

**FOURTH 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

January 2005

Project BNC 103

Conor Pacific

January 30, 2005
Project No. BNC103

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

Re: Fourth 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 fourth 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.

Fourteen of the sixteen on-and off-site single-screen monitoring wells, and three to four zones of all four multi-level monitoring wells were scheduled for sampling during this quarter. With the exception of well MW-6 (blocked by obstructed) and well MS MW01 (free-product), 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 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

650-926-3238 x224

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

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."

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

Nine downgradient wells (MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, D-1, and D-2) were installed during June and July 1999 to define the downgradient and lateral extent of the plume and provide long-term monitoring locations (Figure 2).⁴ Two of the wells, D-1 and D-2, are installed in the semi-confined aquifer below the aquitard. The other wells are installed in the upper water-bearing zone.

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

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

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

Interim Remedial Action at Well MW-5

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

Over the time period monitored, the absorbent socks have removed sufficient product to reduce the free product thickness to a sheen or less. During the four sampling events in 2000, free product was not measured in well MW-5 and sampling was conducted. However, free product was observed during the purging of well MW-5 during the March and June 2001 sampling events, and an absorbent sock was reinstalled in the well and groundwater samples were not collected. During the September 2002 sampling event,

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

the absorbent sock was above the groundwater surface (the lowest water levels measured to date were measured during this sampling event); the sock was subsequently lowered to intersect the water table.

Since September 2002, product sheen continues to be observed in the purge water from well MW-5 even though no product thickness can be measured. The absorbent sock continues to be replaced and installed to intersect the water table.

GROUNDWATER SAMPLING AND ANALYSIS

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

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

Free Product

During this sampling event, Conor Pacific checked for free product in wells (MW-1, MW-2, MW-5 and MS MW01) where product has historically been detected. No measurable free product was observed in these wells during this monitoring event. A thin film (<0.02 feet) of product was observed on the outside of the bailer during purging of well MS MW01. Sheen was also observed during the purging of wells MW-1 and MW-5. Moderate to strong hydrocarbon odor was detected in wells MW-1, MW-2, MW-5 and MW-7. A faint to light hydrocarbon odor was noted in well MW-3 during purging.

Groundwater Elevations

On December 13, 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

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

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equipotential contours on Figure 3. Compared to the previous quarter groundwater level measurements conducted in September 2004, current groundwater elevations are approximately two to four feet higher in almost all wells. Groundwater flow generally is slightly north of west and the hydraulic gradient is approximately 0.013 foot per foot. The flow direction and gradient are in accordance with previous results.

During this quarter, a vertically downward gradient was observed between well MW-11 in the upper water-bearing zone and well D-1 in the semi-confined aquifer. A vertically upward gradient was observed between well MW-12 and well D-2 in the semi-confined aquifer. Normally, a vertically downward gradient is observed between these well pairs. 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.

Sampling Methods

Conor Pacific sampled 12 single-screen monitoring wells on December 13, through December 15, 2004 (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10, MW-12, MW-13, and D-2); zones 1,2,3 in the multi-level monitoring wells CMT-1 and CMT-3; zones 1,2,3 and 4 in CMT-2; and zones 2,3,4 and 5 in CMT-4.

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

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

Field measurements of temperature, pH, dissolved oxygen, turbidity, and electrical conductivity were taken when sufficient water was present; field measured values were recorded on water sample field data sheets (Appendix A). All samples were properly stored (on ice and in coolers) on the day of sampling. Chain-of-custody documentation accompanied the samples through collection and delivery to the analytical laboratory.

Purge water was contained in 55-gallon drums temporarily stored at the B&C site. After the third quarter 2004 groundwater sampling event was completed, a composite sample was collected from the drummed purge water on September 9, 2004 (PW121304). The purge water was discharged into a sewer clean-out line in accordance with City of Livermore Water Resources Division discharge permit no. 1514G (2004-2005). The current discharge permit was renewed on August 12, 2004; for the period of August 2004 through July 2005. The permit allows the discharge of purge water containing less

than 1 milligram per liter (mg/L) of total toxic organics. According to the analytical results, composite purge water sample PW121304 contained a total organic compound concentration of approximately 55 µg/L (0.052 mg/L), well within the current permit conditions.

Analytical Program

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

Four groundwater samples (from MW-2, MW-4, MW-13 and CMT-2 Zone 2) also were analyzed for natural attenuation parameters as part of the ongoing site characterization effort. The attenuation parameters were: dissolved iron, dissolved manganese, alkalinity (total, carbonate, bicarbonate, hydroxide), carbon dioxide, nitrate and nitrite as nitrogen, and sulfate.

Laboratory Quality Control

Laboratory analyses occurred within specified holding times, with the following exceptions:

- The MTBE sample from CMT3-Z1 was originally analyzed within EPA recommended holding time. However, confirmation re-analysis of this sample was performed past the holding time.
- The sample collected from CMT3-Z2 was originally analyzed within EPA recommended holding time, but the QA/QC criterion was outside recommended limits.
- The sample collected from CMT4-Z5 was re-extracted beyond the EPA recommended holding time.

Based on the laboratory QA/QC summaries, all method blanks, laboratory control samples (LCS), matrix spikes (MS), and matrix spike duplicates (MSD) were within laboratory control limits, with the following exceptions.

- The spike recovery for ethylbenzene and toluene was below control limits for MS and MSD. The QC batch was accepted based on LCS and LCSD recoveries within acceptance limits.

- The spike recovery for benzene, MTBE and xylenes was below control limits for MS and MSD due to the analyte concentration at four times or greater than the spike concentration. The QC batch was accepted based on LCS and LCSD recoveries within acceptance limits.
- Surrogate recoveries for TPHg from wells MW-1 and MW-5 were above control limits due to interference from the sample matrix.
- A field pH sample was not provided to the lab for the carbon dioxide analysis, so the laboratory obtained their own pH measurement for use in the carbon dioxide analyses.
- The percent recovery was above the control limit for benzene, ethylbenzene and toluene for one of the laboratory control samples.

No other QA/QC issues were noted during this fourth quarter 2004 monitoring period. Laboratory CARs including notes describing laboratory quality control issues are included at the end of each CAR (Appendix B).

Analytical Results

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

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

During the current sampling event, no hydrocarbons, BTEX or MTBE were detected in upgradient monitoring well MW-4 or 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 and in proximity to the highest on-site hydrocarbon and MTBE concentrations detected, returned significantly lower concentrations. However, the MTBE concentration detected

in well MW-3 during fourth quarter 2004 was the highest ever reported in this well. Wells MW-1 and MW-5 contained generally the highest hydrocarbon concentrations of on-site wells. In general, on-site TPH-G, BTEX and MTBE concentrations have decreased during this most recent sampling event.

Detections in Downgradient Wells

Downgradient of the site, TPH-G, BTEX and MTBE were detected in well MW-7, and MTBE was detected in well MW-13 (Tables 4a). The concentrations detected in the sample from well MW-7 were similar to the previous quarter but 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 zone 2 of the downgradient multi-level wells. Current MTBE values are the lowest reported to date in these wells. Zone 1 in well CMT-3 contained the highest MTBE concentration detected in this well.

The downgradient multi-level wells CMT-1, CMT-2, and CMT-3 help to better define the lateral and vertical extent and direction of the MTBE plume. The MTBE plume appears to be migrating in a direction slightly north of west (approximately N75°W), and not directly toward California Water Supply (CWS) well #8 as was previously thought (CWS well #8 is located approximately N85°W from the site). MTBE continues to be detected at low concentrations in zone 2 of each of the three downgradient multi-level wells. Recent results show MTBE concentrations ranging from 0.57 to 0.71 µg/L in this furthest downgradient area.

SUMMARY

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

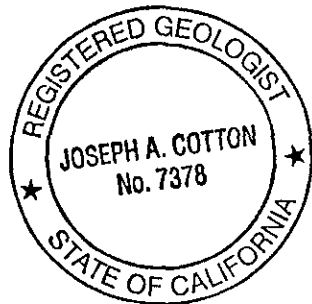
The three multi-level wells installed downgradient of the site help to better define the lateral and vertical extent and the direction of the MTBE plume. The MTBE plume appears to be migrating in a direction approximately N75°W downgradient of the site.

First quarter 2005 groundwater monitoring currently is scheduled for March 14, 2005.

Mr. Balaji Angle
January 30, 2005

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

Sincerely,
Conor Pacific



A handwritten signature in black ink, appearing to read "Joseph A. Cotton".

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

cc:

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

Attachments:

Tables

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

Figures

- Figure 1 - Site Location
- Figure 2 - Site Plan
- Figure 3 - Well Locations and Groundwater Contours (December 2004)
- Figure 4 - Groundwater Chemistry (December 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
 Mult-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									61	59 - 62
	Z3									69	66.8 - 70.7
	Z4									91	89 - 93.3
	Z5									106	104 - 108.4
	Z6									123	120.5 - 125.5
	Z7									145	142 - 147
CMT-2	Z1	Sonic	11-Aug-03	147	144	6.0	CMT	1.7	#2/12	49	46 - 50.5
	Z2									59	57.1 - 60.5
	Z3									68	66 - 70
	Z4									88	86 - 89.9
	Z5									106	104 - 107.5
	Z6									125	123 - 126.5
	Z7									144	142 - 147
CMT-3	Z1	Sonic	13-Aug-03	187	155	6.0	CMT	1.7	#2/16	44	41 - 46
	Z2									55	53 - 58
	Z3									65	61.5 - 67.5
	Z4									88	86 - 90
	Z5									108	104.5 - 110
	Z6									132	128.5 - 134
	Z7									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									38	35.5 - 40
	Z3									52	48.6 - 55
	Z4									62	60 - 65
	Z5									72	69.6 - 73.5
	Z6									107	104 - 110
	Z7									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	A	I	All compounds non detect
CMT-1 Z2				
CMT-1 Z3				
CMT-1 Z4				
CMT-1 Z5				
CMT-1 Z6				
CMT-1 Z7				
CMT-2 Z1	Q	A	I	All compounds non detect
CMT-2 Z2		MNA		
CMT-2 Z3		A		
CMT-2 Z4		A		
CMT-2 Z5				
CMT-2 Z6				
CMT-2 Z7				
CMT-3 Z1	Q	A	I	All compounds non detect
CMT-3 Z2				
CMT-3 Z3		A		
CMT-3 Z4				
CMT-3 Z5				
CMT-3 Z6				
CMT-3 Z7				
CMT-4 Z1		A	I	All compounds non detect
CMT-4 Z2		A		
CMT-4 Z3		A		
CMT-4 Z4		A		
CMT-4 Z5		A		
CMT-4 Z6				
CMT-4 Z7				

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 - Fourth Quarter 2004
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	December 13, 2004		Product Thickness (feet)
			Groundwater Elevation (feet, MSL)	Depth to Free product (feet, TOC)	
MW-1 *	483.68	34.12	449.56	NM	NM
MW-2	483.86	34.29	449.57	NM	NM
MW-3	484.24	33.44	450.80	NM	NM
MW-4	485.04	34.14	450.90	NM	NM
MW-5	481.97	34.23	447.74	NM	NM
MW-6	483.93	NM	NM	NM	NM
MW-7	478.14	33.90	444.24	NM	NM
MW-8	473.23	39.43	433.80	NM	NM
MW-9	477.08	35.76	441.32	NM	NM
MW-10	471.42	39.84	431.58	NM	NM
MW-11	464.93	35.88	429.05	NM	NM
MW-12	458.34	30.39	427.95	NM	NM
MW-13	474.79	35.53	439.26	NM	NM
D-1	464.70	35.82	428.88	NM	NM
D-2	457.61	28.96	428.65	NM	NM
(MS)MW-1	477.79	37.83	439.96	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.

* 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 - Fourth Quarter 2004
B & C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	December 13, 2004		Product Thickness (feet)
				Groundwater Elevation (feet, MSL)	Depth to Free product (feet, TOC)	
CMT-1	Z1	469.51	41.18	428.33	NM	NM
	Z2		41.60	427.91	NM	NM
	Z3		41.64	427.87	NM	NM
	Z4		39.77	429.74	NM	NM
	Z5		39.70	429.81	NM	NM
	Z6		39.82	429.69	NM	NM
	Z7		41.13	428.38	NM	NM
CMT-2	Z1	470.14	40.68	429.46	NM	NM
	Z2		41.46	428.68	NM	NM
	Z3		41.50	428.64	NM	NM
	Z4		40.14	430.00	NM	NM
	Z5		40.07	430.07	NM	NM
	Z6		40.16	429.98	NM	NM
	Z7		40.33	429.81	NM	NM
CMT-3	Z1	473.44	40.60	Dry	NM	NM
	Z2		40.63	432.81	NM	NM
	Z3		41.71	431.73	NM	NM
	Z4		42.43	431.01	NM	NM
	Z5		42.60	430.84	NM	NM
	Z6		42.68	430.76	NM	NM
	Z7		42.68	430.76	NM	NM
CMT-4	Z1	483.38	25.54	Dry	Dry	Dry
	Z2		33.74	449.64	NM	NM
	Z3		33.49	449.89	NM	NM
	Z4		33.52	449.86	NM	NM
	Z5		33.52	456.27	NM	NM
	Z6		38.44	444.94	NM	NM
	Z7		39.69	443.69	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

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

Well No.	Sample Date	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes (total)	Methyl tert-butyl ether	Tert-amyl methyl ether
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	12/13/2004	9,600	11	<10	36	190	<10	<10
MW-2	12/13/2004	3,100	120	19	160	120	23	<10
MW-3	12/13/2004	180	5.4	<5.0	<5.0	<5.0	79	<5.0
MW-4	12/13/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-5	12/13/2004	9,600	830	64	1,100	190	280	<50
MW-6	NA	NS	NS	NS	NS	NS	NS	NS
MW-7	12/14/2004	2,500	23	1.8	43	1.4	37	<0.50
MW-8	12/13/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-9	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-10	12/13/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-11	NA	NS	NS	NS	NS	NS	NS	NS
MW-12	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-13	12/13/2004	<50	<0.50	<0.50	<0.50	<0.50	13	<0.50
D-2	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
8K2	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Notes:

µg/L = micrograms per liter

TPH-G = total petroleum hydrocarbons as gasoline

< = less than the laboratory reporting limit

NA = Not applicable

NS = Not sampled during fourth quarter 2004 sampling event

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

Well No.	Zone No.	Sample Date	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes (total)	Methyl tert-butyl ether	Tert-amyl methyl ether	Comment
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
CMT-1	Z1	12/13/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	Z2	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	0.71	<0.50	
	Z3	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
CMT-2	Z1	12/15/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	Z2	12/15/2004	<50	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	
	Z3	12/15/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	Z4	12/15/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
CMT-3	Z1	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	72	<0.50	HT-RA
	Z2	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	0.67	<0.50	
	Z2	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	HT-RQ
	Z3	12/15/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
CMT-4	Z2	12/15/2004	12,000	2,900	660	140	420	4100	<50	
	Z3	12/14/2004	320	62	26	3.1	9.1	6.4	<1	
	Z4	12/14/2004	120	29	13	1.3	4.7	4.2	<0.50	
	Z5	12/14/2004	74	160	230	66	310	100 (E)	<0.50	
	Z5	12/14/2004	74 (E)	<2.5 (E)	4.4 (E)	3 (E)	26 (E)	150 (E)	<0.50 (E)	HT-RE

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

HT-RA= This sample was originally analyzed within EPA recommended holding time.

Re-analysis for confirmation or dilution was performed past the recommended holding time.

HT-RQ= This sample was originally analyzed within EPA recommended holding time, but QA/QC criteria was outside limits.

Re-analysis was performed past the recommended holding time.

HT-RE This sample was re-extracted beyond the EPA recommended holding time.

E- The concentration indicated for this analyte is an estimate value above the calibration range of the instrument

Table 4c
 Natural Attenuation Parameters - Fourth Quarter 2004
 B&C Gas Mini Mart
 Livermore, California

Well No.	Zone No.	Sample Date	Dissolved Iron	Dissolved Manganese	Alkalinity (total)		Alkalinity (carbonate)	Alkalinity (bicarbonate)	Alkalinity (hydroxide)	Carbon dioxide	Nitrate as N	Sulfate as SO ₄
			(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-2	NA	12/13/2004	<300	620	380	<20	380	<20	56 (A-01)	1.1	48	
MW-4	NA	12/13/2004	<300	<10	330	<20	330	<20	34 (A-01)	7.3	65	
MW-13	NA	12/13/2004	<300	<10	360	<20	360	<20	55 (A-01)	0.89	46	
CMT-2	Z2	12/15/2004	<100	110	350	<20	350	<20	16	4.1	57	

Notes:

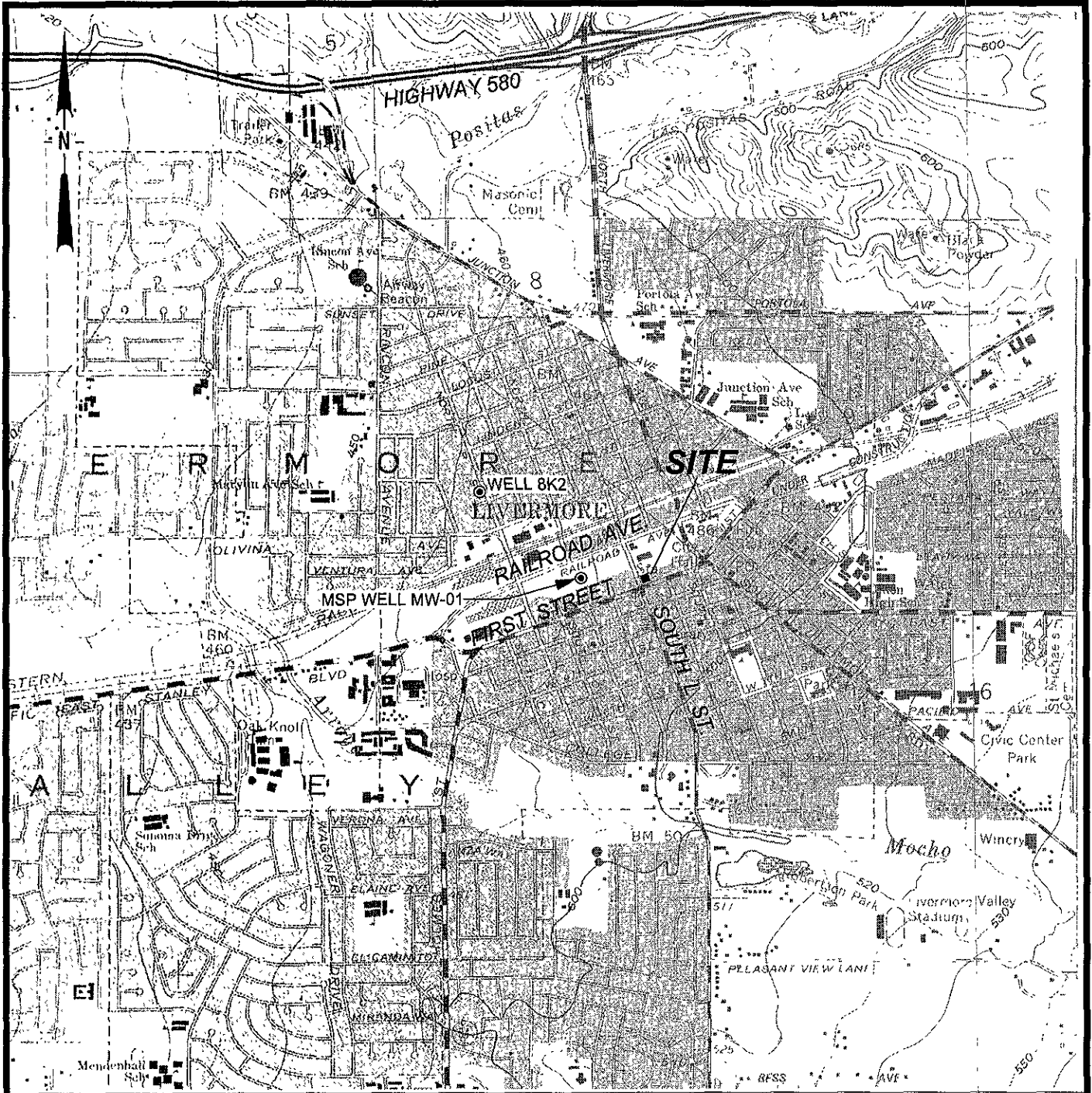
µg/L = micrograms per liter

mg/L = milligrams per liter

< = less than the laboratory reporting limit

CMT = continuous multi-channel tubing

A-01= Since no pH was provided, the lab pH was used.



