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Quarterly Groundwater Monitoring Report
Fourth Quarter 2005

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

SECOR Project No.: 77EL.20244.05

Submitted by:
SECOR International Incorporated
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400

Prepared on behalf of:
7-Eleven, Inc.
Mr. Ken Hilliard
P.O. Box 711
Dallas, TX 75221-0711

February 1, 2006

DATE: February 1, 2006

7-ELEVEN, INC. QUARTERLY REPORT

Store Number:	**7-Eleven Store #20244**
Site Address:	3625 MacDonald Avenue, Richmond, CA
7-Eleven Contact:	Mr. Ken Hilliard
Consulting Company:	SECOR International, Inc. – Mr. Jaff Auchterlonie
SECOR Project No.:	77EL.20244.05
Primary Agency:	California Regional Water Quality Control Board - San Francisco Bay Region (CRWQCB – SFBR)

WORK PERFORMED THIS QUARTER [Fourth – 2005]

1. Conducted groundwater monitoring and sampling of five wells on December 7, 2005.
2. Prepared quarterly monitoring and sampling report.

WORK PROPOSED FOR NEXT QUARTER [First – 2006]

1. Conduct quarterly groundwater monitoring and sampling.
2. Continue periodic oxygen injection into the onsite wells.
3. Prepare quarterly monitoring and sampling report.
4. Submit Risk Based Corrective Action Report to CRWQCB – SFBR.

DISCUSSION

The site is a 7-Eleven convenience store and former gasoline service station (Figures 1 and 2). Underground storage tanks (USTs) no longer exist at the site. Monitoring and sampling have been conducted at the site since the first quarter of 1999. The current groundwater monitoring and sampling data are summarized in Table 1, and presented in Figures 2 and 3. Historical groundwater monitoring and sampling results are summarized in Table 2. Well completion details are summarized in Table 3.

Current Site Information	
Current Phase of Project:	Groundwater Monitoring
Frequency of Monitoring and Sampling:	Quarterly, Five wells - MW-1 through MW-5
Are Liquid Phase Hydrocarbons Present On-site:	No
Water Supply Wells within a 2,000-foot radius and their Respective Direction:	None
Current Remediation Techniques:	Continued Oxygen Injection Feasibility Testing
Permits for Discharge:	None
Historic Range in Depth to Water, Q3-03 to Q4-05	MW-1, 8.15 to 19.99 feet bgs
Current Quarter Monitoring Data	(See Figure 2 and Table 1)
Wells Monitored and Sampled:	Five wells- MW-1 through MW-5
Dissolved Oxygen Concentrations Measured In:	Five wells- MW-1 through MW-5
Depth to Groundwater (DTW)	13.06 to 14.52 ft bgs

Average Change in Groundwater Elevation Since Last Event:	0.75 foot increase
Groundwater Flow Direction and Gradient:	South-Southeast @ 0.01 foot per foot (Figure 2)
Current Quarter Analytical Data	(See Figure 3 and Table 1)
Maximum TPHg Concentrations	MW-2, 2,500 µg/L
Maximum Benzene Concentrations	MW-3, 5.9 µg/L
Maximum MtBE Concentrations	MW-3, 1,700 µg/L
Maximum TBA Concentrations	MW-3, 180 µg/L

BACKGROUND

On May 20, 1998, Fluor Daniel GTI supervised the advancement of four Geoprobe borings (GP-1 through GP-4) adjacent to the two 10,000-gallon USTs at the site. The work was required by the Contra Costa Environmental Health Department (CCEHD) prior to a proposed re-lining of the two 10,000-gallon USTs as part of a fuel system upgrade at the site. Soil sample analytical data indicated maximum benzene and total petroleum hydrocarbons as gasoline (TPHg) concentrations of 0.048 milligrams per kilogram (mg/kg) and 1.3 mg/kg, respectively. Methyl-tert-butyl ether (MtBE) was detected at a maximum concentration of 0.62 mg/kg. Grab groundwater samples collected from the bases of the borings contained up to 19 micrograms per liter (µg/L) benzene, 11,000 µg/L TPHg, and 4,800 µg/L MtBE. Based on analytical data from the Geoprobe borings, permit approval to upgrade/reline the USTs at the site was denied by the CCEHD, and the tanks were subsequently removed from the site.