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

SCALE: 0 2,000 4,000 FEET



I:\BNC\103\FIGURES\SITELC.DSF 1/14/03

Conor Pacific



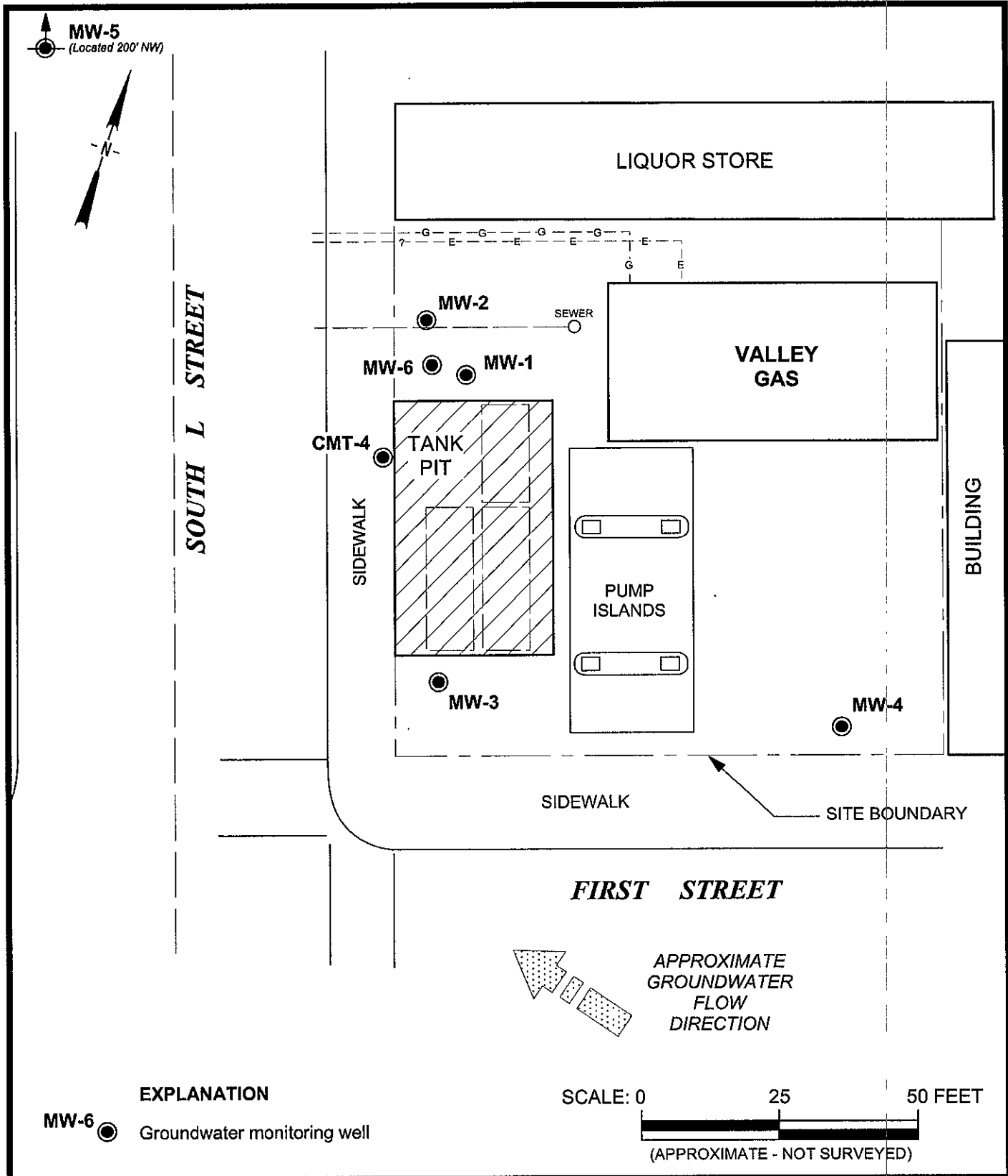
GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA


SITE LOCATION MAP

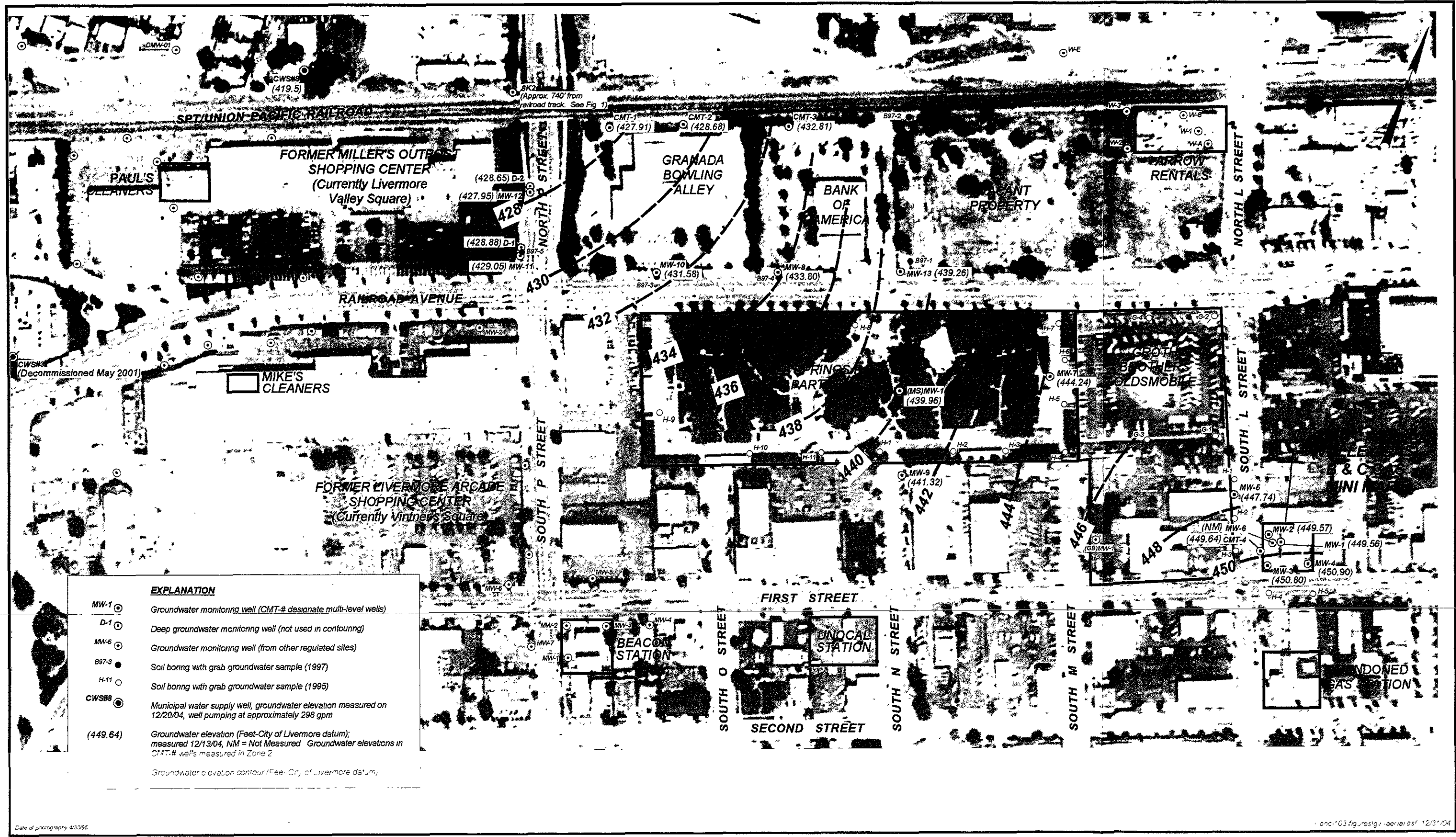
FIGURE

1

PROJECT NO.
BNC103



<p>Conor Pacific</p> 	<p>GROUNDWATER MONITORING B & C GAS MINI MART LIVERMORE, CALIFORNIA</p> <p>SITE PLAN</p>	<p>FIGURE 2 PROJECT NO. BNC103</p>
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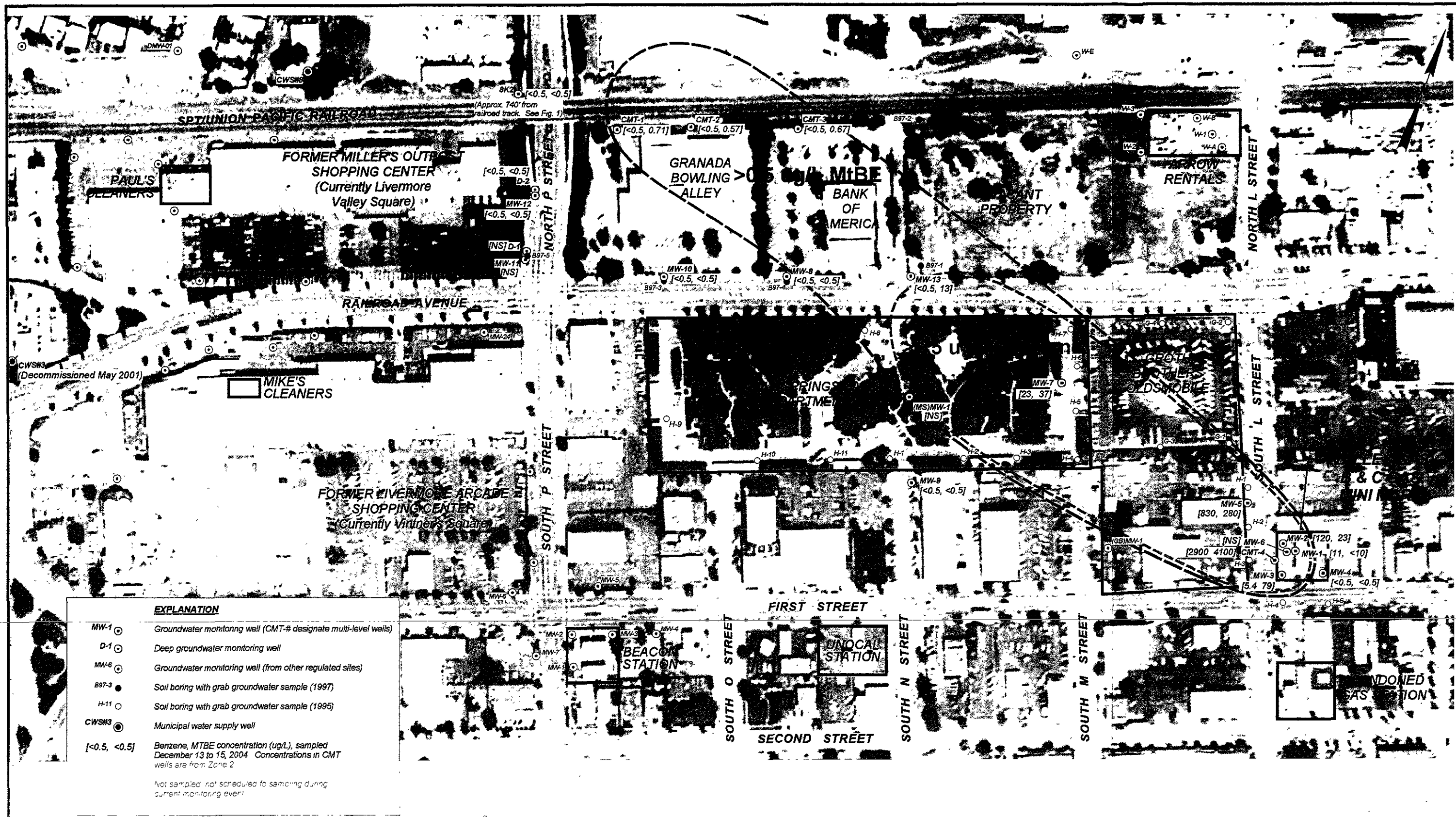
Date of photography 4/3/96

bnc103.fig.res/gis/serial/051 12/31/04



GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA
WELL LOCATIONS AND GROUNDWATER CONTOURS (DECEMBER 2004)

FIGURE
3
PROJECT NO
BNC103



EXPLANATION

- MW-1 (C) Groundwater monitoring well (CMT-# designate multi-level wells)
- D-1 (C) Deep groundwater monitoring well
- MW-6 (C) Groundwater monitoring well (from other regulated sites)
- B97-3 (●) Soil boring with grab groundwater sample (1997)
- H-11 (○) Soil boring with grab groundwater sample (1995)
- CWSK3 (C) Municipal water supply well
- [<0.5, <0.5] Benzene, MTBE concentration (ug/L), sampled December 13 to 15, 2004. Concentrations in CMT wells are from Zone 2
- Not sampled; not scheduled for sampling during current monitoring event

Date of photography 4/20/95

\\bnc103\figures\chem-aerial\asf_12205



GROUNDWATER MONITORING
 B & C GAS MINI MART
 LIVERMORE CALIFORNIA
 GROUNDWATER CHEMISTRY (DECEMBER 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): 12/13/04

Name: C. mini

Weather: SUNNY

Sounder #: SLOPE: 16071, KECK: 1381

Well	Date	Time	DTW (TOC)	Total Depth	Meas By	Comments
MW-1	12/13/04	1050	34.12	74.7	CM	KECK. NO PRODUCT MEASURED.
MW-2		1048	34.24	56.0		KECK ✓
MW-3		1054	33.44	57.7		SLOPE
MW-4		1100	34.14	59.9		SLOPE.
MW-5		1303	34.23	39.6		
MW-6		1052	NM	NM		KECK. CONDUCTED AT 28.57' Ⓣ
MW-7		1207	33.90	49.1		
MW-8		1120	39.43	52.9		
MW-9		1233	35.76	44.0		
MW-10		1125	39.84	53.5		
MW-11		1136	35.88	48.6		
MW-12		1146	30.59	43.2		
MW-13		1112	35.53	54.2		
D-1	1141	35.82	123.8			
D-2	1155	28.96	110.4			
MS MW01	1211	37.83	61.2		KECK. NO PRODUCT MEASURED.	
CMT1-Z1	1425	41.18	NM			
CMT1-Z2	1426	41.60				
CMT1-Z3	1427	41.64				
CMT1-Z4	1428	39.77				
CMT1-Z5	1430	39.70				
CMT1-Z6	1432	39.82				
CMT1-Z7	1433	41.13				
CMT2-Z1	1403	40.68				
CMT2-Z2	1404	41.46				
CMT2-Z3	1405	41.50				
CMT2-Z4	1412	40.14				
CMT2-Z5	1408	40.07				
CMT2-Z6	1410	40.16				
CMT2-Z7	1414	40.33				
CMT3-Z1	1349	40.60				
CMT3-Z2	1350	40.63				
CMT3-Z3	1352	41.71				
CMT3-Z4	1353	42.43				
CMT3-Z5	1354	42.60				
CMT3-Z6	1355	42.68				
CMT3-Z7	1358	42.68				
CMT4-Z1	1336	25.54			WELL DRY	
CMT4-Z2	1338	33.74				
CMT4-Z3	1339	33.49				
CMT4-Z4	1340	33.52				
CMT4-Z5	1341	33.52				
CMT4-Z6	1342	38.44				
CMT4-Z7	1343	39.69				

WATER SAMPLING AND ANALYSIS REQUEST

Project Name: B & C Gas Mini Mart, Livermore* *Rec'd for 12/15/04 in Am. include MW-3, 4, 13.*

Scheduled Date(s): December 13-17, 2004

Project Authorization: J Cotton
 Project No.: **BNC103**
 Task: 19
 Results To: J Cotton

Keys/Combos: 0909

Site Contact: Balaji Angle
 Phone Number: 510 654 3461

Special Instructions/Considerations:

4th quarter/annual groundwater sampling event.
 Complete water level/floating product survey prior to sampling.
 1 casing volume purge for all conventional wells
Discharge purge water to sanitary sewer: see email and discharge permit.
 Need traffic control for MW-5, and sidewalk control for D-1 and D-2.
 MW-5: has contained floating product recently; if present, do not sample.
 Replace product recovery sock in MW-5 if product present
 MS MW01 is located in Mills Springs Park Apartments.
 If product appears during purge, discontinue purging and note on field sheet.
 Install soak-ease cage/sock in MS MW01 if measureable product present

Well or Source	Casing Diameter (inches)	Casing Length (feet)	Depth To Water (feet)	ANALYSES REQUESTED
			(9/7/04)	
PS MW-1S	2.0	74.6	36.53	For All Points: TPH gas \leq 40 ml UGA / HCL BTEX by EPA 8260 MTBE by EPA 8260 } \leq 40 ml UGA / HCL TAME by EPA 8260 *Field Measurements Field Measurements = Temp pH EC Turbidity DO Alkalinity, Total NP Carbon Dioxide NP **Iron) DE KNO ₃ FILTERED? **Manganese) Nitrate-N NP *ORP (field measurement) Sulfate NP Inactive only
PS MW-2S	4.0	55.9	33.87	
PS MW-3S	4.0	57.8	35.83	
PS MW-4S	4.0	60.1	36.51	
PS MW-5C	4.0	39.6	35.83	
*NS MW-6NS	4.0	obstructed at 28.6		
PS MW-7	2.0	49.2	36.77	
PS MW-8S	2.0	52.9	42.92	
PS MW-9	2.0	44.1	38.82	
PS MW-10S	2.0	53.6	43.43	
PS MW-12	2.0	43.2	34.56	
PS MW-13S	2.0	54.2	38.75	
PS D-2	2.0	110.8	35.42	
*NS MS MW01	2.0	61.1	40.92	
PS 8K200	2.5	75.0	34.28	

PS 8K200
 D-19K
 3W
 PW 121804 NA NA present

EPA 601/602
 MTBE
*Completed 12/15/04
 C. Miller
 S. Giacomini*
 NEED KEY FROM COUNTY TO ACCESS WELL, DOES COUNTY WANT UGA'S FOR OWN ANALYSIS?
 CONTACT AGENS PRIOR TO SAMPLING?

Laboratory and Laboratory QC Instructions:

Sequoia Analytical - Petaluma, project manager. Mark Shipman: 707 792 7518
 Provide EDF.
 Add the LOCID (well ID) to the EDF sent to the State.

WATER SAMPLING AND ANALYSIS REQUEST

Project Name: **B & C Gas Mini Mart, Livermore**

Project Authorization: **J Cotton**
 Project No.: **BNC103**
 Task: **19**
 Results To: **J Cotton**

Scheduled Date(s): **December 13-17, 2004**

Special Instructions/Considerations:

4th quarter/annual groundwater sampling event.
 Complete water level/floating product survey prior to sampling.
 2 casing volume purge for all CMT wells.
Discharge purge water to sanitary sewer: see email and discharge permit.
 Collect grab samples from CMT1-Z1, CMT3-Z1 and hold. Submit grab samples if wells dry during purge and do not recover.
 Use dedicated tubing for purging and sampling.
 Use tubing lengths that insure that intakes are in ported intervals.

Add CMT4-Z2

Keys/Combos: **0909**

Site Contact: **Balaji Angle**
 Phone Number: **510 654 3461**

Well or Source	Casing Diameter (inches)	Casing Length (feet)	Depth To Water (feet)	ANALYSES REQUESTED
			(9/7/04)	For All Points:
PS CMT1-Z1 ✓	CMT	45.6	45.29	TPH gas
PS CMT1-Z2 ✓	CMT	60.6	45.89	BTEX by EPA 8260
PS CMT1-Z3 ✓	CMT	68.6	45.83	MTBE by EPA 8260
				TAME by EPA 8260
PS CMT2-Z1 ✓	CMT	48.9	44.88	*Field Measurements
PS CMT2-Z2 ✓	CMT	58.9	45.64	
PS CMT2-Z3 ✓	CMT	68.0	45.68	
PS CMT2-Z4 ✓	CMT	88.0	45.49	
PS CMT3-Z1 DRUG ✓	CMT	44.0	dry	
PS CMT3-Z2 ✓	CMT	55.0	44.58	
PS CMT3-Z3 ✓	CMT	65.0	45.75	
PS CMT4-Z1 ✓	CMT	25.6	dry	
PS CMT4-Z2 ✓	CMT	37.7	35.94	
PS CMT4-Z3 ✓	CMT	51.7	33.88	
PS CMT4-Z4 ✓	CMT	61.7	36.00	
PS CMT4-Z5 ✓	CMT	71.8	35.99	

Field Measurements= Temp
 pH
 EC
 Turbidity
 DO

For CMT2-Z2 add:
 Alkalinity, Total
 Carbon Dioxide
 **Iron
 **Manganese
 Nitrate-N
 *ORP (field measurement)
 Sulfate

*REPLACE TUBING WITH RUDF TUBING
 NEED TO VERIFY TUBING LENGTH!*

Completed 12/15/04 CM

Laboratory and Laboratory QC Instructions:

Sequoia Analytical - Petaluma, project manager: Mark Shipman: 707 792 7518
 Provide EDF.
 Add the LOCID (well ID) to the EDF sent to the State.



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS mini. Mart SAMPLE ID: MW-1
 PROJECT NO: BAL 103 SAMPLED BY: S. G. Acem. V.
 CLIENT: B-N-C GAS mini. Mart REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): 74.7 Volume in Casing (gal): 6.9
 Depth to Water (ft): 34.12 Calculated Purge (volumes / gal.): 6.9
 Height of Water Column (ft): 40.58 Actual Pre-Sampling Purge (gal): 7.0

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump 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
1:33	2.5	18.9	1050	7.14	grey/brown	moderate	moderate	strong brown particulate
1:40	5.0	19.6	1090	7.17	↓	↓	↓	↓
1:47	7.0	19.8	1110	7.21	↓	↓	↓	↓

Purge Date: 12/13/04

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 Other

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1:55	19.7	1110	7.24	1.77	grey/brown	6.2	

Sheen: Slight Odor: Strong Sample Date: 12/13/04

Field Measurement Devices: Horiba 45 Omega QuickCheck D.O. Test Kit

REMARKS: 1 casing volume purge
145 Combinations = 12/13/04 @ 10:35: pH = 7.05, 10.15, 12.0, 20.60; TURB = 0; DO = 4.10; Temp = 11.9°C

SIGNATURE: [Signature] DATE: 12/13/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MINT SAMPLE ID: MW-3
 PROJECT NO: BNC103 SAMPLED BY: S. GIACOMINI
 CLIENT: B-N-C GAS MINI MINT REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): 57.7 Volume in Casing (gal): 16.1
 Depth to Water (ft): 33.44 Calculated Purge (volumes / gal.): 16.1
 Height of Water Column (ft): 24.26 Actual Pre-Sampling Purge (gal): 16.5

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer 1.5" x 2
 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
1301	5.5	19.8	1020	6.93	lt. Brown	low	Slight color	Brown flecking particles
1310	11.0	20.0	1060	7.19	↓	↓	↓	↓
1316	16.5	19.8	1070	7.22	↓	↓	light color	↓

Purge Date: 12/13/09

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer SS-1
 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
1321	19.5	1060	7.26	1.52	lt. Brown	256	Dark red floating particles

Sheen: None Odor: light Sample Date: 12/13/09

Field Measurement Devices: Horiba 45 Omega QuickCheck D.O. Test Kit

REMARKS: 1 CASING VOLUME PURGE

SIGNATURE: SG

DATE: 12/13/09



WATER SAMPLE FIELD DAT.

LOCATION: BNC GAS MINI MART SAMPLE ID: MW-5
 PROJECT NO: BNC103 SAMPLED BY: C. Min
 CLIENT: BNC GAS MINI MART REGULATORY AGENCY: ACEHC
 SAMPLE TYPE: Groundwater 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) Other
 Well Total Depth (ft): 39.6 Volume in Casing (gal): 3.6
 Depth to Water (ft): 34.23 Calculated Purge (volumes / gal.): 3.6
 Height of Water Column (ft): 5.37 Actual Pre-Sampling Purge (gal): 3.75

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: TOXIMATED
 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
1306	1.25	19.8	1050	6.94	LT. GREY	LOW	LT. SWEET	MODERATE ODOR
1310	2.5	20.3	1060	6.97	↓	↓	↓	↓
1313	3.75	20.4	1070	6.97	↓	↓	↓	↓

Purge Date: 12/13/04

SAMPLE:
 Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer 36'
 PVC Hand Pump Peristaltic Pump Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated Other

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1313	19.8	1080	7.00	0.83	GREEN	59	

Sheen: FRINT GREEN Odor: MODERATE Sample Date: 12/13/04

Field Measurement Devices: Horiba H4 Omega QuickCheck D.O. Test Kit
 REMARKS: 1 CASING VOLUME PURGE, NO MEASURABLE PRODUCT, 7 SAMPLES COLLECTED

CALIBRATION ON 12/10/04 AT 1237. DO: AUTO; PH: 7.03, 10.09; TEMP: 16°C, COND 0, 2000; TURB. 0;

SIGNATURE: Cheryl Min DATE: 12/13/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: MW-7
 PROJECT NO: BNC103 SAMPLED BY: S. Giacomini
 CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): 49.1 Volume in Casing (gal): 2.6
 Depth to Water (ft): 33.90 Calculated Purge (volumes / gal.): 2.6
 Height of Water Column (ft): 15.20 Actual Pre-Sampling Purge (gal): 30

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: 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
1254	1.0	18.9	950	7.07	grey/brown	moderate	moderate odor	Dark Fluffy particulate
1257	2.0	19.2	960	7.08	↓	↓	↓	Slight Sheen
1300	3.0	19.3	966	7.11	↓	↓	↓	↓

Purge Date: 12/14/07

SAMPLE:

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

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1305	19.8	950	7.15	1.52	grey/brown	502	
Sheen: <u>Slight</u>		Odor: <u>moderate/spring</u>		Sample Date: <u>12/14/07</u>			

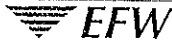
Field Measurement Devices: Horiba HS Omega QuickCheck D.O. Test Kit

REMARKS: Leaking Volume Purge

SIGNATURE: [Signature] DATE: 12/14/07

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Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: MW-12
 PROJECT NO: BNC103 SAMPLED BY: S. Giacomini
 CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY: ACEAS
 SAMPLE TYPE: Groundwater 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): 43.2 Volume in Casing (gal): 2.2
 Depth to Water (ft): 30.39 Calculated Purge (volumes / gal.): 2.2
 Height of Water Column (ft): 12.81 Actual Pre-Sampling Purge (gal): 2.25

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: 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
<u>1205</u>	<u>0.75</u>	<u>19.2</u>	<u>950</u>	<u>6.97</u>	<u>lt. grey/brown moderate</u>			
<u>1211</u>	<u>1.5</u>	<u>19.7</u>	<u>960</u>	<u>6.97</u>	<u>lt. brown</u>			
<u>1213</u>	<u>2.25</u>	<u>19.8</u>	<u>960</u>	<u>6.98</u>	<u>b</u>	<u>b</u>		

Purge Date: 12/14/09

SAMPLE:

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

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>1218</u>	<u>19.0</u>	<u>988</u>	<u>7.01</u>	<u>4.22</u>	<u>lt. brown</u>	<u>4/3</u>	

Sheen: none Odor: none Sample Date: 12/14/09

Field Measurement Devices: Horiba 145 Omega QuickCheck D.O. Test Kit

REMARKS: 1 casing volume purge

SIGNATURE: [Signature]

DATE: 12/14/09

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT1-31
 PROJECT NO: BNC103 SAMPLED BY: C. Min
 CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): <u>45.5</u>	Volume in Casing (gal): <u>173</u>
Depth to Water (ft): <u>41.18</u>	Calculated Purge (volumes/gal): <u>346</u>
Height of Water Column (ft): <u>4.32</u>	Actual Pre-Sampling Purge (gal): <u>525</u>

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 1/4" FEP
 Purge Water Containment: DRUMMED INERTIAL LIFT
 Field QC Samples Collected at this Well (Equipment or Field Blank): EB- FB- Other 45'

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	DTN Other	Observation
<u>1523</u>	<u>175</u>	<u>17.7</u>	<u>1260</u>	<u>7.26</u>	<u>LT. BROWN</u>	<u>MODERATE</u>		
<u>1525</u>	<u>350</u>	<u>18.3</u>	<u>1260</u>	<u>7.21</u>	<u>↓</u>	<u>↓</u>		
<u>1529</u>	<u>525</u>	<u>18.2</u>	<u>1230</u>	<u>7.22</u>	<u>↓</u>	<u>↓</u>		

Purge Date: 12/13/07

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 1/4" FEP
INERTIAL LIFT

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>1536</u>	<u>17.9</u>	<u>1240</u>	<u>7.21</u>	<u>5.84</u>	<u>LT. BROWN</u>	<u>193</u>	<u>WELL</u> <u>DRM</u>

Sheen: NONE Odor: NONE Sample Date: 12/13/07

Field Measurement Devices: Horiba M4 Omega QuickCheck D.O. Test Kit

REMARKS: 2 1/2" 4 in/ft. 2 CASING VOLUME PURGE. COLLECTED GROUND SAMPLE AT START OF PURGE IN CASE WELL DOESN'T RECHARGE BY 12/16/07. SAMPLE COLLECTED AT 1511.0 COLLECTED ENOUGH VOLUME FOR WATER QUALITY METER TO MAKE MEASUREMENTS

SIGNATURE: Charles Min DATE: 12/13/07

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI WARE SAMPLE ID: CMT 1-22
 PROJECT NO: BNC103 SAMPLED BY: C. Min
 CLIENT: B-N-C GAS MINI WARE REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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):	<u>60.6</u>	Volume in Casing (gal):	<u>757</u>
Depth to Water (ft):	<u>41.69</u>	Calculated Purge (volumes):	<u>1513</u>
Height of Water Column (ft):	<u>18.91</u>	Actual Pre-Sampling Purge (gal):	<u>1520</u>

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 59' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" HDPE 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)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
<u>1126</u>	<u>760</u>	<u>17.6</u>	<u>1080</u>	<u>7.71</u>	<u>GREY</u>	<u>HIGH</u>		
<u>1135</u>	<u>1140</u>	<u>16.7</u>	<u>1090</u>	<u>7.58</u>	<u>BROWN LT. GREY</u>	<u>↓</u>		
<u>1145</u>	<u>1520</u>	<u>16.3</u>	<u>1090</u>	<u>7.64</u>	<u>↓</u>	<u>↓</u>		

Purge Date: 12/14/04

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 1/4" HDPE Other INERTIAL LIFT
59'

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>1149</u>	<u>16.1</u>	<u>1070</u>	<u>7.63</u>	<u>3.70</u>	<u>LT. BROWN</u>	<u>554</u>	
Sheen: <u>NONE</u>		Odor: <u>SLIGHT</u>		Sample Date: <u>12/14/04</u>			

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

REMARKS: 40ml/A. 2 CASING VOLUME PURGE.

SIGNATURE: Charles Min DATE: 12/14/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT2-21
 PROJECT NO: BNC 103 SAMPLED BY: C. Min
 CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): <u>49.1</u>	Volume in Casing (gal): <u>339</u>
Depth to Water (ft): <u>or 41.50 40.65</u>	Calculated Purge (volumes): <u>677</u>
Height of Water Column (ft): <u>8.45</u>	Actual Pre-Sampling Purge (gal): <u>680</u>

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 48' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" LDPE Other INERTIAL LIFT
 Purge Water Containment: DRUMMED 248'
 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
<u>1317</u>	<u>340</u>	<u>17.9</u>	<u>1060</u>	<u>7.32</u>	<u>BROWN</u>	<u>VERY HIGH</u>		
<u>1320</u>	<u>510</u>	<u>17.7</u>	<u>1040</u>	<u>7.28</u>	<u>↓</u>	<u>HIGH</u>		
<u>1322</u>	<u>680</u>	<u>17.6</u>	<u>1020</u>	<u>7.29</u>	<u>↓</u>	<u>↓</u>		

Purge Date: 12/15/04

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 48' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" LDPE Other INERTIAL LIFT

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>1327</u>	<u>17.4</u>	<u>1020</u>	<u>7.29</u>	<u>3.49</u>	<u>LT. BROWN</u>	<u>> 999</u>	
Sheen: <u>NONE</u>		Odor: <u>SUBT</u>		Sample Date: <u>12/15/04</u>			

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

REMARKS: 4ml/ft. 2 CASING VOLUME PURGE.

SIGNATURE: Chival Min

DATE: 12/15/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT3-23
 PROJECT NO: BSC103 SAMPLED BY: A. Min
 CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): <u>64.7</u>	Volume in Casing (gal): <u>921</u>
Depth to Water (ft): <u>41.70</u>	Calculated Purge (volumes <u>gal</u>): <u>1841</u>
Height of Water Column (ft): <u>23.00</u>	Actual Pre-Sampling Purge (gal): <u>1845</u>

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 64' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" HDPE Other INTERNAL LIFT
 Purge Water Containment: DECONTAMINATED
 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
<u>1401</u>	<u>925</u>	<u>20.1</u>	<u>970</u>	<u>7.50</u>	<u>LT. BROWN</u>	<u>HIGH</u>		
<u>1405</u>	<u>1390</u>	<u>20.1</u>	<u>980</u>	<u>7.41</u>	<u>↓</u>	<u>↓</u>		
<u>1409</u>	<u>1845</u>	<u>20.1</u>	<u>990</u>	<u>7.42</u>	<u>↓</u>	<u>↓</u>		

Purge Date: 12/15/04

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 64' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" HDPE Other INTERNAL LIFT
 @ 64'

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>1412</u>	<u>18.8</u>	<u>990</u>	<u>7.50</u>	<u>4.34</u>	<u>LT. BROWN</u>	<u>>999</u>	

Sheen: NONE Odor: NONE Sample Date: 12/15/04

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

REMARKS: 4ml / ft. 2 CASING VOLUME PURGE.

SIGNATURE: Chuo Min DATE: 12/15/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI WARE SAMPLE ID: CMT4-Z1
 PROJECT NO: BNCID3 SAMPLED BY: C. Min
 CLIENT: B-N-C GAS MINI WARE REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): <u>CM 3T. 25.9</u>	Volume in Casing (gal): _____
Depth to Water (ft): <u>25.54</u>	Calculated Purge (volumes / gal.): _____
Height of Water Column (ft): <u>0.36</u>	Actual Pre-Sampling Purge (gal): _____

PURGE:

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

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

Purge Date: _____

SAMPLE:

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

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

Sheen: _____ Odor: _____ Sample Date: _____

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

REMARKS: WELL DRY. NO SAMPLES COLLECTED

SIGNATURE: Cheryl Min DATE: 12/14/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT4-Z3
 PROJECT NO: AN0103 SAMPLED BY: C. Munn
 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 cm
 GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): <u>51.8</u>	Volume in Casing (gal): <u>729</u>
Depth to Water (ft): <u>33.58</u>	Calculated Purge (volumes / gal): <u>1458</u>
Height of Water Column (ft): <u>18.22</u>	Actual Pre-Sampling Purge (gal): <u>1460</u>

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer _____ Teflon Bailer _____ PVC Bailer _____ Disp. Bailer _____
 PVC Hand Pump _____ Peristaltic Pump 51' Centrifugal Pump _____ Bladder Pump _____
 Pneumatic Displacement Pump _____ Electric Submersible Pump _____ Dedicated 1/4" LDPE @ 51' 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)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
<u>832</u>	<u>750</u>	<u>17.4</u>	<u>1010</u>	<u>7.27</u>	<u>LT. BROWN</u>	<u>HIGH</u>	<u>MODERATE ODR</u>	
<u>836</u>	<u>1095</u>	<u>18.2</u>	<u>980</u>	<u>7.41</u>	<u>LT. BROWN</u>	<u>↓</u>	<u>↓</u>	
<u>840</u>	<u>1460</u>	<u>18.3</u>	<u>1000</u>	<u>7.45</u>	<u>↓</u>	<u>↓</u>	<u>FAINT ODR</u>	

Purge Date: 12/14/04

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer _____ Teflon Bailer _____ PVC Bailer _____ Disp. Bailer _____
 PVC Hand Pump _____ Peristaltic Pump 51' Centrifugal Pump _____ Bladder Pump _____
 Pneumatic Displacement Pump _____ Electric Submersible Pump _____ Dedicated 1/4" LDPE @ 51' Other INERTIAL LIFT

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>844</u>	<u>18.1</u>	<u>1010</u>	<u>7.48</u>	<u>3.15</u>	<u>LT. BROWN</u>	<u>211</u>	
Sheen: <u>NONE</u>		Odor: <u>FAINT</u>		Sample Date: <u>12/14/04</u>			

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

REMARKS: Adm/Ht. 2 CASING VOLUME PURGE.

SIGNATURE: Chris Munn DATE: 12/14/04

Conor Pacific



WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT 4-24
 PROJECT NO: BAC103 SAMPLED BY: C. Mini
 CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY: ACEHS
 SAMPLE TYPE: Groundwater 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): <u>61.8</u>	Volume in Casing (gal): <u>1127</u>
Depth to Water (ft): <u>33.64</u>	Calculated Purge (volumes <u>MGAL</u>): <u>2253</u>
Height of Water Column (ft): <u>28.16</u>	Actual Pre-Sampling Purge (gal): <u>2260</u>

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 60' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" LDPE Other INERTIAL
 Purge Water Containment: DUMMED @ 50-60 LIFT
 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
<u>911</u>	<u>1130</u>	<u>17.7</u>	<u>1030</u>	<u>7.63</u>	<u>LT. BROWN</u>	<u>HIGH</u>	<u>SLIGHT ODR</u>	
<u>919</u>	<u>1695</u>	<u>17.2</u>	<u>1090</u>	<u>7.55</u>	<u>↓</u>	<u>↓</u>		
<u>924</u>	<u>2260</u>	<u>18.1</u>	<u>1060</u>	<u>7.50</u>	<u>↓</u>	<u>↓</u>		

Purge Date: 12/14/04

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer Teflon Bailer PVC Bailer Disp. Bailer
 PVC Hand Pump Peristaltic Pump 60' Centrifugal Pump Bladder Pump
 Pneumatic Displacement Pump Electric Submersible Pump Dedicated 1/4" LDPE Other INERTIAL
 @ 50-60 LIFT

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
<u>920</u>	<u>17.3</u>	<u>1060</u>	<u>7.51</u>	<u>3.52</u>	<u>LT. BROWN</u>	<u>170</u>	

Sheen: NONE Odor: NONE Sample Date: 12/14/04

Field Measurement Devices: Horiba 114 Omega QuickCheck D.O. Test Kit

REMARKS: 40ml / 1L 2 CASING VOLUME PURGE. LDPE TUBING DIFFICULT TO PUSH TO BOTTOM OF WELL. TUBING LETS STUCK AROUND ~56' THEN BENDS.

SIGNATURE: _____

Charles Mini
29 of 31

DATE: 12/14/04

Conor Pacific



CHAIN OF CUSTODY

Page 1 of 1
Quotation No.

PROJECT NO.: <u>EP12103</u>		SITE NAME: <u>3N-C GAS PILLI MAR 21</u>		ANALYSES <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> EDD required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </div>											
SAMPLER(S): <u>C. MUIR</u> <small>(printed)</small> <u>S. GIACOMINI</u> <small>(signature)</small>		<u>C. MUIR</u> <small>(signature)</small>													
CONTRACT LABORATORY: <u>SEQUOIA - PETA-LUNA</u>				Container Info		TPA - GAS BEST METHOD TIME BY EPA 5-60 APPROX. 100 HOURS DURING 3-4-04 FOR MW									
TURN-AROUND TIME: <u>STANDARD</u>															
Sample I.D.	Lab I.D.	Collection		Matrix	Depth	Type/Vol.				Filter	Preserv.	Cont. Qty.	Remarks		
		Date	Time			JCA HCl	NOA HCl	DDO	LSO						
MW-1		12/3/04	1155	WATER		3	3					6	FRANKLIN EDF		
MW-2			1228			3	3	1	1			6			
MW-3			1321			3	3					6	ADD THE LOC ID		
MW-4			1407			3	3	1	1			8	(NEW ID) TO THE		
MW-5			1318			3	3					6	EDF SENT TO THE		
MW-8			1519			3	3					6	STATE.		
MW-10			1547			3	3					6			
MW-13			1446			3	3	1	1			8			
CMT1-21			1536			3	3					6			
Relinquished by (signature) <u>C. MUIR</u>				Received by (signature) <u>[Signature]</u>				Date/Time. <u>12-14-04 11:15</u>				SEND RESULTS TO: Attn: <u>TRAFELLO COTTON</u> Conor Pacific/EFW 2580 Wyandotte St., Suite G Mountain View, CA 94043 Phone (650) 386-3828 Fax (650) 386-3815			
Relinquished by (signature)				Received by (signature)				Date/Time.							
Relinquished by (signature)				Received by (signature)				Date/Time.							