On December 16, 1998, two 10,000-gallon USTs and one 6,000-gallon UST (with associated product piping) were removed from the site, and were not replaced. Analytical results of nine soil samples collected indicated that the highest residual benzene (0.0156 mg/kg), TPHg (110 mg/kg), MtBE (1.59 mg/kg) and tert-butyl alcohol (TBA) (0.865 mg/kg) concentrations were detected beneath the eastern end of the tank excavation and beneath the southern end of the fuel dispenser island.

To remove as much hydrocarbon adsorbed to soil as possible, the floor of the UST pit was excavated to a depth of 14.5 feet bgs, and the dispenser island area was excavated to a depth of 5 feet bgs. Maximum concentrations of benzene (0.2 mg/kg) and TPHg (68 mg/kg) were detected beneath the south end of the dispenser island excavation. The highest MtBE concentration (7.3 mg/kg) was detected beneath the southeast corner of the UST excavation. The southern end of the dispenser island excavation was further excavated to 8.5 feet bgs. A soil sample collected from the floor of the excavation contained a low concentration of MtBE (0.28 mg/kg) and did not contain detectable benzene and TPHg concentrations.

The RWQCB requested further assessment based upon the initial site investigation results. On January 22, 1999, IT Corporation supervised the installation of three 2-inch diameter

groundwater monitoring wells (MW-1, MW-2, and MW-3). Benzene, TPHg, and MtBE concentrations in soil ranged up to 9.19 mg/kg, 1,330 mg/kg, and 12 mg/kg, respectively.

In September 1999, six Geoprobe soil borings (SB-1 through SB-6) were advanced at the site to total depths of between 19.5 and 28 feet bgs. TPHg was reported in soil at concentrations up to 20.4 mg/kg. Benzene, MtBE, and other oxygenates were not detected above laboratory reporting limits in the soil samples. Grab groundwater samples collected at the total depth of each boring contained dissolved concentrations ranging up to 1.12 µg/L benzene, 6.93 µg/L TPHg, and 6.79 µg/L MtBE (IT Corporation, 1999).

On August 24, 2001, IT Corporation supervised the installation of two 2-inch diameter groundwater monitoring wells (MW-4 and MW-5). Benzene and MtBE were not detected in soil at concentrations above laboratory reporting limits. TPHg concentrations in soil ranged from non-detectable to 12 mg/kg in sample MW-5 @ 10-10.5.

On September 14, 2004, SECOR submitted a Work Plan for Remediation Well Install and Oxygen Injection Feasibility Test to the RWQCB. The work plan proposed the installation of three oxygen injection wells (I-1 through I-3), and conducting an oxygen injection feasibility test. The work plan was approved by the RWQCB in a letter dated October 4, 2004. Oxygen injection wells I-1 through I-3 were installed on December 14-15, 2004.

A *Well Installation and Oxygen Injection Feasibility Test Report* was submitted to the RWQCB on February 18, 2005. In the report, SECOR recommended conducting periodic oxygen injection into wells I-1 through I-3 through the second quarter 2005.