CHAIN OF CUSTODY

PROJECT NO.: BNC103		SITE NAME: B-N-C GAS MINI MART		ANALYSES										EDD required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
SAMPLER(S): C. MUIR <small>(printed)</small>		C. Muir <small>(signature)</small>		TPH-GAS BTEX/PAH NAME BY EPA 8260 METALS (Pb, Cd, Cu, Ni, Zn, Cr, Mn, Fe, Al, Si, Sulfate) EPA METALS 821/807																							
CONTRACT LABORATORY: SCOXIA-IFTALUNA		Container Info																									
TURN-AROUND TIME: STANDARD																											
Sample I.D.	Lab I.D.	Collection		Matrix	Depth	Type/Vol.	Filter	Preserv.											Cont. Qty.	Remarks							
		Date	Time			NOA 20	NOA 20	IR 2	IR 3	IR 4	IR 5	IR 6	IR 7	IR 8	IR 9	IR 10	IR 11	IR 12									
CMT4-Z1		12/11/04						HCl																	PROVIDE ERF.		
CMT4-Z2		12/15/04	1007	WATER	/			3	3																6		
CMT4-E3		12/14/04	844					3	3																6	ADD THE LOC ID	
CMT4-Z4			928					3	3																6	(WELL ID) TO THE	
CMT4-Z5			1029					3	3																6	EDF SENT TO	
PW12130A		12/15/04	1449																						6	THE STATE	
																											NO SAMPLE FOR WELL CMT4-Z1.
Relinquished by: (signature) C. Muir		Received by: (signature) <i>[Signature]</i>				Date/Time: 12-17-04 12:50		SEND RESULTS TO: Attn: JOSEPH COTTON Conor Pacific/EFW 2580 Wyandotte St., Suite G Mountain View, CA 94043 Phone (650) 386-3828 Fax (650) 386-3815																			
Relinquished by: (signature) <i>[Signature]</i>		Received by: (signature) <i>[Signature]</i>				Date/Time:																					
Relinquished by: (signature) <i>[Signature]</i>		Received by: (signature) <i>[Signature]</i>				Date/Time:																					

APPENDIX B

Laboratory Certified Analytical Reports



**Sequoia
Analytical**

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

30 December, 2004

Joseph Cotton
Conor Pacific
2580 Wyandotte St., Suite G
Mountain View, CA 94043

RE: B&C Gas Mini Mart
Work Order: P412253

Enclosed are the results of analyses for samples received by the laboratory on 12/14/04 14:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Shipman
Project Manager

CA ELAP Certificate #2374



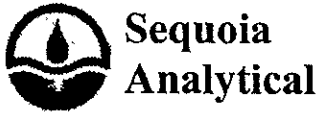
Conor Pacific
2580 Wyandotte St., Suite G
Mountain View CA, 94043

Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412253
Reported:
12/30/04 15:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	P412253-01	Water	12/13/04 11:55	12/14/04 14:30
MW-2	P412253-02	Water	12/13/04 12:28	12/14/04 14:30
MW-3	P412253-03	Water	12/13/04 13:21	12/14/04 14:30
MW-4	P412253-04	Water	12/13/04 14:07	12/14/04 14:30
MW-5	P412253-05	Water	12/13/04 13:18	12/14/04 14:30
MW-8	P412253-06	Water	12/13/04 15:19	12/14/04 14:30
MW-10	P412253-07	Water	12/13/04 15:47	12/14/04 14:30
MW-13	P412253-08	Water	12/13/04 14:46	12/14/04 14:30
CMT1-Z1	P412253-09	Water	12/13/04 15:36	12/14/04 14:30



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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: Joseph Cotton

P412253
 Reported:
 12/30/04 15:36

Dissolved Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (P412253-02) Water Sampled: 12/13/04 12:28 Received: 12/14/04 14:30									
Iron	ND	300	ug/l	1	4120324	12/16/04	12/16/04	EPA 6010B	
Manganese	620	10	"	"	"	"	"	"	
MW-4 (P412253-04) Water Sampled: 12/13/04 14:07 Received: 12/14/04 14:30									
Iron	ND	300	ug/l	1	4120324	12/16/04	12/16/04	EPA 6010B	
Manganese	ND	10	"	"	"	"	"	"	
MW-13 (P412253-08) Water Sampled: 12/13/04 14:46 Received: 12/14/04 14:30									
Iron	ND	300	ug/l	1	4120324	12/16/04	12/16/04	EPA 6010B	
Manganese	ND	10	"	"	"	"	"	"	



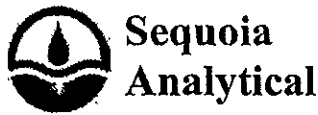
Conor Pacific
2580 Wyandotte St., Suite G
Mountain View CA, 94043

Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412253
Reported:
12/30/04 15:36

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P412253-01) Water Sampled: 12/13/04 11:55 Received: 12/14/04 14:30									
Tert-amyl methyl ether	ND	10	ug/l	20	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	11	10	"	"	"	"	"	"	
Ethylbenzene	36	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	190	10	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	84-122	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97 %	74-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	84-119	"	"	"	"	"	
MW-2 (P412253-02) Water Sampled: 12/13/04 12:28 Received: 12/14/04 14:30									
Tert-amyl methyl ether	ND	10	ug/l	20	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	120	10	"	"	"	"	"	"	
Ethylbenzene	160	10	"	"	"	"	"	"	
Methyl tert-butyl ether	23	10	"	"	"	"	"	"	
Toluene	19	10	"	"	"	"	"	"	
Xylenes (total)	120	10	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %	84-122	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96 %	74-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		107 %	84-119	"	"	"	"	"	
MW-3 (P412253-03) Water Sampled: 12/13/04 13:21 Received: 12/14/04 14:30									
Tert-amyl methyl ether	ND	5.0	ug/l	10	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	5.4	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	79	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	84-122	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	74-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	84-119	"	"	"	"	"	



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Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (P412253-04) Water Sampled: 12/13/04 14:07 Received: 12/14/04 14:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		107 %	84-119		"	"	"	"	
MW-5 (P412253-05) Water Sampled: 12/13/04 13:18 Received: 12/14/04 14:30									
Tert-amyl methyl ether	ND	50	ug/l	100	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	830	50	"	"	"	"	"	"	
Ethylbenzene	1100	50	"	"	"	"	"	"	
Methyl tert-butyl ether	280	50	"	"	"	"	"	"	
Toluene	64	50	"	"	"	"	"	"	
Xylenes (total)	190	50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	84-119		"	"	"	"	
MW-8 (P412253-06) Water Sampled: 12/13/04 15:19 Received: 12/14/04 14:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		107 %	84-119		"	"	"	"	

Sequoia Analytical - Petaluma

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-10 (P412253-07) Water **Sampled: 12/13/04 15:47** **Received: 12/14/04 14:30**

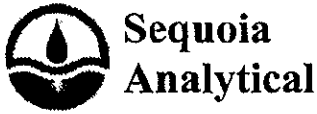
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %	84-122	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	74-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	84-119	"	"	"	"	"	

MW-13 (P412253-08) Water **Sampled: 12/13/04 14:46** **Received: 12/14/04 14:30**

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	13	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	84-122	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	74-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	84-119	"	"	"	"	"	

CMT1-Z1 (P412253-09) Water **Sampled: 12/13/04 15:36** **Received: 12/14/04 14:30**

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120495	12/24/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	84-122	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	74-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	84-119	"	"	"	"	"	



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 Petaluma, CA 94954
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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: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-2 (P412253-02) Water Sampled: 12/13/04 12:28 Received: 12/14/04 14:30										
Total Alkalinity as CaCO3	380	20		mg/l	1	4120384	12/17/04	12/17/04	EPA 310.1	
Carbonate Alkalinity as CaCO3	ND	20		"	"	"	"	"	"	
Bicarbonate Alkalinity as CaCO3	380	20		"	"	"	"	"	"	
Hydroxide Alkalinity as CaCO3	ND	20		"	"	"	"	"	"	
Carbon dioxide, free	56	5.0		"	"	"	"	"	SM 4500 CO2 D	A-01
MW-4 (P412253-04) Water Sampled: 12/13/04 14:07 Received: 12/14/04 14:30										
Total Alkalinity as CaCO3	330	20		mg/l	1	4120384	12/17/04	12/17/04	EPA 310.1	
Carbonate Alkalinity as CaCO3	ND	20		"	"	"	"	"	"	
Bicarbonate Alkalinity as CaCO3	330	20		"	"	"	"	"	"	
Hydroxide Alkalinity as CaCO3	ND	20		"	"	"	"	"	"	
Carbon dioxide, free	34	5.0		"	"	"	"	"	SM 4500 CO2 D	A-01
MW-13 (P412253-08) Water Sampled: 12/13/04 14:46 Received: 12/14/04 14:30										
Total Alkalinity as CaCO3	360	20		mg/l	1	4120384	12/17/04	12/17/04	EPA 310.1	
Carbonate Alkalinity as CaCO3	ND	20		"	"	"	"	"	"	
Bicarbonate Alkalinity as CaCO3	360	20		"	"	"	"	"	"	
Hydroxide Alkalinity as CaCO3	ND	20		"	"	"	"	"	"	
Carbon dioxide, free	55	5.0		"	"	"	"	"	SM 4500 CO2 D	A-01



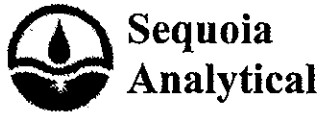
Conor Pacific
2580 Wyandotte St., Suite G
Mountain View CA, 94043

Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412253
Reported:
12/30/04 15:36

Anions by EPA Method 300.0
Sequoia Analytical - Petaluma

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-2 (P412253-02) Water Sampled: 12/13/04 12:28 Received: 12/14/04 14:30										
Nitrate as N	1.1	0.20		mg/l	1	4120282	12/14/04	12/14/04 18:25	EPA 300.0	
Sulfate as SO4	48	1.0		"	"	"	"	"	"	
MW-4 (P412253-04) Water Sampled: 12/13/04 14:07 Received: 12/14/04 14:30										
Nitrate as N	7.3	0.20		mg/l	1	4120282	12/14/04	12/14/04 18:35	EPA 300.0	
Sulfate as SO4	65	1.0		"	"	"	"	"	"	
MW-13 (P412253-08) Water Sampled: 12/13/04 14:46 Received: 12/14/04 14:30										
Nitrate as N	0.89	0.20		mg/l	1	4120282	12/14/04	12/14/04 18:45	EPA 300.0	
Sulfate as SO4	46	1.0		"	"	"	"	"	"	



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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: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Purgeable Hydrocarbons by EPA 8015B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P412253-01) Water Sampled: 12/13/04 11:55 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	9600	1000	ug/l	20	4120192	12/17/04	12/17/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		171 %	60-140		"	"	"	"	S04
Surrogate: a,a,a-TFT (PID)		110 %	60-140		"	"	"	"	
MW-2 (P412253-02) Water Sampled: 12/13/04 12:28 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	3100	1000	ug/l	20	4120192	12/17/04	12/17/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		121 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		92 %	60-140		"	"	"	"	
MW-3 (P412253-03) Water Sampled: 12/13/04 13:21 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	180	50	ug/l	1	4120192	12/17/04	12/17/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		117 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		110 %	60-140		"	"	"	"	
MW-4 (P412253-04) Water Sampled: 12/13/04 14:07 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4120192	12/17/04	12/17/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		102 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		97 %	60-140		"	"	"	"	
MW-5 (P412253-05) Water Sampled: 12/13/04 13:18 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	9600	1000	ug/l	20	4120192	12/17/04	12/18/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		183 %	60-140		"	"	"	"	S04
Surrogate: a,a,a-TFT (PID)		120 %	60-140		"	"	"	"	
MW-8 (P412253-06) Water Sampled: 12/13/04 15:19 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4120192	12/17/04	12/18/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		109 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		106 %	60-140		"	"	"	"	

Sequoia Analytical - Petaluma

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Purgeable Hydrocarbons by EPA 8015B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (P412253-07) Water Sampled: 12/13/04 15:47 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4120192	12/17/04	12/18/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		96 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		93 %	60-140		"	"	"	"	
MW-13 (P412253-08) Water Sampled: 12/13/04 14:46 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4120192	12/17/04	12/18/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		103 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		103 %	60-140		"	"	"	"	
CMT1-Z1 (P412253-09) Water Sampled: 12/13/04 15:36 Received: 12/14/04 14:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4120192	12/17/04	12/18/04	EPA 8015B-VOA	
Surrogate: 4-BFB (FID)		102 %	60-140		"	"	"	"	
Surrogate: a,a,a-TFT (PID)		101 %	60-140		"	"	"	"	



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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: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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**Dissolved Metals by EPA 6000/7000 Series Methods - Quality Control
 Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120324 - EPA 3005A / EPA 6010B										
Blank (4120324-BLK1) Prepared & Analyzed: 12/16/04										
Iron	ND	300	ug/l							
Manganese	ND	10	"							
Laboratory Control Sample (4120324-BS1) Prepared & Analyzed: 12/16/04										
Iron	5360	300	ug/l	5000		107	80-120			
Manganese	508	10	"	500		102	80-120			
Matrix Spike (4120324-MS1) Source: P412253-04 Prepared & Analyzed: 12/16/04										
Iron	5220	300	ug/l	5000	ND	104	80-120			
Manganese	495	10	"	500	ND	99	80-120			
Matrix Spike Dup (4120324-MSD1) Source: P412253-04 Prepared & Analyzed: 12/16/04										
Manganese	496	10	ug/l	500	ND	99	80-120	0.2	20	
Iron	5240	300	"	5000	ND	105	80-120	0.4	20	



Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Petaluma**

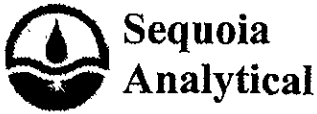
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	RPD Limit	Notes
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Batch 4120495 - EPA 5030B waters / EPA 8260B

Blank (4120495-BLK1)			Prepared & Analyzed: 12/24/04						
Tert-amyl methyl ether	ND	0.50	ug/l						
Benzene	ND	0.50	"						
Ethylbenzene	ND	0.50	"						
Methyl tert-butyl ether	ND	0.50	"						
Toluene	ND	0.50	"						
Xylenes (total)	ND	0.50	"						
<i>Surrogate: Dibromofluoromethane</i>	5.09		"	5.00		102		84-122	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.18		"	5.00		104		74-135	
<i>Surrogate: Toluene-d8</i>	5.30		"	5.00		106		84-119	

Laboratory Control Sample (4120495-BS1)			Prepared & Analyzed: 12/24/04						
Benzene	5.10	0.50	ug/l	5.00		102		81-118	
Ethylbenzene	5.21	0.50	"	5.00		104		89-122	
Methyl tert-butyl ether	4.94	0.50	"	5.00		99		77-123	
Toluene	5.36	0.50	"	5.00		107		84-119	
Xylenes (total)	16.4	0.50	"	15.0		109		86-132	
<i>Surrogate: Dibromofluoromethane</i>	5.18		"	5.00		104		84-122	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.05		"	5.00		101		74-135	
<i>Surrogate: Toluene-d8</i>	5.39		"	5.00		108		84-119	

Matrix Spike (4120495-MS1)			Source: P412266-01		Prepared & Analyzed: 12/24/04				
Benzene	126	12	ug/l	125	ND	101		81-118	
Ethylbenzene	135	12	"	125	3.8	105		89-122	
Methyl tert-butyl ether	123	12	"	125	ND	98		77-123	
Toluene	134	12	"	125	ND	107		84-119	
Xylenes (total)	415	12	"	375	ND	111		86-132	
<i>Surrogate: Dibromofluoromethane</i>	5.03		"	5.00		101		84-122	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.97		"	5.00		99		74-135	
<i>Surrogate: Toluene-d8</i>	5.39		"	5.00		108		84-119	



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Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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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
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Batch 4120495 - EPA 5030B waters / EPA 8260B

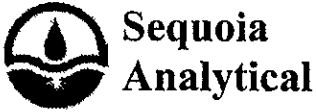
Matrix Spike Dup (4120495-MSD1)	Source: P412266-01	Prepared & Analyzed: 12/24/04								
Benzene	124	12	ug/l	125	ND	99	81-118	2	20	
Ethylbenzene	130	12	"	125	3.8	101	89-122	4	20	
Methyl tert-butyl ether	125	12	"	125	ND	100	77-123	2	20	
Toluene	129	12	"	125	ND	103	84-119	4	20	
Xylenes (total)	401	12	"	375	ND	107	86-132	3	20	
Surrogate: Dibromofluoromethane	5.05		"	5.00		101	84-122			
Surrogate: 1,2-Dichloroethane-d4	4.97		"	5.00		99	74-135			
Surrogate: Toluene-d8	5.43		"	5.00		109	84-119			



Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4120384 - General Preparation / EPA 310.1									
Blank (4120384-BLK1)				Prepared & Analyzed: 12/17/04					
Total Alkalinity as CaCO3	ND	20	mg/l						
Carbonate Alkalinity as CaCO3	ND	20	"						
Bicarbonate Alkalinity as CaCO3	ND	20	"						
Hydroxide Alkalinity as CaCO3	ND	20	"						
Laboratory Control Sample (4120384-BS1)				Prepared & Analyzed: 12/17/04					
Total Alkalinity as CaCO3	240	20	mg/l	250		96		80-120	
Duplicate (4120384-DUP1)				Source: P412253-02 Prepared & Analyzed: 12/17/04					
Total Alkalinity as CaCO3	376	20	mg/l		380		1	20	



Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Anions by EPA Method 300.0 - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120282 - General Preparation / EPA 300.0										
Blank (4120282-BLK1)					Prepared & Analyzed: 12/14/04					
Nitrate as N	ND	0.20	mg/l							
Sulfate as SO4	ND	1.0	"							
Laboratory Control Sample (4120282-BS1)					Prepared & Analyzed: 12/14/04					
Sulfate as SO4	9.43	1.0	mg/l	10.0		94	90-110			
Nitrate as N	9.76	0.20	"	10.0		98	90-110			
Matrix Spike (4120282-MS1)					Source: P412247-04 Prepared & Analyzed: 12/14/04					
Nitrate as N	9.87	0.40	mg/l	10.0	ND	99	80-120			
Sulfate as SO4	45.7	2.0	"	10.0	38	77	80-120			QM05
Matrix Spike Dup (4120282-MSD1)					Source: P412247-04 Prepared & Analyzed: 12/14/04					
Sulfate as SO4	47.5	2.0	mg/l	10.0	38	95	80-120	4	20	
Nitrate as N	9.84	0.40	"	10.0	ND	98	80-120	0.3	20	



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

Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412253
Reported:
12/30/04 15:36

**Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120192 - EPA 5030B (P/T) / EPA 8015B-VOA										
Blank (4120192-BLK1) Prepared & Analyzed: 12/16/04										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	10.4		"	10.0		104	60-140			
Surrogate: a,a,a-TFT (PID)	10.1		"	10.0		101	60-140			
Blank (4120192-BLK2) Prepared & Analyzed: 12/17/04										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	10.4		"	10.0		104	60-140			
Surrogate: a,a,a-TFT (PID)	9.68		"	10.0		97	60-140			
Laboratory Control Sample (4120192-BS1) Prepared & Analyzed: 12/16/04										
Gasoline Range Organics (C4-C12)	464	50	ug/l	500		93	70-130			
Surrogate: 4-BFB (FID)	11.7		"	10.0		117	60-140			
Surrogate: a,a,a-TFT (PID)	12.2		"	10.0		122	60-140			
Laboratory Control Sample (4120192-BS2) Prepared & Analyzed: 12/17/04										
Gasoline Range Organics (C4-C12)	233	50	ug/l	250		93	70-130			
Surrogate: 4-BFB (FID)	11.4		"	10.0		114	60-140			
Surrogate: a,a,a-TFT (PID)	8.64		"	10.0		86	60-140			
Matrix Spike (4120192-MS1) Source: S412286-02 Prepared: 12/17/04 Analyzed: 12/18/04										
Gasoline Range Organics (C4-C12)	233	50	ug/l	250	ND	93	60-140			
Surrogate: 4-BFB (FID)	11.4		"	10.0		114	60-140			
Surrogate: a,a,a-TFT (PID)	7.99		"	10.0		80	60-140			
Matrix Spike Dup (4120192-MSD1) Source: S412286-02 Prepared: 12/17/04 Analyzed: 12/18/04										
Gasoline Range Organics (C4-C12)	248	50	ug/l	250	ND	99	60-140	6	25	
Surrogate: 4-BFB (FID)	12.3		"	10.0		123	60-140			
Surrogate: a,a,a-TFT (PID)	8.03		"	10.0		80	60-140			

Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mimi Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412253 Reported: 12/30/04 15:36
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Notes and Definitions

- S04 The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
- QM05 The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- A-01 Since no field pH was provided, the lab pH was used.
- 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



CHAIN OF CUSTODY

PROJECT NO.: ENCLOS	SITE NAME: BH-C GAS MINI MART	ANALYSES	EDD required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLER(S): C. MW 12 S. GIACOMINI <small>(printed)</small>	C. mini S. GIACOMINI <small>(signature)</small>	TPH-GAS STELLANTER BY EPA 8260 ALKALINITY PHOSPHORUS AND 3 AS N, Fe, Mn	
CONTRACT LABORATORY: SEQUOIA - PETALUMA	Container Info		
TURN-AROUND TIME: STANDARD			

Sample I.D.	Lab I.D.	Collection		Matrix	Depth	Type/Vol.				Cont. Qty.	Remarks
		Date	Time			Filter	Preserv.	VCA HCl	HCl		
MW-1	02	12/13/04	1155	WATER		3	3			6	PROVIDE EDF.
MW-2	02		1228			3	3	1	1	6	
MW-3	03		1321			3	3			6	ADD THE LOC ID
MW-4	04		1407			3	3	1	1	8	(WELL ID) TO THE
MW-5	05		1318			3	3			6	EDF SENT TO THE
MW-8	05		1519			3	3			6	STATE.
MW-10	07		1547			3	3			6	
MW-13	08		1446			3	3	1	1	8	
CMTI-21	09		1536			3	3			6	

INTACT

CONTAINER: ONE

Relinquished by: (signature) C. mini	Received by: (signature) 	Date/Time: 12-14-04 1145	SEND RESULTS TO: Attn: JOSEPH COTTON Conor Pacific/EFW 2580 Wyandotte St., Suite G Mountain View, CA 94043 Phone (650) 386-3828 Fax (650) 386-3815
Relinquished by: (signature)	Received by: (signature)	Date/Time: 02/05 1439	
Relinquished by: (signature)	Received by: (signature)	Date/Time:	

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: <u>ERW</u>	DATE Received at Lab: <u>12-14-04</u>	(Drinking water) for regulatory purposes: YES/NO
REC. BY (PRINT): <u>[Signature]</u>	TIME Received at Lab: <u>1430</u>	(Wastewater) for regulatory purposes: YES/NO
WORKORDER: <u>R412253</u>	LOG IN DATE: <u>12/14/04</u>	

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	Dash #	CLIENT ID	CONTAINER DESCRIPTION	pH	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) Present / <input checked="" type="radio"/> Absent Intact / Broken*			MW-1	X60V		w	12-12-04	
			2	60V				
			↓	11-P				
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*				2504/1003				
3. Airbill: Airbill / Sticker Present / <input checked="" type="radio"/> Absent			3	X60V				
			4	X60V				
4. Airbill #:			↓	1LP				
5. Sample Labels: <input checked="" type="radio"/> Present / Absent			↓	2504/1003				
6. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody			5	X60V				
			8	↓				
7. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking*			10	X60V				
			13	X60V				
8. Does information on custody reports, traffic reports, and sample labels agree? <input checked="" type="radio"/> Yes / No*			↓	1LP				
			↓	2504/1003				
			CMT1-21	X60V				
9. Sample received within hold time: <input checked="" type="radio"/> Yes / No*			<div style="font-size: 2em; font-weight: bold; transform: rotate(-15deg); display: inline-block;"> [Signature] 12/14/04 </div>					
10. Proper Preservatives used: <input checked="" type="radio"/> Yes / No*								
11. Temperature Blank Received? Yes / <input checked="" type="radio"/> No*								
12. Temp Rec. at Lab: <u>4.1</u> degrees C (Acceptance range for samples requiring thermal pres.: 4±2°C)								
13. Samples collected more than 4 days ago? Yes * / <input checked="" type="radio"/> No								

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



**Sequoia
Analytical**

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11 January, 2005

Joseph Cotton
Conor Pacific
2580 Wyandotte St., Suite G
Mountain View, CA 94043

RE: B&C Gas Mini Mart
Work Order: P412314

Enclosed are the results of analyses for samples received by the laboratory on 12/16/04 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Shipman
Project Manager

CA ELAP Certificate #2374

Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412314 Reported: 01/11/05 09:12
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7	P412314-01	Water	12/14/04 13:05	12/16/04 15:30
MW-9	P412314-02	Water	12/14/04 13:46	12/16/04 15:30
MW-12	P412314-03	Water	12/14/04 12:18	12/16/04 15:30
D-2	P412314-04	Water	12/14/04 11:55	12/16/04 15:30
8K2	P412314-05	Water	12/14/04 14:11	12/16/04 15:30
CMT1-Z2	P412314-06	Water	12/14/04 11:49	12/16/04 15:30
CMT1-Z3	P412314-07	Water	12/14/04 12:32	12/16/04 15:30
CMT2-Z1	P412314-08	Water	12/15/04 13:27	12/16/04 15:30
CMT2-Z2	P412314-09	Water	12/15/04 12:38	12/16/04 15:30
CMT2-Z3	P412314-10	Water	12/15/04 12:03	12/16/04 15:30
CMT2-Z4	P412314-11	Water	12/15/04 11:28	12/16/04 15:30
CMT3-Z1	P412314-12	Water	12/14/04 14:54	12/16/04 15:30
CMT3-Z2	P412314-13	Water	12/14/04 15:37	12/16/04 15:30
CMT3-Z3	P412314-14	Water	12/15/04 14:12	12/16/04 15:30
CMT4-Z2	P412314-15	Water	12/15/04 10:07	12/16/04 15:30
CMT4-Z3	P412314-16	Water	12/14/04 08:44	12/16/04 15:30
CMT4-Z4	P412314-17	Water	12/14/04 09:28	12/16/04 15:30
CMT4-Z5	P412314-18	Water	12/14/04 10:29	12/16/04 15:30
PW121304	P412314-19	Water	12/15/04 14:49	12/16/04 15:30



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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: Joseph Cotton	P412314 Reported: 01/11/05 09:12
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Purgeable Hydrocarbons by EPA 8015B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (P412314-01) Water Sampled: 12/14/04 13:05 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	2500	50	ug/l	1	4120469	12/22/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		102 %	80.4-110		"	"	"	"	
MW-9 (P412314-02) Water Sampled: 12/14/04 13:46 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120469	12/22/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		90 %	80.4-110		"	"	"	"	
MW-12 (P412314-03) Water Sampled: 12/14/04 12:18 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120469	12/22/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	
D-2 (P412314-04) Water Sampled: 12/14/04 11:55 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		91 %	80.4-110		"	"	"	"	
8K2 (P412314-05) Water Sampled: 12/14/04 14:11 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		85 %	80.4-110		"	"	"	"	
CMT1-Z2 (P412314-06) Water Sampled: 12/14/04 11:49 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		85 %	80.4-110		"	"	"	"	
CMT1-Z3 (P412314-07) Water Sampled: 12/14/04 12:32 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	

Conor Pacific
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 Project: B&C Gas Mini Mart
 Project Number: BNC103
 Project Manager: Joseph Cotton

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Purgeable Hydrocarbons by EPA 8015B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT2-Z1 (P412314-08) Water Sampled: 12/15/04 13:27 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120497	12/24/04	12/25/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	
CMT2-Z2 (P412314-09) Water Sampled: 12/15/04 12:38 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120497	12/24/04	12/25/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		89 %	80.4-110		"	"	"	"	
CMT2-Z3 (P412314-10) Water Sampled: 12/15/04 12:03 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120497	12/24/04	12/25/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		86 %	80.4-110		"	"	"	"	
CMT2-Z4 (P412314-11) Water Sampled: 12/15/04 11:28 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120497	12/24/04	12/25/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	
CMT3-Z1 (P412314-12) Water Sampled: 12/14/04 14:54 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		86 %	80.4-110		"	"	"	"	
CMT3-Z2 (P412314-13) Water Sampled: 12/14/04 15:37 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	
CMT3-Z3 (P412314-14) Water Sampled: 12/15/04 14:12 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4120497	12/24/04	12/25/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	



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Purgeable Hydrocarbons by EPA 8015B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT4-Z2 (P412314-15) Water Sampled: 12/15/04 10:07 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	12000	500	ug/l	10	4120497	12/24/04	12/25/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		97 %	80.4-110		"	"	"	"	
CMT4-Z3 (P412314-16) Water Sampled: 12/14/04 08:44 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	320	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		89 %	80.4-110		"	"	"	"	
CMT4-Z4 (P412314-17) Water Sampled: 12/14/04 09:28 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	120	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		88 %	80.4-110		"	"	"	"	
CMT4-Z5 (P412314-18) Water Sampled: 12/14/04 10:29 Received: 12/16/04 15:30									
Gasoline Range Organics (C6-C10)	74	50	ug/l	1	4120492	12/23/04	12/23/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		90 %	80.4-110		"	"	"	"	



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Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

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**Dissolved Metals by EPA 200 Series Methods
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CMT2-Z2 (P412314-09) Water Sampled: 12/15/04 12:38 Received: 12/16/04 15:30										
Iron	ND	100		ug/l	1	4120375	12/20/04	12/20/04	EPA 200.7	
Manganese	110	10		"	"	"	"	"	"	



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Purgeables by EPA Method 624
Sequoia Analytical - Petaluma

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
PW121304 (P412314-19) Water Sampled: 12/15/04 14:49 Received: 12/16/04 15:30										
Dichlorodifluoromethane	ND	1.0		ug/l	1	4120546	12/29/04	12/29/04	EPA 624	
Benzene	9.1	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	3.5	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	2.3	1.0		"	"	"	"	"	"	
Freon 113	ND	1.0		"	"	"	"	"	"	
Methylene chloride	ND	1.0		"	"	"	"	"	"	
Methyl tert-butyl ether	13	1.0		"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0		"	"	"	"	"	"	
Tetrachloroethene	14	1.0		"	"	"	"	"	"	
Toluene	1.3	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)	12	1.0		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %		84-119		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %		86-119		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-7 (P412314-01) Water Sampled: 12/14/04 13:05 Received: 12/16/04 15:30

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120532	12/28/04	12/28/04	EPA 8260B	
Benzene	23	0.50	"	"	"	"	"	"	
Ethylbenzene	43	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	37	0.50	"	"	"	"	"	"	
Toluene	1.8	0.50	"	"	"	"	"	"	
Xylenes (total)	1.4	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	84-122	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		97 %	74-135	"	"	"	"	"	
Surrogate: Toluene-d8		112 %	84-119	"	"	"	"	"	

MW-9 (P412314-02) Water Sampled: 12/14/04 13:46 Received: 12/16/04 15:30

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120532	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	84-122	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98 %	74-135	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	84-119	"	"	"	"	"	

MW-12 (P412314-03) Water Sampled: 12/14/04 12:18 Received: 12/16/04 15:30

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120532	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94 %	84-122	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98 %	74-135	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	84-119	"	"	"	"	"	



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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-2 (P412314-04) Water Sampled: 12/14/04 11:55 Received: 12/16/04 15:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97 %	84-122		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		106 %	74-135		"	"	"	"	
Surrogate: Toluene-d8		99 %	84-119		"	"	"	"	
8K2 (P412314-05) Water Sampled: 12/14/04 14:11 Received: 12/16/04 15:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97 %	84-122		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	74-135		"	"	"	"	
Surrogate: Toluene-d8		99 %	84-119		"	"	"	"	
CMT1-Z2 (P412314-06) Water Sampled: 12/14/04 11:49 Received: 12/16/04 15:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	0.71	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	84-122		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %	74-135		"	"	"	"	
Surrogate: Toluene-d8		96 %	84-119		"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CMT1-Z3 (P412314-07) Water **Sampled: 12/14/04 12:32** **Received: 12/16/04 15:30**

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %	84-119		"	"	"	"	

CMT2-Z1 (P412314-08RE1) Water **Sampled: 12/15/04 13:27** **Received: 12/16/04 15:30**

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120549	12/29/04	12/29/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	84-119		"	"	"	"	

CMT2-Z2 (P412314-09) Water **Sampled: 12/15/04 12:38** **Received: 12/16/04 15:30**

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120537	12/28/04	12/29/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	0.57	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91 %	84-119		"	"	"	"	



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Project: B&C Gas Mini Mart
 Project Number: BNC103
 Project Manager: Joseph Cotton

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT2-Z3 (P412314-10) Water Sampled: 12/15/04 12:03 Received: 12/16/04 15:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120537	12/28/04	12/29/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %	84-119		"	"	"	"	
CMT2-Z4 (P412314-11) Water Sampled: 12/15/04 11:28 Received: 12/16/04 15:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120537	12/28/04	12/29/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %	84-119		"	"	"	"	
CMT3-Z1 (P412314-12) Water Sampled: 12/14/04 14:54 Received: 12/16/04 15:30									
Tert-amyl methyl ether	ND	0.50	ug/l	1	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %	84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97 %	84-119		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CMT3-Z1 (P412314-12RE1) Water **Sampled: 12/14/04 14:54** **Received: 12/16/04 15:30** **HT-RA**

Methyl tert-butyl ether	72	2.5	ug/l	5	4120544	12/29/04	12/29/04	EPA 8260B	
<i>Surrogate: Dibromofluoromethane</i>		99 %		84-122	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %		74-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %		84-119	"	"	"	"	

CMT3-Z2 (P412314-13) Water **Sampled: 12/14/04 15:37** **Received: 12/16/04 15:30**

Tert-amyl methyl ether	ND	0.50	ug/l	1	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	0.67	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93 %		84-122	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %		74-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %		84-119	"	"	"	"	

CMT3-Z2 (P412314-13RE1) Water **Sampled: 12/14/04 15:37** **Received: 12/16/04 15:30** **HT-RQ**

Tert-amyl methyl ether	ND	0.50	ug/l	1	5010079	01/06/05	01/06/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %		84-122	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		74-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %		84-119	"	"	"	"	



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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CMT3-Z3 (P412314-14) Water Sampled: 12/15/04 14:12 Received: 12/16/04 15:30										
Tert-amyl methyl ether	ND	0.50		ug/l	1	4120544	12/29/04	12/29/04	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %		84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %		84-119		"	"	"	"	
CMT4-Z2 (P412314-15) Water Sampled: 12/15/04 10:07 Received: 12/16/04 15:30										
Tert-amyl methyl ether	ND	50		ug/l	100	4120549	12/29/04	12/29/04	EPA 8260B	
Benzene	2900	50		"	"	"	"	"	"	
Ethylbenzene	140	50		"	"	"	"	"	"	
Methyl tert-butyl ether	4100	50		"	"	"	"	"	"	
Toluene	660	50		"	"	"	"	"	"	
Xylenes (total)	420	50		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %		84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %		74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		84-119		"	"	"	"	
CMT4-Z3 (P412314-16) Water Sampled: 12/14/04 08:44 Received: 12/16/04 15:30										
Tert-amyl methyl ether	ND	1.0		ug/l	2	4120531	12/28/04	12/28/04	EPA 8260B	
Benzene	62	1.0		"	"	"	"	"	"	
Ethylbenzene	3.1	1.0		"	"	"	"	"	"	
Methyl tert-butyl ether	6.4	1.0		"	"	"	"	"	"	
Toluene	26	1.0		"	"	"	"	"	"	
Xylenes (total)	9.1	1.0		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %		84-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		74-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %		84-119		"	"	"	"	



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Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma

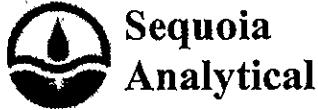
Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CMT2-Z2 (P412314-09) Water Sampled: 12/15/04 12:38 Received: 12/16/04 15:30										
Total Alkalinity as CaCO ₃	350	20		mg/l	1	4120384	12/17/04	12/17/04	EPA 310.1	
Carbonate Alkalinity as CaCO ₃	ND	20		"	"	"	"	"	"	
Bicarbonate Alkalinity as CaCO ₃	350	20		"	"	"	"	"	"	
Hydroxide Alkalinity as CaCO ₃	ND	20		"	"	"	"	"	"	
Carbon dioxide, free	16	5.0		"	"	"	"	"	SM 4500 CO ₂ D	A-01



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**Anions by EPA Method 300.0
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT2-Z2 (P412314-09) Water Sampled: 12/15/04 12:38 Received: 12/16/04 15:30									
Nitrate as N	4.1	0.20	mg/l	1	4120366	12/17/04	12/17/04 12:05	EPA 300.0	
Sulfate as SO4	57	10	"	10	4120486	12/23/04	12/23/04	"	



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**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 4120469 - EPA 5030B, waters / EPA 8015B-VOA										
Blank (4120469-BLK1) Prepared & Analyzed: 12/22/04										
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	265		"	300		88	80.4-110			
Laboratory Control Sample (4120469-BS1) Prepared & Analyzed: 12/22/04										
Gasoline Range Organics (C6-C10)	2340	50	ug/l	2750		85	65-135			
Surrogate: 4-Bromofluorobenzene	307		"	300		102	80.4-110			
Matrix Spike (4120469-MS1) Source: P412205-06 Prepared & Analyzed: 12/22/04										
Gasoline Range Organics (C6-C10)	49800	1000	ug/l	55000	3100	85	65-135			
Surrogate: 4-Bromofluorobenzene	310		"	300		103	80.4-110			
Matrix Spike Dup (4120469-MSD1) Source: P412205-06 Prepared & Analyzed: 12/22/04										
Gasoline Range Organics (C6-C10)	48800	1000	ug/l	55000	3100	83	65-135	2	20	
Surrogate: 4-Bromofluorobenzene	311		"	300		104	80.4-110			
Batch 4120492 - EPA 5030B, waters / EPA 8015B-VOA										
Blank (4120492-BLK1) Prepared & Analyzed: 12/23/04										
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	271		"	300		90	80.4-110			
Laboratory Control Sample (4120492-BS1) Prepared & Analyzed: 12/23/04										
Gasoline Range Organics (C6-C10)	2260	50	ug/l	2750		82	65-135			
Surrogate: 4-Bromofluorobenzene	310		"	300		103	80.4-110			
Matrix Spike (4120492-MS1) Source: P412300-01 Prepared & Analyzed: 12/23/04										
Gasoline Range Organics (C6-C10)	23100	500	ug/l	27500	820	81	65-135			
Surrogate: 4-Bromofluorobenzene	310		"	300		103	80.4-110			

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Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412314
Reported:
01/11/05 09:12

**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
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Batch 4120492 - EPA 5030B, waters / EPA 8015B-VOA

Matrix Spike Dup (4120492-MSD1)		Source: P412300-01		Prepared & Analyzed: 12/23/04						
Gasoline Range Organics (C6-C10)	22600	500	ug/l	27500	820	79	65-135	2	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	307		"	300		102	80.4-110			

Batch 4120497 - EPA 5030B, waters / EPA 8015B-VOA

Blank (4120497-BLK1)				Prepared & Analyzed: 12/24/04						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
<i>Surrogate: 4-Bromofluorobenzene</i>	265		"	300		88	80.4-110			

Laboratory Control Sample (4120497-BS1)				Prepared & Analyzed: 12/24/04						
Gasoline Range Organics (C6-C10)	2180	50	ug/l	2750		79	65-135			
<i>Surrogate: 4-Bromofluorobenzene</i>	308		"	300		103	80.4-110			

Matrix Spike (4120497-MS1)		Source: P412304-06		Prepared & Analyzed: 12/24/04						
Gasoline Range Organics (C6-C10)	2250	50	ug/l	2750	140	77	65-135			
<i>Surrogate: 4-Bromofluorobenzene</i>	305		"	300		102	80.4-110			

Matrix Spike Dup (4120497-MSD1)		Source: P412304-06		Prepared & Analyzed: 12/24/04						
Gasoline Range Organics (C6-C10)	2200	50	ug/l	2750	140	75	65-135	2	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	306		"	300		102	80.4-110			



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Dissolved Metals by EPA 200 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120375 - EPA 3010A / EPA 200.7										
Blank (4120375-BLK1) Prepared & Analyzed: 12/20/04										
Manganese	ND	10	ug/l							
Iron	ND	100	"							
Laboratory Control Sample (4120375-BS1) Prepared & Analyzed: 12/20/04										
Manganese	479	10	ug/l	500	79	96	85-115			
Iron	5090	100	"	5000	75	102	85-115			
Matrix Spike (4120375-MS1) Source: P412313-01 Prepared & Analyzed: 12/20/04										
Manganese	556	10	ug/l	500	79	95	70-130			
Iron	5150	100	"	5000	75	102	70-130			
Matrix Spike (4120375-MS2) Source: P412321-02 Prepared & Analyzed: 12/20/04										
Iron	5060	100	ug/l	5000	51	100	70-130			
Manganese	476	10	"	500	4.3	94	70-130			
Matrix Spike Dup (4120375-MSD1) Source: P412313-01 Prepared & Analyzed: 12/20/04										
Manganese	545	10	ug/l	500	79	93	70-130	2	20	
Iron	5100	100	"	5000	75	100	70-130	1	20	
Matrix Spike Dup (4120375-MSD2) Source: P412321-02 Prepared & Analyzed: 12/20/04										
Manganese	474	10	ug/l	500	4.3	94	70-130	0.4	20	
Iron	5040	100	"	5000	51	100	70-130	0.4	20	

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Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412314
Reported:
01/11/05 09:12

**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
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Batch 4120546 - EPA 5030B waters / EPA 624

Blank (4120546-BLK1)

Prepared & Analyzed: 12/29/04

Dichlorodifluoromethane	ND	1.0	ug/l							
Benzene	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Freon 113	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Xylenes (total)	ND	1.0	"							



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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
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Batch 4120546 - EPA 5030B waters / EPA 624

Blank (4120546-BLK1)

Prepared & Analyzed: 12/29/04

Surrogate: Dibromofluoromethane	4.94		ug/l	5.00		99	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.05		"	5.00		101	74-135			
Surrogate: Toluene-d8	5.28		"	5.00		106	84-119			
Surrogate: 4-Bromofluorobenzene	5.17		"	5.00		103	86-119			

Laboratory Control Sample (4120546-BS1)