MONITORING AND SAMPLING PROCEDURES

The depth to water was measured to within 0.01 feet bgs in monitoring wells MW-1 through MW-5 from the top of casing (TOC) using a water level indicator. Dissolved oxygen concentrations were also measured in each well using a YSI Model 550A dissolved oxygen meter equipped with a down hole sensor

Well purging and sampling equipment was thoroughly cleaned prior to purging and sampling each well. The sampling procedure for each well included measuring the water level and checking for the presence of liquid-phase hydrocarbons (LPH), using either an electronic indicator and a clear Teflon® bailer or an oil-water interface probe. Wells not containing LPH were purged of approximately three casing volumes of water (or to dryness) using a submersible pump or bailer. The equipment and purging methods used for the current sampling event are noted on the field data sheets in Attachment A. During purging, temperature, pH, and electrical conductivity were monitored. After purging, water levels were allowed to recover to 80% of the original levels prior to collection of the water sample. Groundwater samples were collected using a disposable Teflon® bailer, placed into appropriate Environmental Protection Agency (EPA) approved containers, labeled, logged onto chain-of-custody documents, and transported on ice to a California state-certified laboratory. Copies of the field notes are presented in Attachment A.

GROUNDWATER SAMPLE ANALYSES AND RESULTS

The groundwater samples collected from MW-1 through MW-5 were analyzed for TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), and fuel oxygenates MtBE, TBA, diisopropyl ether (DIPE), ethyl-tert-butyl ether (EtBE), and tert-amyl-methyl ether (TAME) by EPA Method 8260B. The certified laboratory analytical report and chain-of-custody documentation are presented as Attachment B.

Groundwater analytical results are presented on Figure 3, and are summarized in Tables 1 and 2. Dissolved concentrations of Benzene, TPHg and MtBE in onsite well MW-3, located adjacent to and immediately downgradient of the former UST pit, continued to decrease during the fourth quarter 2005.

REMEDIATION TESTING

Since January 11, 2005, SECOR has been conducting periodic oxygen injection into wells I-1 through I-3 to determine the effectiveness of oxygen injection as a viable remedial approach. On October 4, October 18, November 1, November 15, November 28, December 13 and December 28, 2005, SECOR field personnel conducted oxygen injection into the onsite injection wells. During the events, 150 ft^3 of oxygen was injected into each well (Table 4). Dissolved oxygen (DO) concentrations were measured before and after the injection event in each onsite monitoring well. During the fourth quarter 2005, the highest DO increase was observed in well MW-3 which increased from 15.1 milligrams per liter (mg/L) to 37.7 mg/L on December 28, 2005 (Table 5). Field notes are in Attachment C.

Due to the significant increase in dissolved oxygen and corresponding decreases in Benzene, TPHg and MtBE concentrations in MW-3, oxygen injection is considered to be an appropriate remedial method at the site. Pending submission of a Tier I/II RBCA analysis to the RWQCB during the first quarter 2006, a modified corrective action plan will be submitted to present a site specific remediation plan based on the results of the feasibility test, historical site data, and the RBCA analysis. SECOR will continue biweekly oxygen injection during the first quarter 2006.

PURGE AND RINSATE WATER DISPOSAL

Water generated during well sampling and equipment cleaning was pumped into a SECOR truck-mounted water tank. The water was transferred into properly labeled 55-gallon drums and stored on-site. The drummed non-hazardous petroleum hydrocarbon contaminated water is transported quarterly by Belshire Environmental to DeMenno Kerdoon in Compton, California, for disposal.

Sincerely,
SECOR International Incorporated

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Staff Geologist

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Damon Brown
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Reviewed by:

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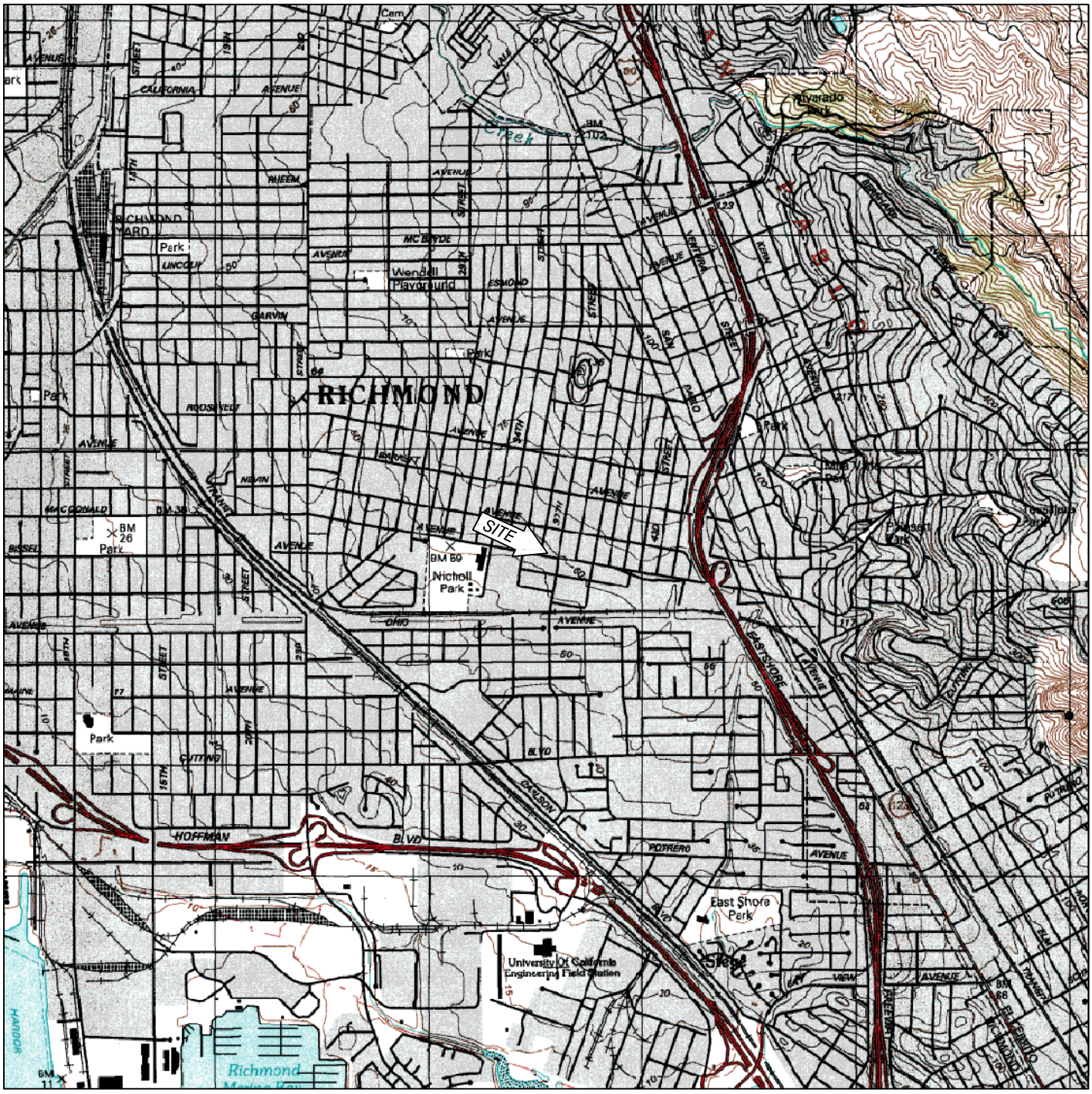
STATE OF CALIFORNIA

ATTACHMENTS
Figures
Tables
Attachment A – Monitoring and Sampling Field Notes
Attachment B – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation
Attachment C – Oxygen Injection Field Notes

cc: Ms. Barbara Sieminski, Regional Water Quality Control Board, San Francisco Bay Region
Mr. Paul Andrews, Contra Costa County Environmental Health Division
Mr. John Wainwright, SECOR, 308 East 4500 South, Suite 100, Murray, Utah 84107-3957