Prepared & Analyzed: 12/29/04

Benzene	18.5	1.0	ug/l	20.0		92	37-151			
Bromodichloromethane	22.2	1.0	"	20.0		111	35-155			
Bromoform	20.4	1.0	"	20.0		102	45-169			
Bromomethane	5.59	1.0	"	20.0		28	0.1-242			
Carbon tetrachloride	21.0	1.0	"	20.0		105	70-140			
Chlorobenzene	20.0	1.0	"	20.0		100	37-160			
Chloroethane	18.5	1.0	"	20.0		92	14-230			
Chloroform	20.8	1.0	"	20.0		104	51-138			
Chloromethane	14.2	1.0	"	20.0		71	0.1-273			
Dibromochloromethane	21.2	1.0	"	20.0		106	53-149			
1,2-Dichlorobenzene	19.5	1.0	"	20.0		98	18-190			
1,3-Dichlorobenzene	19.9	1.0	"	20.0		100	59-156			
1,4-Dichlorobenzene	19.7	1.0	"	20.0		98	18-190			
1,1-Dichloroethane	20.3	1.0	"	20.0		102	59-155			
1,2-Dichloroethane	19.5	1.0	"	20.0		98	49-155			
1,1-Dichloroethene	19.0	1.0	"	20.0		95	0.1-234			
trans-1,2-Dichloroethene	20.2	1.0	"	20.0		101	54-156			
1,2-Dichloropropane	20.1	1.0	"	20.0		100	0.1-210			
cis-1,3-Dichloropropene	19.8	1.0	"	20.0		99	0.1-227			
trans-1,3-Dichloropropene	20.0	1.0	"	20.0		100	17-183			
Ethylbenzene	20.1	1.0	"	20.0		100	37-162			
Methylene chloride	18.9	1.0	"	20.0		94	0.1-221			
Methyl tert-butyl ether	18.6	1.0	"	20.0		93	70-130			
1,1,2,2-Tetrachloroethane	19.0	1.0	"	20.0		95	46-157			
Tetrachloroethene	19.2	1.0	"	20.0		96	64-148			
Toluene	19.8	1.0	"	20.0		99	47-150			
1,1,2-Trichloroethane	19.6	1.0	"	20.0		98	52-150			
1,1,1-Trichloroethane	21.1	1.0	"	20.0		106	52-162			
Trichloroethene	19.9	1.0	"	20.0		100	71-157			
Trichlorofluoromethane	18.9	1.0	"	20.0		94	17-181			

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**Purgeables by EPA Method 624 - Quality Control
Sequoia Analytical - Petaluma**

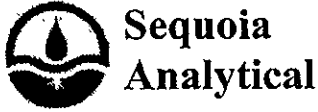
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4120546 - EPA 5030B waters / EPA 624

Laboratory Control Sample (4120546-BS1)

Prepared & Analyzed: 12/29/04

Vinyl chloride	15.1	1.0	ug/l	20.0		76	0.1-251			
Surrogate: Dibromofluoromethane	5.11		"	5.00		102	84-122			
Surrogate: 1,2-Dichloroethane-d4	4.87		"	5.00		97	74-135			
Surrogate: Toluene-d8	5.32		"	5.00		106	84-119			
Surrogate: 4-Bromofluorobenzene	5.00		"	5.00		100	86-119			



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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
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Batch 4120531 - EPA 5030B waters / EPA 8260B

Blank (4120531-BLK1) Prepared & Analyzed: 12/28/04										
Tert-amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	4.56		"	5.00		91	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.13		"	5.00		103	74-135			
Surrogate: Toluene-d8	4.86		"	5.00		97	84-119			

Laboratory Control Sample (4120531-BS1) Prepared: 12/28/04 Analyzed: 12/29/04										
Benzene	4.81	0.50	ug/l	5.00		96	81-118			
Ethylbenzene	4.62	0.50	"	5.00		92	89-122			
Methyl tert-butyl ether	5.31	0.50	"	5.00		106	77-123			
Toluene	4.74	0.50	"	5.00		95	84-119			
Xylenes (total)	14.2	0.50	"	15.0		95	86-132			
Surrogate: Dibromofluoromethane	4.79		"	5.00		96	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.19		"	5.00		104	74-135			
Surrogate: Toluene-d8	4.95		"	5.00		99	84-119			

Batch 4120532 - EPA 5030B waters / EPA 8260B

Blank (4120532-BLK1) Prepared & Analyzed: 12/28/04										
Tert-amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	4.82		"	5.00		96	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.05		"	5.00		101	74-135			
Surrogate: Toluene-d8	5.31		"	5.00		106	84-119			

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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
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Batch 4120532 - EPA 5030B waters / EPA 8260B

Laboratory Control Sample (4120532-BS1)				Prepared: 12/28/04 Analyzed: 12/29/04					
Benzene	1.01	0.50	ug/l	1.00	101	81-118			
Ethylbenzene	0.985	0.50	"	1.00	98	89-122			
Methyl tert-butyl ether	0.983	0.50	"	1.00	98	77-123			
Toluene	1.06	0.50	"	1.00	106	84-119			
Xylenes (total)	3.06	0.50	"	3.00	102	86-132			
Surrogate: Dibromofluoromethane	5.05		"	5.00	101	84-122			
Surrogate: 1,2-Dichloroethane-d4	4.87		"	5.00	97	74-135			
Surrogate: Toluene-d8	5.34		"	5.00	107	84-119			

Batch 4120537 - EPA 5030B waters / EPA 8260B

Blank (4120537-BLK1)				Prepared: 12/28/04 Analyzed: 12/29/04					
Tert-amyl methyl ether	ND	0.50	ug/l						
Benzene	ND	0.50	"						
Ethylbenzene	ND	0.50	"						
Methyl tert-butyl ether	ND	0.50	"						
Toluene	ND	0.50	"						
Xylenes (total)	ND	0.50	"						
Surrogate: Dibromofluoromethane	8.83		"	10.0	88	84-122			
Surrogate: 1,2-Dichloroethane-d4	8.73		"	10.0	87	74-135			
Surrogate: Toluene-d8	8.66		"	10.0	87	84-119			

Laboratory Control Sample (4120537-BS1)				Prepared: 12/28/04 Analyzed: 12/29/04					
Benzene	6.40	0.50	ug/l	5.00	128	81-118			QC01
Ethylbenzene	6.36	0.50	"	5.00	127	89-122			QC01
Methyl tert-butyl ether	5.83	0.50	"	5.00	117	77-123			
Toluene	6.23	0.50	"	5.00	125	84-119			QC01
Xylenes (total)	19.0	0.50	"	15.0	127	86-132			
Surrogate: Dibromofluoromethane	9.22		"	10.0	92	84-122			
Surrogate: 1,2-Dichloroethane-d4	9.25		"	10.0	92	74-135			
Surrogate: Toluene-d8	9.14		"	10.0	91	84-119			



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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
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Batch 4120537 - EPA 5030B waters / EPA 8260B

Laboratory Control Sample Dup (4120537-BSD1)				Prepared: 12/28/04 Analyzed: 12/29/04						
Benzene	6.22	0.50	ug/l	5.00	124	81-118	3	20	QC01	
Ethylbenzene	6.27	0.50	"	5.00	125	89-122	1	20	QC01	
Methyl tert-butyl ether	5.63	0.50	"	5.00	113	77-123	3	20		
Toluene	5.89	0.50	"	5.00	118	84-119	6	20		
Xylenes (total)	18.1	0.50	"	15.0	121	86-132	5	20		
Surrogate: Dibromofluoromethane	9.26		"	10.0	93	84-122				
Surrogate: 1,2-Dichloroethane-d4	9.18		"	10.0	92	74-135				
Surrogate: Toluene-d8	8.87		"	10.0	89	84-119				

Batch 4120544 - EPA 5030B waters / EPA 8260B

Blank (4120544-BLK1)				Prepared & Analyzed: 12/29/04						
Tert-amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	4.94		"	5.00	99	84-122				
Surrogate: 1,2-Dichloroethane-d4	5.05		"	5.00	101	74-135				
Surrogate: Toluene-d8	5.28		"	5.00	106	84-119				

Laboratory Control Sample (4120544-BS1)				Prepared & Analyzed: 12/29/04						
Benzene	18.5	0.50	ug/l	20.0	92	81-118				
Ethylbenzene	20.1	0.50	"	20.0	100	89-122				
Methyl tert-butyl ether	18.6	0.50	"	20.0	93	77-123				
Toluene	19.8	0.50	"	20.0	99	84-119				
Xylenes (total)	61.7	0.50	"	60.0	103	86-132				
Surrogate: Dibromofluoromethane	5.11		"	5.00	102	84-122				
Surrogate: 1,2-Dichloroethane-d4	4.87		"	5.00	97	74-135				
Surrogate: Toluene-d8	5.32		"	5.00	106	84-119				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%RBC Limits	RPD	RPD Limit	Notes
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Batch 4120544 - EPA 5030B waters / EPA 8260B

Laboratory Control Sample Dup (4120544-BSD1)				Prepared & Analyzed: 12/29/04						
Benzene	18.0	0.50	ug/l	20.0		90	81-118	3	20	
Ethylbenzene	19.4	0.50	"	20.0		97	89-122	4	20	
Methyl tert-butyl ether	19.1	0.50	"	20.0		96	77-123	3	20	
Toluene	19.1	0.50	"	20.0		96	84-119	4	20	
Xylenes (total)	59.9	0.50	"	60.0		100	86-132	3	20	
Surrogate: Dibromofluoromethane	5.15		"	5.00		103	84-122			
Surrogate: 1,2-Dichloroethane-d4	4.96		"	5.00		99	74-135			
Surrogate: Toluene-d8	5.37		"	5.00		107	84-119			

Batch 4120549 - EPA 5030B waters / EPA 8260B

Blank (4120549-BLK1)				Prepared & Analyzed: 12/29/04						
Tert-amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	4.65		"	5.00		93	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.00		"	5.00		100	74-135			
Surrogate: Toluene-d8	4.78		"	5.00		96	84-119			

Laboratory Control Sample (4120549-BS1)				Prepared & Analyzed: 12/29/04						
Benzene	4.75	0.50	ug/l	5.00		95	81-118			
Ethylbenzene	4.74	0.50	"	5.00		95	89-122			
Methyl tert-butyl ether	5.45	0.50	"	5.00		109	77-123			
Toluene	4.62	0.50	"	5.00		92	84-119			
Xylenes (total)	14.3	0.50	"	15.0		95	86-132			
Surrogate: Dibromofluoromethane	4.60		"	5.00		92	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.05		"	5.00		101	74-135			
Surrogate: Toluene-d8	4.76		"	5.00		95	84-119			



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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
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Batch 4120549 - EPA 5030B waters / EPA 8260B

Matrix Spike (4120549-MS1)	Source: P412304-01RE1	Prepared: 12/29/04	Analyzed: 12/30/04							
Benzene	2210	50	ug/l	500	2000	42	81-118			QM05
Ethylbenzene	1100	50	"	500	730	74	89-122			QM02
Methyl tert-butyl ether	4330	50	"	500	3900	86	77-123			
Toluene	586	50	"	500	170	83	84-119			QM02
Xylenes (total)	4570	50	"	1500	3500	71	86-132			QM05
Surrogate: Dibromofluoromethane	4.92		"	5.00		98	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.59		"	5.00		112	74-135			
Surrogate: Toluene-d8	4.96		"	5.00		99	84-119			

Matrix Spike Dup (4120549-MSD1)	Source: P412304-01RE1	Prepared: 12/29/04	Analyzed: 12/30/04							
Benzene	2120	50	ug/l	500	2000	24	81-118	4	20	QM05
Ethylbenzene	1040	50	"	500	730	62	89-122	6	20	QM02
Methyl tert-butyl ether	4130	50	"	500	3900	46	77-123	5	20	QM05
Toluene	552	50	"	500	170	76	84-119	6	20	QM02
Xylenes (total)	4280	50	"	1500	3500	52	86-132	7	20	QM05
Surrogate: Dibromofluoromethane	4.91		"	5.00		98	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.44		"	5.00		109	74-135			
Surrogate: Toluene-d8	4.95		"	5.00		99	84-119			

Batch 5010079 - EPA 5030B waters / EPA 8260B

Blank (5010079-BLK1)	Prepared & Analyzed: 01/06/05									
Tert-amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	4.91		"	5.00		98	84-122			
Surrogate: 1,2-Dichloroethane-d4	4.99		"	5.00		100	74-135			
Surrogate: Toluene-d8	5.26		"	5.00		105	84-119			

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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
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Batch 5010079 - EPA 5030B waters / EPA 8260B

Laboratory Control Sample (5010079-BS1)

Prepared & Analyzed: 01/06/05

Benzene	0.999	0.50	ug/l	1.00		100	81-118			
Ethylbenzene	0.996	0.50	"	1.00		100	89-122			
Methyl tert-butyl ether	0.922	0.50	"	1.00		92	77-123			
Toluene	1.06	0.50	"	1.00		106	84-119			
Xylenes (total)	3.02	0.50	"	3.00		101	86-132			
<i>Surrogate: Dibromofluoromethane</i>	<i>5.06</i>		"	<i>5.00</i>		<i>101</i>	<i>84-122</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.84</i>		"	<i>5.00</i>		<i>97</i>	<i>74-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.40</i>		"	<i>5.00</i>		<i>108</i>	<i>84-119</i>			

Laboratory Control Sample Dup (5010079-BSD1)

Prepared & Analyzed: 01/06/05

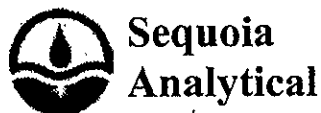
Benzene	0.989	0.50	ug/l	1.00		99	81-118	1	20	
Ethylbenzene	0.957	0.50	"	1.00		96	89-122	4	20	
Methyl tert-butyl ether	0.931	0.50	"	1.00		93	77-123	1	20	
Toluene	1.02	0.50	"	1.00		102	84-119	4	20	
Xylenes (total)	2.99	0.50	"	3.00		100	86-132	1	20	
<i>Surrogate: Dibromofluoromethane</i>	<i>5.07</i>		"	<i>5.00</i>		<i>101</i>	<i>84-122</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.11</i>		"	<i>5.00</i>		<i>102</i>	<i>74-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.43</i>		"	<i>5.00</i>		<i>109</i>	<i>84-119</i>			

Batch 5010093 - EPA 5030B waters / EPA 8260B

Blank (5010093-BLK1)

Prepared & Analyzed: 01/07/05

Tert-amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	<i>5.17</i>		"	<i>5.00</i>		<i>103</i>	<i>84-122</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.13</i>		"	<i>5.00</i>		<i>103</i>	<i>74-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.27</i>		"	<i>5.00</i>		<i>105</i>	<i>84-119</i>			



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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
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Batch 5010093 - EPA 5030B waters / EPA 8260B

Laboratory Control Sample (5010093-BS1)				Prepared & Analyzed: 01/07/05						
Benzene	5.11	0.50	ug/l	5.00		102	81-118			
Ethylbenzene	5.14	0.50	"	5.00		103	89-122			
Methyl tert-butyl ether	5.01	0.50	"	5.00		100	77-123			
Toluene	5.33	0.50	"	5.00		107	84-119			
Xylenes (total)	16.3	0.50	"	15.0		109	86-132			
Surrogate: Dibromofluoromethane	5.11		"	5.00		102	84-122			
Surrogate: 1,2-Dichloroethane-d4	4.86		"	5.00		97	74-135			
Surrogate: Toluene-d8	5.36		"	5.00		107	84-119			

Matrix Spike (5010093-MS1)				Source: P412479-04 Prepared & Analyzed: 01/07/05						
Benzene	4.86	0.50	ug/l	5.00	ND	97	81-118			
Ethylbenzene	4.83	0.50	"	5.00	ND	97	89-122			
Methyl tert-butyl ether	6.25	0.50	"	5.00	1.0	105	77-123			
Toluene	5.02	0.50	"	5.00	ND	100	84-119			
Xylenes (total)	15.3	0.50	"	15.0	ND	102	86-132			
Surrogate: Dibromofluoromethane	5.26		"	5.00		105	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.00		"	5.00		100	74-135			
Surrogate: Toluene-d8	5.33		"	5.00		107	84-119			

Matrix Spike Dup (5010093-MSD1)				Source: P412479-04 Prepared & Analyzed: 01/07/05						
Benzene	5.05	0.50	ug/l	5.00	ND	101	81-118	4	20	
Ethylbenzene	5.05	0.50	"	5.00	ND	101	89-122	4	20	
Methyl tert-butyl ether	6.58	0.50	"	5.00	1.0	112	77-123	5	20	
Toluene	5.26	0.50	"	5.00	ND	105	84-119	5	20	
Xylenes (total)	15.9	0.50	"	15.0	ND	106	86-132	4	20	
Surrogate: Dibromofluoromethane	5.23		"	5.00		105	84-122			
Surrogate: 1,2-Dichloroethane-d4	5.07		"	5.00		101	74-135			
Surrogate: Toluene-d8	5.36		"	5.00		107	84-119			

Sequoia Analytical - Petaluma

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412314 Reported: 01/11/05 09:12
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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 4120384 - General Preparation / EPA 310.1

Blank (4120384-BLK1)				Prepared & Analyzed: 12/17/04						
Total Alkalinity as CaCO3	ND	20	mg/l							
Carbonate Alkalinity as CaCO3	ND	20	"							
Bicarbonate Alkalinity as CaCO3	ND	20	"							
Hydroxide Alkalinity as CaCO3	ND	20	"							
Laboratory Control Sample (4120384-BS1)				Prepared & Analyzed: 12/17/04						
Total Alkalinity as CaCO3	240	20	mg/l	250		96	80-120			
Duplicate (4120384-DUP1)				Source: P412253-02 Prepared & Analyzed: 12/17/04						
Total Alkalinity as CaCO3	376	20	mg/l		380			1	20	



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

Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Joseph Cotton	P412314 Reported: 01/11/05 09:12
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Anions by EPA Method 300.0 - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120366 - General Preparation / EPA 300.0										
Blank (4120366-BLK1) Prepared & Analyzed: 12/17/04										
Nitrate as N	ND	0.20	mg/l							
Laboratory Control Sample (4120366-BS1) Prepared & Analyzed: 12/17/04										
Nitrate as N	10.2	0.20	mg/l	10.0		102	90-110			
Matrix Spike (4120366-MS1) Source: P412215-16 Prepared & Analyzed: 12/17/04										
Nitrate as N	486	20	mg/l	500	ND	97	80-120			
Matrix Spike Dup (4120366-MSD1) Source: P412215-16 Prepared & Analyzed: 12/17/04										
Nitrate as N	486	20	mg/l	500	ND	97	80-120	0	20	
Batch 4120486 - General Preparation / EPA 300.0										
Blank (4120486-BLK1) Prepared & Analyzed: 12/23/04										
Sulfate as SO4	ND	1.0	mg/l							
Laboratory Control Sample (4120486-BS1) Prepared & Analyzed: 12/23/04										
Sulfate as SO4	9.16	1.0	mg/l	10.0		92	90-110			
Matrix Spike (4120486-MS1) Source: P412316-01 Prepared & Analyzed: 12/23/04										
Sulfate as SO4	161	20	mg/l	100	77	84	80-120			
Matrix Spike Dup (4120486-MSD1) Source: P412316-01 Prepared & Analyzed: 12/23/04										
Sulfate as SO4	161	20	mg/l	100	77	84	80-120	0	20	



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

Project: B&C Gas Mini Mart
Project Number: BNC103
Project Manager: Joseph Cotton

P412314
Reported:
01/11/05 09:12

Notes and Definitions

- QM05 The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM02 The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QC01 The percent recovery was above the control limits.
- HT-RQ This sample was originally analyzed within the EPA recommended hold time but QA/QC criteria was outside limits. Re-analysis was performed past the recommended hold time.
- HT-RE This sample was re-extracted beyond the EPA recommended holding time.
- 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.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- A-01 Since no field pH was provided, the lab pH was used.
- 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



CHAIN OF CUSTODY

PROJECT NO.: BNC 103		SITE NAME: B-N-C GAS MINI MART		ANALYSES TPH-GAS BTEX MIBETPAME BY EPA 8260 ALUMINUM / TOTAL CHLORINE DIORIDE NITRATE-N SULFATE Fe, Mn										EDD required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												
SAMPLER(S): C-MWIR <small>(printed)</small> S. GIACOMINI		C-mw <small>(signature)</small>																								
CONTRACT LABORATORY: SECODIA - RETALUMA			Container Info																							
TURN-AROUND TIME: STANDARD																										
Sample I.D.	Lab I.D.	Collection		Matrix	Depth	Type/Vol.	VOA	VOA	DD	DE											Cont. Qty.	Remarks				
		Date	Time			Filter	HCl	HCl	None	HNO ₃																
MW-7		12/14/04	1305	WATER	P4/23/4-01	3	3															6	PROVIDE EDF			
MW-9			1346			2	3	3															6			
MW-12			1218			3	3	3																6	ADD THE LOC ID	
D-2			1155			4	3	3																6	(WELL ID) TO THE	
BK2			1411			5	3	3																6	EDF SENT TO THE	
CMT1-Z2			1149			6	3	3																6	STATE.	
CMT1-Z3			1232			7	3	3																	6	
CMT2-Z1		12/15/04	1327			8	3	3																	6	NO SAMPLE FOR!
CMT2-Z2			1238			9	3	3	1	1															8	MSMWOL.
CMT2-Z3			1203			10	3	3																	6	
CMT2-Z4			1128			11	3	3																	6	
CMT3-Z1		12/14/04	1454			12	3	3																	6	64"
CMT3-Z2			1537			13	3	3																	6	
CMT3-Z3		12/15/04	1412			14	3	3																	6	
Relinquished by (signature): <i>C. M. Giacomini</i>			Received by (signature): <i>[Signature]</i>			Date/Time: 12-14-04 1350			SEND RESULTS TO: Attn: JOSEPH COTTON Conor Pacific/EFW 2580 Wyandotte St., Suite G Mountain View, CA 94043 Phone (650) 386-3828 Fax (650) 386-3815																	
Relinquished by (signature): <i>[Signature]</i>			Received by (signature): <i>[Signature]</i>			Date/Time: 12-14-04 1530																				
Relinquished by (signature): <i>[Signature]</i>			Received by (signature): <i>[Signature]</i>			Date/Time: 12-14-04 1530																				