FIGURES



1 1/2 0 1

SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, MONTEREY, CALIFORNIA

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FOR:
7-ELEVEN
STORE #20244

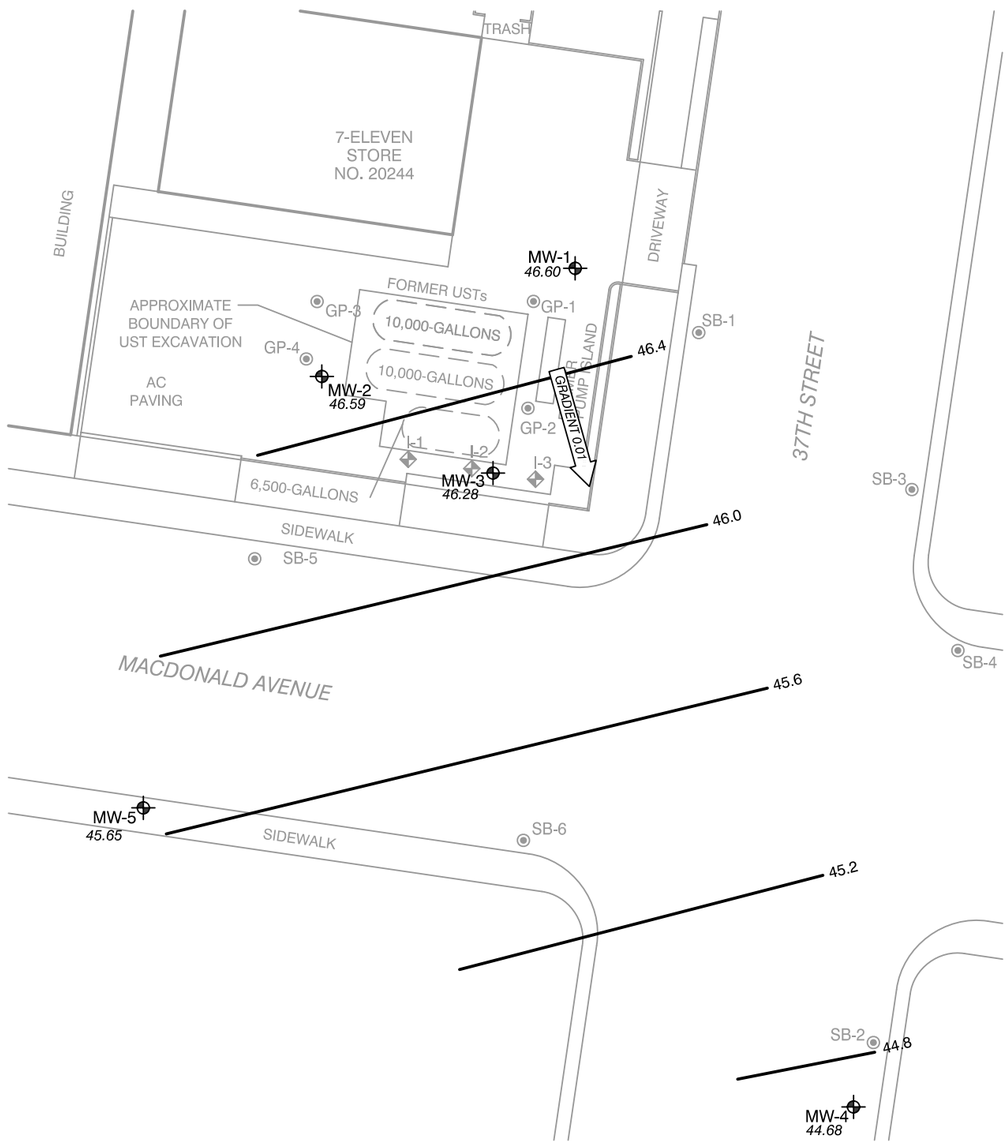
3625 MacDONALD AVENUE
RICHMOND, CALIFORNIA

SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77EL-20244.05	MDR	JSA	JSA	3/28/05

Q:\CADD-7/7-Eleven\20244\20244 TOPO.dwg, 1/31/2006 9:03:45 AM, hramirez



LEGEND:

- MONITORING WELL
- SOIL BORING
- I-1 OXYGEN INJECTION WELL
- GRADIENT — APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT FT/FT
- 0.0 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- 0.0 — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

N

0 30 60

SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON A "SITE PLAN" PROVIDED BY SHAW E & I, INC., DATED SEPTEMBER 2002, AND IS INTENDED FOR ILLUSTRATION ONLY.

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FOR:
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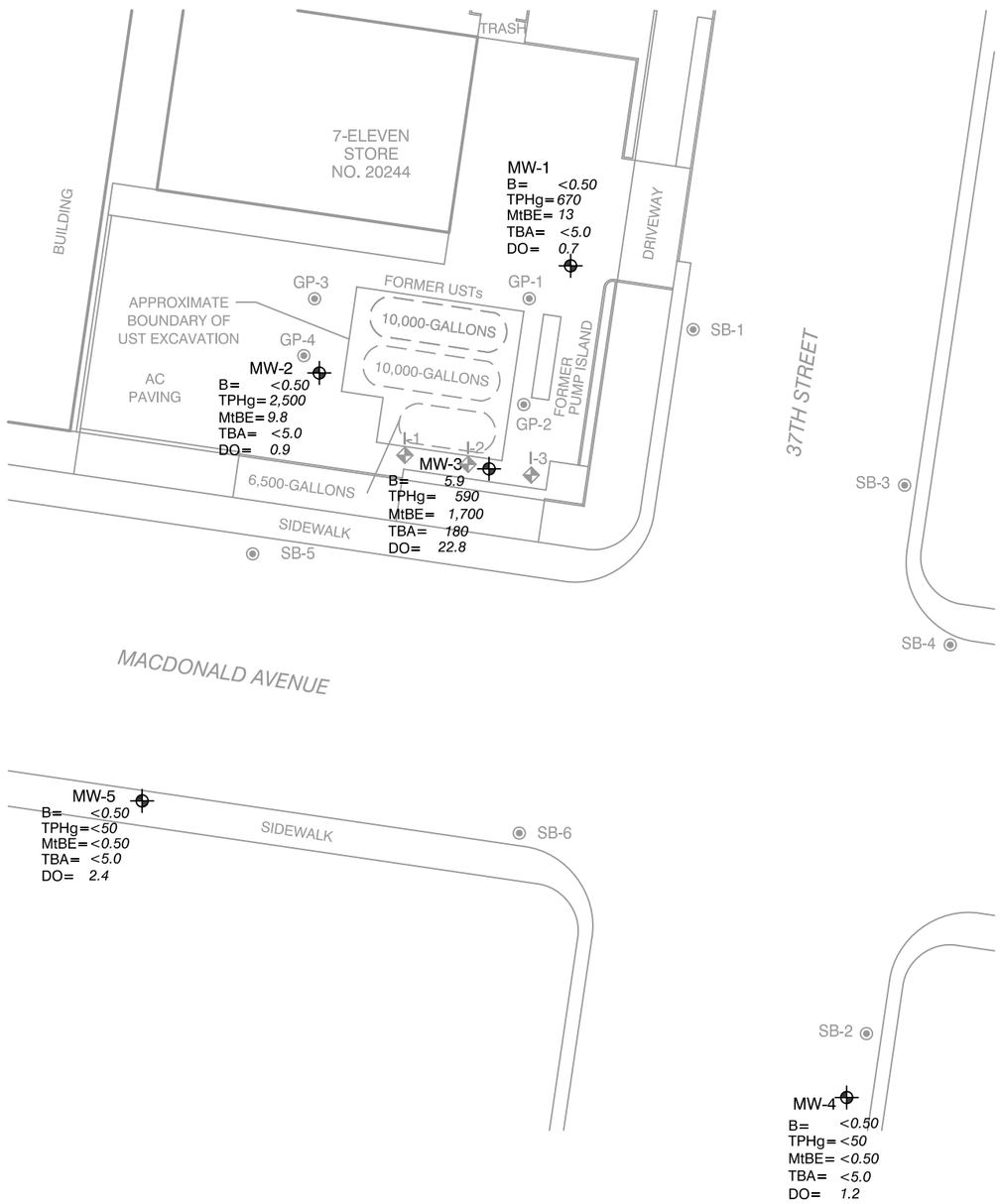
STORE NO. 20244
3625 MacDONALD AVENUE
RICHMOND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP DECEMBER 7, 2005