CHAIN OF CUSTODY

PROJECT NO.: BNC103		SITE NAME: B-N-C GAS MINI MART		ANALYSES TPH-GAS BTEX, MTBE, TAME BY EPA 8260 ALKYLATES (TOTAL), OXIDIZABLE SULFATE FC, MTX EPA METHOD ON 601/602					EDD required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
SAMPLER(S): C. Muir <small>(printed)</small> S. Giacomin <small>(signature)</small>		SAMPLER(S): C. Muir <small>(signature)</small> S. Giacomin <small>(signature)</small>							CONTRACT LABORATORY: SEQUOIA-PETALUMA	
TURN-AROUND TIME: STANDARD										
Sample I.D.	Lab I.D.	Collection		Matrix	Depth	Type/Vol.	Filter	Preserv.	Cont. Qty.	Remarks
		Date	Time							
CMT4-Z1		12/14/04				10A 40	N	HCl		
CMT4-Z2		12/15/04	1007	WATER	/	10A 40	N	HCl	6	
CMT4-Z3		12/14/04	844			10A 40	N	HCl	6	ADD THE LOC ID
CMT4-Z4			928			10A 40	N	HCl	6	(WELL ID) TO THE
CMT4-Z5			1029			10A 40	N	HCl	6	EDF SENT TO
PW121304		12/15/04	1449			10A 40	N	HCl	6	THE STATE.
										NO SAMPLE FOR WELL CMT4-Z1.
Relinquished by (signature): C. Muir		Received by (signature):		Date/Time: 12-16-04 1352		SEND RESULTS TO: Attn: JOSEPH COTTON Conor Pacific/EFW 2580 Wyandotte St., Suite G Mountain View, CA 94043 Phone (650) 386-3828 Fax (650) 386-3815				
Relinquished by (signature):		Received by (signature):		Date/Time:						
Relinquished by (signature):		Received by (signature):		Date/Time: 12-16-04 1530						

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Conor Pacific
 REC. BY (PRINT): ACL
 WORKORDER: PW12314

DATE Received at Lab: 12-16-04
 TIME Received at Lab: 1530
 LOG IN DATE: 12-16-04

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	Dash #	CLIENT ID	CONTAINER DESCRIPTION	pH	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*			MW-7 ↓ 9 ↓ 12	6XPV		W	12-14	
2. Chain-of-Custody Present / Absent*			D-2					
3. Airbill: Airbill / Sticker Present / Absent			8K2					
4. Airbill #: CMT1-22			↓ 23	↓			↓ 12-15	
5. Sample Labels: Present / Absent			CMT2-21					
6. Sample IDs: Listed / Not Listed on Chain-of-Custody			↓ 22	6XPV, 250pHres, LP			↓	
7. Sample Condition: Intact / Broken* / Leaking*			↓ 23	6XPV			↓	
8. Does information on custody reports, traffic reports, and sample labels agree? Yes / No*			↓ 24	↓			↓	
9. Sample received within hold time: Yes / No*			CMT3-21	4XPV			12-14	
10. Proper Preservatives used: Yes / No*			↓ 22	6XPV			↓	
11. Temperature Blank Received? Yes / No*			↓ 23				12-15	
12. Temp Rec. at Lab: 3.9 degrees C (Acceptance range for samples requiring thermal pres.: 4 +/- 2°C) Yes / No*			↓ 23				↓	
13. Samples collected more than 4 days ago? Yes / No*			↓ 24				↓	
			↓ 25				↓	
			PW12304	3XPV			12-15	
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p style="font-size: 2em; margin: 0;">12-15-04</p> <p style="font-size: 2em; margin: 0;">ACL</p> </div>								

***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	451.42					
09/07/04	36.53	447.15					
12/13/04	34.12	449.56					

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-2	483.86	06/19/94	38.15	445.71		
		08/25/94	44.13	-	43.47	0.66
		11/22/94	40.96	-	40.92	0.04
		03/09/95	29.28	-	28.47	0.81
		03/13/95	28.71	-	28.29	0.42
		06/01/95	22.61	461.25		
		02/29/96	20.05	463.81		
		02/01/97	18.30	465.56		
		07/30/98	25.75	-	25.74	0.01
		11/05/98	33.31	450.55		
		03/23/99	25.51	458.35		
		06/08/99	27.54	456.32		
		09/27/99	30.73	453.13		
		12/20/99	33.02	450.84		
		03/21/00	24.13	459.73		
		06/21/00	26.26	457.60		
		09/12/00	29.40	454.46		
		12/08/00	30.60	453.26		
		03/21/01	29.63	454.23		
		06/20/01	34.68	449.18		
		09/16/02	37.42	446.44	37.41	0.01
		12/23/02	31.46	452.40	FP	
		03/18/03	31.42	452.44	FP	
		06/09/03	30.41	453.45		
		08/04/03	33.87	449.99		
		11/24/03	34.29	449.57		
		02/16/04	27.77	456.09		
		06/21/04	32.48	451.38		
		09/07/04	36.69	447.17		
		12/13/04	34.29	449.57		

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-3	484.24	06/19/94	37.15	447.09		
		08/25/94	42.31	441.93		
		11/22/94	40.07	444.17		
		03/13/95	27.94	456.30		
		06/01/95	21.31	462.93		
		02/29/96	18.78	465.46		
		02/01/97	16.97	467.27		
		07/30/98	24.88	459.36		
		11/05/98	32.09	452.15		
		03/23/99	24.49	459.75		
		06/08/99	26.77	457.47		
		09/27/99	29.52	454.72		
		12/20/99	31.85	452.39		
		03/21/00	22.95	461.29		
		06/21/00	25.60	458.64		
		09/12/00	28.40	455.84		
		12/07/00	29.56	454.68		
		03/21/01	28.69	455.55		
		06/20/01	33.61	450.63		
		09/16/02	36.30	447.94		
12/23/02	30.38	453.86				
03/18/03	30.56	453.68				
06/09/03	29.51	454.73				
08/04/03	32.02	452.22				
11/24/03	33.32	450.92				
02/16/04	26.93	457.31				
06/21/04	31.78	452.46				
09/07/04	35.83	448.41				
12/13/04	33.44	450.80				

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-4	485.04	06/19/94	37.49	447.55		
		08/25/94	42.25	442.79		
		11/22/94	40.59	444.45		
		03/13/95	28.00	457.04		
		06/01/95	21.51	463.53		
		02/29/96	18.42	466.62		
		02/01/97	17.47	467.57		
		07/30/98	25.47	459.57		
		11/05/98	32.67	452.37		
		03/23/99	25.09	459.95		
		06/08/99	27.43	457.61		
		09/27/99	30.16	454.88		
		12/20/99	32.52	452.52		
		03/21/00	23.43	461.61		
		06/21/00	26.14	458.90		
		09/12/00	29.03	456.01		
		12/07/00	29.15	455.89		
		03/21/01	29.35	455.69		
		06/20/01	34.40	450.64		
		09/16/02	36.30	448.74		
		12/23/02	30.93	454.11		
		03/18/03	31.11	453.93		
		06/09/03	30.21	454.83		
		08/04/03	33.60	451.44		
11/24/03	34.04	451.00				
02/16/04	27.75	457.29				
06/21/04	32.39	452.65				
09/07/04	36.51	448.53				
12/13/04	34.14	450.90				

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-5	481.97	02/29/96	19.35	462.62		
		02/01/97	18.19	463.78		
		07/30/98	25.25	456.72	25.24	0.01
		11/05/98	32.70	449.27	32.48	0.22
		03/23/99	25.15	456.82		
		06/08/99	27.27	454.70		
		09/27/99	30.00	451.97		
		12/20/99	32.30	449.67	32.23	0.07
		03/21/00	23.55	458.42		
		06/21/00	26.04	455.93		
		09/12/00	28.90	453.07		
		12/07/00	29.89	452.08		
		03/21/01	29.16	452.81	29.15	0.01
		06/20/01	34.04	447.93	33.89	0.15
		09/16/02	36.70	445.27	36.69	0.01
		12/23/02	31.36	450.61	FP	
		03/18/03	31.45	450.52		
		06/09/03	30.48	451.49		
		08/04/03	33.51	448.46		
		11/24/03	34.31	447.66		
02/16/04	27.47	454.50				
06/21/04	31.91	450.06				
09/07/04	35.83	446.14				
12/13/04	34.23	447.74				

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-6	483.93	02/29/96	20.32	463.61		
		02/01/97	18.92	465.01		
		07/30/98	25.59	458.34	25.58	0.01
		11/05/98	NM >28.4	NM		
		03/23/99	25.43	458.50		
		06/08/99	27.43	456.50		
		09/27/99	NM >28.6	NM		
		12/20/99	NM >28.7	NM		
		03/21/00	24.02 *	459.91		
		06/21/00	26.04 *	457.89		
		09/12/00	NM >28.7	NM		
		12/07/00	NM >28.6	NM		
		03/21/01	NM >28.7	NM		
		06/20/01	NM >28.7	NM		
		09/16/02	NM*	NM		
		12/23/02	NM*	NM		
		03/18/03	NM*	NM		
		06/09/03	NM*	NM		
		08/04/03	NM*	NM		
		11/24/03	NM*	NM		
		02/16/04	27.61	456.32		
06/21/04	NM*	NM				
09/07/04	NM*	NM				
12/13/04	NM*	NM				
MW-7	478.14	07/12/99	28.37	449.77		
		09/27/99	30.20	447.94		
		12/20/99	32.44	445.70		
		03/21/00	24.18	453.96		
		06/21/00	26.70	451.44		
		09/12/00	29.28	448.86		
		12/07/00	30.23	447.91		
		03/21/01	29.39	448.75		
		06/02/01	34.38	443.76		
		09/16/02	37.05	441.09		
		12/23/02	31.47	446.67		
		03/18/03	31.39	446.75		
		06/09/03	30.48	447.66		
		08/04/03	33.95	444.19		
		11/24/03	33.98	444.16		
		02/16/04	27.76	450.38		
06/21/04	32.68	445.46				
09/07/04	36.77	441.37				
12/13/04	33.90	444.24				

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-8	473.23	07/12/99	34.29	438.94		
		09/27/99	37.11	436.12		
		12/20/99	39.79	433.44		
		03/21/00	29.10	444.13		
		06/21/00	31.90	441.33		
		09/12/00	35.75	437.48		
		12/07/00	36.88	436.35		
		03/21/01	35.25	437.98		
		06/02/01	41.78	431.45		
		09/16/02	43.32	429.91		
		12/23/02	38.28	434.95		
		03/18/03	38.28	434.95		
		06/09/03	36.49	436.74		
		08/04/03	40.15	433.08		
		11/24/03	39.85	433.38		
		02/16/04	31.82	441.41		
06/21/04	39.04	434.19				
09/07/04	42.92	430.31				
12/13/04	39.43	433.80				
MW-9	477.08	07/12/99	30.71	446.37		
		09/27/99	32.61	444.47		
		12/20/99	34.99	442.09		
		03/21/00	26.75	450.33		
		06/21/00	29.28	447.80		
		09/12/00	31.65	445.43		
		12/07/00	32.67	444.41		
		03/21/01	31.47	445.61		
		06/02/01	37.40	439.68		
		09/16/02	39.13	437.95		
		12/23/02	33.89	443.19		
		03/18/03	33.66	443.42		
		06/09/03	32.65	444.43		
		08/04/03	36.09	440.99		
		11/24/03	36.03	441.05		
		02/16/04	29.61	447.47		
06/21/04	34.97	442.11				
09/07/04	38.82	438.26				
12/13/04	35.76	441.32				

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-10	471.42	07/12/99	34.60	436.82		
		09/27/99	37.62	433.80		
		12/20/99	40.04	431.38		
		03/21/00	29.50	441.92		
		06/21/00	32.19	439.23		
		09/12/00	36.19	435.23		
		12/07/00	37.24	434.18		
		03/21/01	35.77	435.65		
		06/02/01	42.25	429.17		
		09/16/02	44.03	427.39		
		12/23/02	39.02	432.40		
		03/18/03	38.40	433.02		
		06/09/03	37.34	434.08		
		08/04/03	40.78	430.64		
		11/24/03	40.18	431.24		
		02/16/04	32.19	439.23		
		06/21/04	39.45	431.97		
09/07/04	43.43	427.99				
12/13/04	39.84	431.58				
MW-11	464.93	07/12/99	31.00	433.93		
		09/27/99	33.83	431.10		
		12/20/99	35.91	429.02		
		03/21/00	26.41	438.52		
		06/21/00	28.79	436.14		
		09/12/00	32.56	432.37		
		12/07/00	33.40	431.53		
		03/21/01	31.92	433.01		
		06/20/01	38.24	426.69		
		09/16/02	39.87	425.06		
		12/23/02	35.54	429.39		
		03/18/03	34.32	430.61		
		06/09/03	33.65	431.28		
		08/04/03	37.05	427.88		
		11/24/03	36.29	428.64		
		02/16/04	28.75	436.18		
		06/21/04	35.60	429.33		
09/07/04	39.87	425.06				
12/13/04	35.88	429.05				

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-12	458.34	07/12/99	25.50	432.84		
		09/27/99	28.28	430.06		
		12/20/99	30.26	428.08		
		03/21/00	20.70	437.64		
		06/21/00	23.11	435.23		
		09/12/00	27.04	431.30		
		12/07/00	27.67	430.67		
		03/21/01	26.24	432.10		
		06/20/01	32.89	425.45		
		09/16/02	34.63	423.71		
		12/23/02	29.84	428.50		
		03/18/03	28.64	429.70		
		06/09/03	28.06	430.28		
		08/04/03	31.58	426.76		
		11/24/03	30.68	427.66		
		02/16/04	22.98	435.36		
		06/21/04	30.14	428.20		
09/07/04	34.56	423.78				
12/13/04	30.39	427.95				
MW-13	474.79	07/12/99	30.65	444.14		
		09/27/99	32.74	442.05		
		12/20/99	34.98	439.81		
		03/21/00	26.03	448.76		
		06/21/00	28.74	446.05		
		09/12/00	31.62	443.17		
		12/07/00	32.71	442.08		
		03/21/01	31.25	443.54		
		06/20/01	36.55	438.24		
		09/16/02	38.98	435.81		
		12/23/02	33.39	441.40		
		03/18/03	33.44	441.35		
		06/09/03	32.24	442.55		
		08/04/03	35.60	439.19		
		11/24/03	35.60	439.19		
		02/16/04	29.25	445.54		
		06/21/04	34.90	439.89		
09/07/04	38.75	436.04				
12/13/04	35.53	439.26				

Table C-1
 Historical Groundwater Elevations in Single-Screen Wells
 B & C Gas Mini Mart
 Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
D-1	464.70	07/12/99	30.67	434.03		
		09/27/99	35.32	429.38		
		12/20/99	36.32	428.38		
		03/21/00	27.84	436.86		
		06/21/00	30.40	434.30		
		09/12/00	34.11	430.59		
		12/07/00	33.97	430.73		
		03/21/01	32.32	432.38		
		06/20/01	41.80	422.90		
		09/16/02	43.53	421.17		
		12/23/02	37.23	427.47		
		03/18/03	35.50	429.20		
		06/09/03	36.20	428.50		
		08/04/03	39.53	425.17		
		11/24/03	35.13	429.57		
		02/16/04	29.36	435.34		
		06/21/04	38.28	426.42		
09/07/04	42.30	422.40				
12/13/04	35.82	428.88				
D-2	457.61	07/12/99	25.72	431.89		
		09/27/99	28.44	429.17		
		12/20/99	29.40	428.21		
		03/21/00	20.91	436.70		
		06/21/00	23.56	434.05		
		09/12/00	27.23	430.38		
		12/07/00	27.98	429.63		
		03/21/01	25.42	432.19		
		06/20/01	34.97	422.64		
		09/16/02	34.80	422.81		
		12/23/02	30.34	427.27		
		03/18/03	28.63	428.98		
		06/09/03	29.35	428.26		
		08/04/03	32.65	424.96		
		11/24/03	28.23	429.38		
		02/16/04	22.53	435.08		
		06/21/04	31.46	426.15		
09/07/04	35.42	422.19				
12/13/04	28.96	428.65				

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)	
(MS)MW-1	477.08	04/19/89	43.50	433.58			
		05/01/89	42.74	434.34			
		08/01/89	43.86	433.22			
		09/01/89	45.35	431.73			
		11/02/89	46.39	430.69			
		02/02/90	45.36	431.72			
		05/02/90	42.58	434.50			
		477.79	03/06/91	41.25	436.54		
			05/02/91	40.05	437.74		
			08/07/91	53.79	424.00		
			11/05/91	59.25	418.54		
			02/21/92	59.27	418.52		
			05/04/92	54.47	423.32		
			02/12/93	52.02	425.77		
			05/04/93	39.42	438.37		
			02/23/95	33.10	444.69		
			04/28/95	26.40	451.39		0.06
	06/02/95		26.16	451.63		0.01	
	06/30/95		27.06	450.73		0.01	
	07/25/95		28.55	449.24		0.05	
	08/07/95		29.49	448.30		0.04	
	08/11/95		29.81	447.98		0.03	
	08/14/95		29.75	448.04			
	08/16/95		29.95	447.84			
	08/21/96		30.34	447.45			
	08/24/95		30.62	447.17			
	09/13/95		31.92	445.87			
	09/21/95		32.53	445.26		0.18	
	07/30/98		30.37	447.42	30.35	0.02	
	11/05/98		38.01	439.78	FP		
	03/23/99		29.44	448.35	FP		
	06/08/99	31.70	446.09	FP			
	09/27/99	34.38	443.41				
	12/20/99	37.36	440.43				
	03/21/00	28.22	449.57				
	06/21/00	30.95	446.84				
	09/12/00	33.54	444.25				
	12/07/00	34.56	443.23				
	03/21/01	33.24	444.55	FP			
	06/20/01	39.35	438.44	FP			
	09/16/02	41.07	436.72	41.06	0.01		
12/23/02	35.80	441.99	FP				
03/18/03	35.82	441.97	FP				
06/09/03	34.20	443.59					
08/04/03	38.01	439.78					
11/24/03	38.01	439.78					
02/16/04	31.22	446.57					
06/21/04	37.12	440.67					
09/07/04	40.92	436.87					
12/13/04	37.83	439.96					

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)
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Notes:

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)
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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

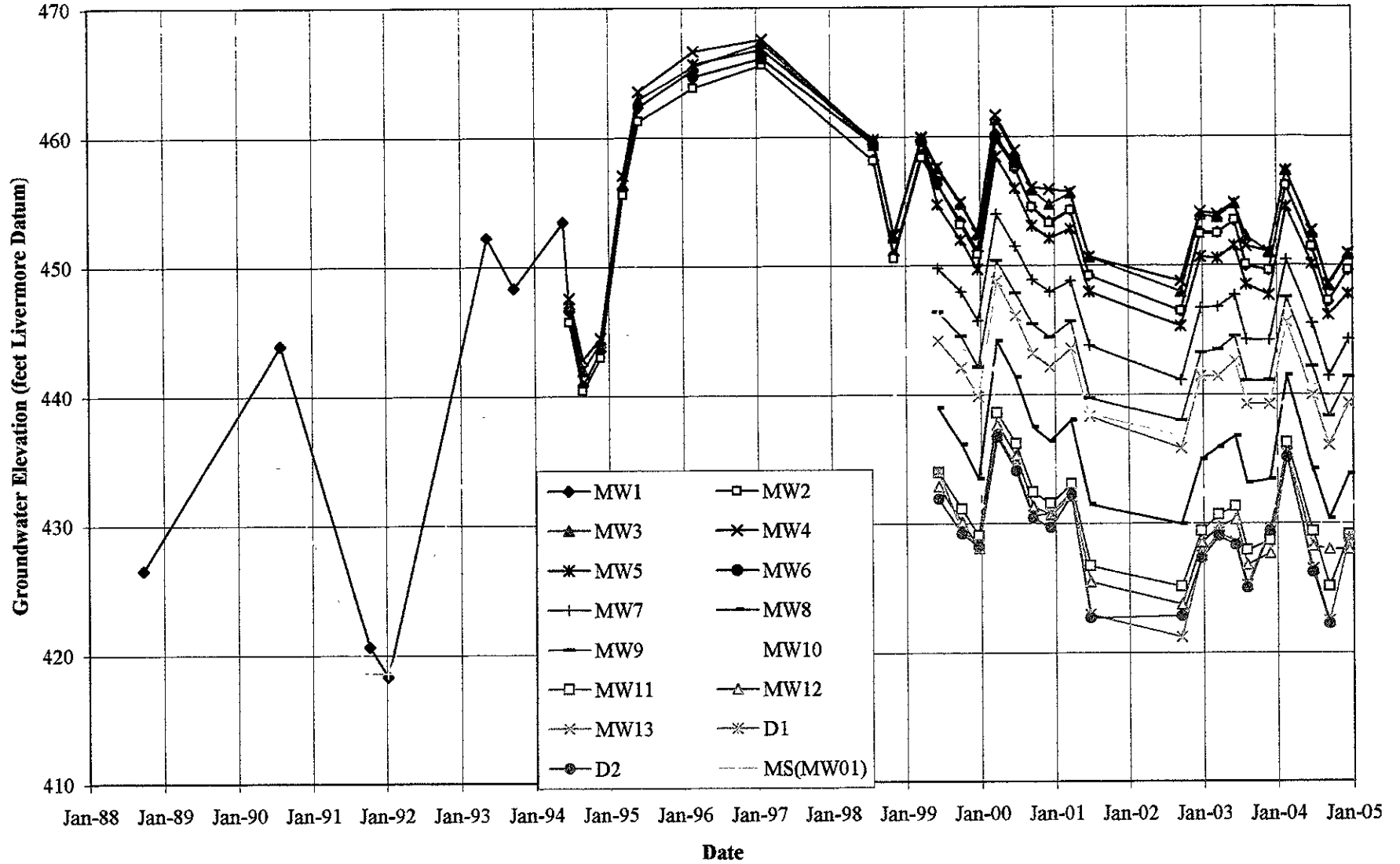


Table C-2
 Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
 B&C Gas Mini Mart
 Livermore, California

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)	
MW-1	08/02/90	24,000	1,300	1,300	400	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	10/10/91	2,000	430	170	100	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	01/08/92	1,000	200	120	30	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	05/11/93	960	66	8	41	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	09/21/93	1,900	311	118	34	112	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	05/22/94	10,000	690	1,100	340	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	08/26/94	13,000	290	690	120	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	11/22/94	19,000	400	770	230	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/13/95	6,000	900	100	980	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	06/21/95	2,400	210	380	53	280	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	09/14/95	7,800	69	1,300	220	1,200	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	02/29/96	120	4.2	1.4	4.7	5.6	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	02/01/97	NS*	NS*	NS*	NS*	NS*	NS*	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	07/30/98	1,400	26	110	57	243	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	11/05/98	6,000	230	330	240	1,060	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/23/99	6,600	280	420	240	990	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	06/08/99	1,630	70.4	51.7	54.6	138	66.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/22/00	300	17.6	14.2	9.89	40.7	7.84	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	09/13/00	1,500	105	50.7	46.5	157	45.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/19/03	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
MW-1	06/09/03	6,700	52	32	110	460	4.7	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-1	08/04/03	2,700	150	32	97	450	43	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-1	11/25/03	11,000	27	17	29	140	4.2	<0.5	<0.5	<1	<5,000	<1	<1	<1,000	NA	NA
MW-1	02/17/04	7,200	250	23	210	220	360	<0.5	<0.5	<1	<100	<1	4.6	<20	NA	NA
MW-1	06/22/04	4,800	4.9	1.1	28	110	<0.5	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
MW-1	09/07/04	12,000	34.0	5.9	100	510	7.6	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
MW-1	12/13/2004	9,600	11	<10	36	190	<10	NA	NA	NA	NA	NA	<10	NA	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

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)	
MW-2	02/29/96	57,000	2,500	650	3,700	3,100	6,500	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	
MW-2	07/30/98	NS**	NS**	NS**	NS**	NS**	NS**	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	
MW-2	03/23/99	22,000	780	880	780	1,730	300	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	
MW-2	09/28/99	18,000	992	331	901	2,140	225	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	
MW-2	03/23/00	6,340	281	184	233	348	90.2	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	
MW-2	09/13/00	18,100	981	926	1,080	2,630	239	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	
MW-2	03/01/01	18,800	1,300	790	1,150	2,250	372	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	
MW-2	09/16/02	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	
MW-2	03/20/03	10,000	608	99	1,080	NA	<200	<20	<20	<40	<2000	<40	<40	<2,000	352	27.5
MW-2	06/10/03	12,000	650	94	1,100	570	280	<50	<50	<100	<10,000	<100	<100	<2,000	NA	NA
MW-2	08/04/03	12,000	300	56	450	230	61	<12	<12	<25	<2,500	<25	<25	<500	NA	NA
MW-2	11/25/03	6,500	310	63	520	180	47	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-2	02/16/04	8,700	590	35	1,200	240	640	<2.5	<2.5	<5	<500	<5	6.1	<100	NA	NA
MW-2	06/21/04	1,200	57	5.5	49	15	13	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-2	09/08/04	4,600	300	25.0	250	88	41	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-2	12/13/2004	3,100	120	19	160	120	23	NA	NA	NA	NA	NA	<10	NA	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

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

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-3	03/23/99	6,900	100	160	110	265	220	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	06/08/99	1,210	5.4	9.0	6.9	4.3	53.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/23/00	465	4.56	1.87	6.20	7.45	15.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	09/13/00	488	37.3	5.64	7.25	15.9	160	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/19/03	2,300	118	14.6	46.1	NA	121	<0.5	<0.5	<1	<50	<1	<1	<50	24.1	7.57
MW-3	06/09/03	870	79	5.3	13	10	180	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-3	08/04/03	530	7	<2.5	6.8	4	19	<2.5	<2.5	<5	<500	<5	<5	<100	NA	NA
MW-3	11/26/03	970	33	<2.5	7.2	5.7	190	<2.5	<2.5	<5	<500	<5	<5	<100	NA	NA
MW-3	02/18/04	460	8.8	0.74	4.0	2.6	32	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-3	06/22/04	230	1.3	<0.5	1.2	0.59	7.4	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
MW-3	09/08/04	490	4.1	<0.5	2.7	1.0	16	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
MW-3	12/13/2004	180	5.4	<5.0	<5.0	<5.0	79	NA	NA	NA	NA	NA	<0.50	NA	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-4	09/08/04	<50	<0.5	<0.5	<0.5	<0.5	1.1	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 n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-4	12/13/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	<0.50	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
MW-5	02/29/96	47,000	3,400	4,200	860	4,100	20,000	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
MW-5	07/30/98	47,000	1,400	4,000	2,000	8,500	600	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
MW-5	03/23/99	36,000	1,500	2,400	1,500	5,500	900	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	06/08/99	34,500	722	1,980	1,720	7,170	765	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	09/28/99	49,100	540	2,500	1,730	8,040	255	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
MW-5	03/23/00	10,700	217	300	332	1,480	160	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
MW-5	09/13/00	41,300	780	551	1,140	3,390	243***	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
MW-5	03/01/01	NS**	NS**	NS**	NS**	NS**	NS**	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
MW-5	03/20/03	17,000	682	36.7	936	NA	250 - R	<0.5	<0.5	<1	<50	<1	<1	<50	620
MW-5	06/10/03	23,000	770	<100	1,000	680	350	<100	<100	<200	<20,000	<200	<200	<4,000	NA
MW-5	08/05/03	17,000	1,200	100	930	500	980	<25	<25	<50	<5,000	<50	<50	<1,000	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
MW-5	02/16/04	17,000	1,000	57	1,300	860	360	<2.5	<2.5	<5	<500	<5	13	<100	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
MW-5	09/08/04	18,000	1,500	130	1,600	410	840	<50	<50	<100	<10,000	<100	<100	<2,000	NA
MW-5	12/13/2004	9,600	830	64	1,100	190	280	NA	NA	NA	NA	NA	<50	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
MW-6	02/29/96	23,000	2,000	460	2,900	2,600	6,300	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	12/01/97	12,000	450	780	200	590	790	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
MW-6	11/05/98	NS*	NS*	NS*	NS*	NS*	NS*	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
MW-6	06/08/99	7,610	259	334	283	567	275	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

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

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-6	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
MW-7	12/21/99	2,630	<2.5	<2.5	13.8	44.9	26.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	03/23/00	624	<0.5	<0.5	<0.5	1.61	3.87	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	06/22/00	435	<0.5	<0.5	0.875	1.28	4.87	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/13/00	327	<0.5	<0.5	0.602	1.56	3.77	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	12/08/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	03/01/01	569	<0.5	2.05	0.533	0.701	4.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	06/01/01	3,900	3.5	14	29	55	18	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/16/02	4,500	47	6.8	99	19	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	12/23/02	860	12	1.3	7.6	1.9	45	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	03/19/03	500	15.1	1.22	15.8	NA	18.8	<0.5	<0.5	<1	<50	<1	<1	<50	<2	<1
MW-7	06/11/03	170	1.0	<1	1.8	<1	4.7	<1	<1	<2	<200	<2	<2	<40	NA	NA
MW-7	08/05/03	330	2.9	<0.5	3.9	<0.5	11	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-7	11/25/03	1,400	18	1.6	17	1.3	43	<0.5	<0.5	<1	<100	<1	1.1	<20	NA	NA
MW-7	02/17/04	210	1.1	<0.5	2.0	<0.5	5.1	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-7	06/23/04	1,500	32	<10	35	<10	80	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/08/04	2,100	20	<10	70	<10	35	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	12/14/2004	2,500	23	1.8	43	1.4	37	NA	NA	NA	NA	NA	<0.50	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

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-8	12/07/00	<50	<0.5	<0.5	<0.5	<0.5	7.83	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
MW-8	06/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	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
MW-8	12/23/02	<50	0.52	<0.5	<0.5	<0.5	<2.5	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
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
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
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
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
MW-8	12/13/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	<0.50	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
MW-9	12/21/99	NS	NS	NS	NS	NS	NS	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
MW-9	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	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
MW-9	12/23/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	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
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
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
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
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
MW-9	12/14/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	<0.50	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
MW-10	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	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
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
MW-10	06/21/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	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
MW-10	12/07/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	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
MW-10	06/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA

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

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-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-10	12/13/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	<0.50	NA	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
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

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)	
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-12	12/14/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	<0.50	NA	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
MW-13	06/11/03	77	4.0	<0.5	<0.5	<0.5	28	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-13	08/05/03	240	8.4	<5	<5	<5	65	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-13	11/25/03	170	5.6	<0.5	<0.5	<0.5	67	<0.5	<0.5	<1	<100	<1	1	<20	NA	NA
MW-13	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-13	06/23/04	<50	0.86	<0.5	<0.5	<0.5	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	09/08/04	<50	<0.5	<0.5	<0.5	<0.5	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	12/13/04	<50	<0.5	<0.5	<0.5	<0.5	13	NA	NA	NA	NA	NA	<0.50	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

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)	
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
D-2	09/08/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	12/14/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	<0.5	NA	NA	NA
(MS)MW-1	08/01/95	11,000	190	260	110	900	210	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	07/30/98	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	11/05/98	10,000	260	120	500	1,100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/23/99	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	06/08/99	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	12/21/99	661	9.7	3.5	21.7	31.1	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/23/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	06/21/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	09/13/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	12/07/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/01/01	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	06/01/01	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)
(MS)MW-1	03/19/03	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
(MS)MW-1	08/05/03	1,900	25	<10	55	<10	<10	<10	<10	<20	<2,000	<20	<20	<400	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
(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

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 n,p-Xylene (ug/l)	o-Xylene (ug/l)	
<i>SimulProbe Samples</i>																
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
<i>Hydropunch Samples</i>																
G-1	08/11/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-1	10/11/95	380	61	1	<0.5	2	80	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-2	10/11/95	14	3	<0.5	<0.5	<0.5	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-3	10/11/95	92,000	11,000	18,000	2,200	11,000	18,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-4	10/11/95	8,000	46	24	8	28	150	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-01	08/11/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-01	09/13/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-02	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-03	08/11/95	<50	10	<0.5	<0.5	<0.5	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-04	08/14/95	<50	9.2	<0.5	<0.5	4.8	29	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-05	08/11/95	<50	1,300	270	43	350	14,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-05	08/16/95	<50	340	<0.5	<0.5	80	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-06	08/14/95	<50	7,700	1,100	120	800	67,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-07	08/11/95	<50	3,200	820	740	1,900	14,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-07	09/13/95	<50	2,800	77	280	510	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-08	08/11/95	<50	3,000	89	140	230	15,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-08	09/13/95	<50	2,200	61	42	120	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-09	08/14/95	<50	<0.5	<0.5	<0.5	0.8	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-09	08/16/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
H-10	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-11	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-4	03/08/95	<50	57	33	9	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-5	03/08/95	<50	22	24	8	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B97-1	09/08/97	<50	1.2	<0.50	<0.50	<0.50	60	<0.01	<0.50	NA	NA	NA	NA	NA	NA	NA
B97-2	09/09/97	51	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
B97-3	09/09/97	58	<0.50	<0.50	<0.50	<0.50	46	<0.01	<0.50	NA	NA	NA	NA	NA	NA	NA
B97-4	09/10/97	340	<0.50	0.68	<0.50	<0.50	470	NA	NA	NA	NA	NA	NA	NA	NA	NA
B97-5	09/10/97	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
 ug/l = micrograms per liter
 TPH-G = total petroleum hydrocarbons as gasoline
 MTBE = methyl tertiary-butyl ether
 EDB = 1,2-Dibromoethane
 EDC = 1,2-Dichloroethane
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tert-butyl ether
 TAME = Tert amyl-methyl ether
 TBA = Tert-butyl alcohol
 MS = Mill Springs Park
 NA= not analyzed
 NS= not sampled
 * = well inaccessible; Well MW-6 not sampled due to an obstruction at approximately 28.5 feet below top of casing
 ** = free product hydrocarbon present
 *** = analytical result from EPA method 8260B
 ND = not detected above reporting limit, limit not available
 < = less than method reporting limit
 R = sample re-analyzed past recommended hold time to correct previous result.
 Some analytical results may not be included in this table, as the results were not available when the data was compiled

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

Well No.	Zone No.	Top-of-Casing Elevation (feet, MSL)	August 11, 2003		August 12, 2003		August 13, 2003		August 18, 2003		August 19, 2003		August 21, 2003	
			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)
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)	November 24, 2003		February 16, 2004		June 21, 2004		September 7, 2004		December 13, 2004	
			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)
CMT-1	Z1	469.51	41.77	427.74	32.97	436.54	40.62	428.89	45.29	424.22	41.18	428.33
	Z2		41.89	427.62	34.44	435.07	41.52	427.99	45.89	423.62	41.60	427.91
	Z3		41.84	427.67	34.34	435.17	41.55	427.96	45.83	423.68	41.64	427.87
	Z4		39.27	430.24	32.89	436.62	41.04	428.47	45.20	424.31	39.77	429.74
	Z5		39.20	430.31	32.85	436.66	41.07	428.44	45.46	424.05	39.70	429.81
	Z6		39.25	430.26	32.96	436.55	41.17	428.34	45.30	424.21	39.82	429.69
	Z7		40.85	428.66	34.18	435.33	43.72	425.79	47.79	421.72	41.13	428.38
CMT-2	Z1	470.14	41.45	428.69	31.68	438.46	39.55	430.59	Dry	Dry	40.68	429.46
	Z2		41.62	428.52	34.10	436.04	41.37	428.77	44.58	425.56	41.46	428.68
	Z3		41.60	428.54	34.13	436.01	41.40	428.74	45.75	424.39	41.50	428.64
	Z4		39.71	430.43	33.25	436.89	41.30	428.84	46.60	423.54	40.14	430.00
	Z5		39.89	430.25	33.18	436.96	41.29	428.85	47.71	422.43	40.07	430.07
	Z6		39.59	430.55	33.27	436.87	41.45	428.69	47.86	422.28	40.16	429.98
	Z7		39.68	430.46	33.43	436.71	41.76	428.38	48.33	421.81	40.33	429.81
CMT-3	Z1	473.44	40.92	432.52	32.83	440.61	39.85	433.59	Dry	Dry	40.60	Dry
	Z2		40.88	432.56	32.91	440.53	37.65	435.79	44.58	428.86	40.63	432.81
	Z3		41.99	431.45	34.20	439.24	41.28	432.16	45.75	427.69	41.71	431.73
	Z4		42.21	431.23	35.43	438.01	41.82	431.62	46.60	426.84	42.43	431.01
	Z5		43.03	430.41	35.63	437.81	42.52	430.92	47.71	425.73	42.60	430.84
	Z6		42.64	430.80	35.63	437.81	43.77	429.67	47.86	425.58	42.68	430.76
	Z7		43.53	429.91	35.27	438.17	43.38	430.06	48.33	425.11	42.68	430.76
CMT-4	Z1	483.38	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	25.54	Dry
	Z2		33.92	449.46	27.45	455.93	31.96	451.42	35.94	447.44	33.74	449.64
	Z3		33.64	449.74	27.09	456.29	31.76	451.62	35.88	447.50	33.49	449.89
	Z4		33.55	449.83	27.13	456.25	31.87	451.51	36.00	447.38	33.52	449.86
	Z5		33.64	449.74	27.11 ¹	456.27	31.85	456.27	35.99	456.27	33.52	456.27
	Z6		38.44	444.94	31.57	451.81	37.35	446.03	42.13	441.25	38.44	444.94
	Z7		40.82	442.56	32.50	450.88	38.00	445.38	42.63	440.75	39.69	443.69

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	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl tert-butyl ether	1,2-Dibromoethane	1,2-Dichloroethane	Di-isopropyl ether	Ethanol	Ethyl tert-butyl ether	tert-Amyl methyl ether	tert-Butyl alcohol
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(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	NS	NS	NS	NS	NS	NS	NS
	Z1	12/13/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NS	NS	<0.5	NS
	Z2	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	2.9	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	6/22/2004	<50	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	9/8/2004	<50	<0.5	<0.5	<0.5	<0.5	0.72	NS	NS	NS	NS	NS	NS	NS
	Z2	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	0.71	NS	NS	NS	NS	NS	<0.50	NS
	Z3	8/11/2003	<50	<0.5	<0.5	<0.5	<0.5	0.59	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/3/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<2	<20
	Z3	12/14/2004	<50	<0.50	<0.50	<0.50	<0.50	<0.5	NS	NS	NS	NS	NS	<0.5	NS
	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	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl tert-butyl ether	1,2-Dibromoethane	1,2-Dichloroethane	Di-isopropyl ether	Ethanol	Ethyl tert-butyl ether	tert-Amyl methyl ether	tert-Butyl alcohol
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(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
	Z1	12/15/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	38	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	49	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	2/19/2004	<50	<0.5	<0.5	<0.5	<0.5	2.9	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	6/22/2004	<50	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	9/9/2004	<50	<0.5	<0.5	<0.5	<0.5	0.83	NS	NS	NS	NS	NS	NS	NS
	Z2	12/15/2004	<50	<0.5	<0.5	<0.5	<0.5	0.57	NS	NS	NS	NS	NS	<0.50	NS
	Z3	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	2/19/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/15/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	NS	NS	NS	<0.50	NS
	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
	Z4	12/15/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	NS	NS	NS	<0.50	NS
	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	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl tert-butyl ether	1,2-Dibromoethane	1,2-Dichloroethane	Di-isopropyl ether	Ethanol	Ethyl tert-butyl ether	tert-Amyl methyl ether	tert-Butyl alcohol
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(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
	Z1	12/14/2004	<50	<0.5	<0.5	<0.5	<0.5	72*	NS	NS	NS	NS	<0.50	NS	NS
	Z2	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	34	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	12/9/2003	<50	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	4.2	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	6/22/2004	<50	<0.5	<0.5	<0.5	<0.5	2.9	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	9/9/2004	<50	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	12/14/2004	<50	<0.5	<0.5	<0.5	<0.5	0.67	NS	NS	NS	NS	<0.50	NS	NS
	Z2**	12/14/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	NS	NS	<0.50	NS	NS
	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
	Z3	12/15/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NS	NS	NS	NS	<0.50	NS	NS
	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	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl tert-butyl ether	1,2-Dibromoethane	1,2-Dichloroethane	Di-isopropyl ether	Ethanol	Ethyl tert-butyl ether	tert-Amyl methyl ether	tert-Butyl alcohol
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(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
	Z2	12/15/2004	12,000	2,900	660	140	420	4,100	NS	NS	NS	NS	NS	<50	NS
	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
	Z3	12/14/2004	320	62	26	3.1	9.1	6.4	NS	NS	NS	NS	NS	<1	NS
	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
	Z4	12/14/2004	120	29	13	1.3	4.7	4.2	NS	NS	NS	NS	NS	<1	NS
	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
	Z5	12/14/2004	74	160(E)	230(E)	66(E)	310(E)	100(E)	NS	NS	NS	NS	NS	<1	NS
	Z5***	12/14/2004	74	<2.5	4.4	3.0	0.81	150	NS	NS	NS	NS	NS	<1	NS
	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

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	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl tert-butyl ether	1,2-Dibromoethane	1,2-Dichloroethane	Di-isopropyl ether	Ethanol	Ethyl tert-butyl ether	tert-Amyl methyl ether	tert-Butyl alcohol
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)

Notes on next page.

Notes:

mg/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.

*- (HT-RA)- This sample was originally analyzed within the EPA recommended holding time. Re-analysis for confirmation or dilution was performed past the recommended holding times.

**-(HT-RQ)- This sample was originally analyzed within the EPA recommended holding time but QA/QC criteria was outside limits. Re-analysis was performed past the recommended holding times.

***- (HT-RE)- This sample was re-extracted beyond the EPA holding time.