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77EL.20244.05	MDR	CR	DB	4/07/05



LEGEND:

⌖	MONITORING WELL
◉	SOIL BORING
I-1	OXYGEN INJECTION WELL
B	BENZENE (µg/L)
TPHg	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (µg/L)
MtBE	METHYL-TERT-BUTYL-ETHER (µg/L)
TBA	TERT-BUTYL ALCOHOL (µg/L)
DO	DISSOLVED OXYGEN (mg/L)
µg/L	MICROGRAMS PER LITER
mg/L	MILLIGRAMS PER LITER

N

0 30 60

SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON A "SITE PLAN" PROVIDED BY SHAW E & I, INC., DATED SEPTEMBER 2002, AND IS INTENDED FOR ILLUSTRATION ONLY.

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FOR:
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STORE NO. 20244
3625 MacDONALD AVENUE
RICHMOND, CALIFORNIA

GROUNDWATER HYDROCARBON CONCENTRATION MAP DECEMBER 7, 2005

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77EL.20244.05	MDR	BH	DB	4/07/05

TABLES

Table 1
Fourth Quarter 2005 Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-1 59.86	12/07/05	<0.50	<0.50	<0.50	<0.50	**670**	**13**	<5.0	**4.4**	<0.50	<0.50	c	0.7	13.26	0.00	46.60
MW-2 59.65	12/07/05	<0.50	<0.50	<0.50	<0.50	**2,500**	**9.8**	<5.0	**1.0**	<0.50	<0.50	c	0.9	13.06	0.00	46.59
MW-3 59.59	12/07/05	**5.9**	<3.0	**25**	<3.0	**590**	**1,700**	**180**	<3.0	<3.0	<3.0		22.8	13.31	0.00	46.28
MW-4 59.20	12/07/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50		1.2	14.52	0.00	44.68
MW-5 58.94	12/07/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	e	2.4	13.29	0.00	45.65

Explanation

TPHg = Total petroleum hydrocarbons-as-gasoline
MtBE = Methyl-tert-butyl ether
TBA = Tert-butanol
DIPE = Diisopropyl ether
EtBE = Ethyl-tert-butyl ether
TAME = Tert-amyl-methyl ether
DTW = Depth to water
SPT = Separate-phase hydrocarbon thickness
WTE = Water table elevation
TOC = Top of casing elevation in feet above mean sea level
µg/L = micrograms per liter
mg/L = milligrams per liter

Notes:

Samples analyzed by EPA Method 8260B

c = Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for samples MW-1and MW-2
e = Matrix Spike/Matrix Spike Duplicate Results for the analyte Benzene were affected by the analyte concentration already present in the un-spiked sample.

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE 8020 (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
Geoprobe Water Samples																			
GP-1W	05/20/98	**12**	**7.9**	**15**	**0.68**	**1,400**	**83**	--	--	--	--	--	--	--		--	--	--	--
GP-2W	05/20/98	**19**	**72**	**29**	**72**	**11,000**	**6,500**	**4,800**	<5,000	<250	<250	<250	--	--		--	--	--	--
GP-3W	05/20/98	**2.5**	**1.1**	<0.5	<0.6	**470**	**55**	--	--	--	--	--	--	--		--	--	--	--
GP-4W	05/20/98	**0.5**	**2.4**	**11**	**43**	**1,400**	**2,500**	--	--	--	--	--	--	--		--	--	--	--
Soil Boring Water Samples																			
SB-1W	09/17/99	<0.3	<0.3	<0.3	<0.6	**121**	<5	<5	<20	<5	<5	<5	--	--		--	--	--	--
SB-2W	09/17/99	**0.78**	**1.16**	<0.3	**1.17**	<50	**6.93**	**6.79**	<20	<5	<5	<5	--	--		--	--	--	--
SB-3W	09/17/99	**1.12**	<0.3	**0.53**	**1.68**	**105**	<5	<5	<20	<5	<5	<5	--	--		--	--	--	--
SB-4W	09/17/99	<0.3	**3.65**	**0.85**	**4.6**	**781**	<5	<5	<20	<5	<5	<5	--	--		--	--	--	--
SB-5W	09/17/99	<0.3	**0.5**	<0.3	<0.6	**199**	**5.57**	**5.61**	<20	<5	<5	<5	--	--		--	--	--	--

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE 8020 (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
Monitoring Well Samples																			
MW-1																			
59.86	03/19/99	<0.3	<0.3	<0.3	<0.6	**185**	--	**33.6**	<20	**10.4**	<5	<5	--	--		1.5	10.34	0.00	49.52
	05/31/99	<0.3	<0.3	<0.3	<0.6	**465**	--	**105**	<20	**18.6**	<5	<5	--	--		1.0	12.77	0.00	47.09
	09/15/99	**1.55**	**0.38**	**0.48**	**1.43**	**254**	**56.4**	**47.9**	<20	**14.5**	<5	<5	--	--		--	14.60	0.00	45.26
	12/14/99	**1.31**	**0.93**	**1.32**	<0.6	**351**	**51.6**	**34.7**	<20	**23.2**	<5	<5	<1	<1		1.6	19.99	0.00	39.87
	03/01/00	<0.3	<0.3	<0.3	<0.6	**249**	**10.9**	**13.2**	<20	<5	<5	<5	--	--	a	1.7	8.15	0.00	51.71
	03/29/00	--	--	--	--	--	--	--	--	--	--	--	--	--		--	10.66	0.00	49.20
	06/05/00	<0.5	<0.5	<0.5	<1	**140**	--	**29**	<50	**7.8**	<2	<2	--	--		1.2	12.50	0.00	47.36
	09/18/00	<0.5	<0.5	<0.5	<1	**360**	--	**55**	<120	**26**	<5	<5	--	--		0.3	14.30	0.00	45.56
	12/04/00	<0.5	<0.5	<0.5	<1.5	**180**	--	**21**	<120	**18**	<5	<5	--	--		0.4	14.50	0.00	45.36
	03/12/01	<0.5	<0.5	<0.5	<1	**120**	--	**13**	<50	<2	<2	<2	--	--		0.5	10.30	0.00	49.56
	06/05/01	**0.7**	<0.5	<0.5	**1**	**170**	--	**56**	<50	**20**	<2	<2	--	--		0.6	14.00	0.00	45.86
	09/21/01	<0.5	<0.5	<0.5	<0.5	<50	--	**130**	**23**	**26**	<5	<5	--	--		0.6	15.70	0.00	44.16
	12/05/01	<0.5	<0.5	<0.5	<0.5	<50	--	**14**	<20	**7.4**	<5	<5	--	--		1.5	11.60	0.00	48.26
	03/01/02	<0.5	<0.5	<0.5	<0.5	<50	--	**35**	<20	**18**	<5	<5	--	--		1.3	11.91	0.00	47.95
	06/06/02	<0.5	<0.5	<0.5	<0.5	**180**	**35**	**31**	<10	**13**	<1	<1	--	--		--	13.35	0.00	46.51
	09/06/02	<0.5	**0.85**	<0.5	<0.5	**190**	**27**	**27**	**7.4**	**13**	<0.5	<0.5	--	--		1.1	14.82	0.00	45.04
	11/22/02	<0.5	<0.5	<0.5	<0.5	**400**	--	**13**	<5	**9.9**	<0.5	<0.5	--	--		1.0	14.82	0.00	45.04
	03/26/03	<0.50	<0.50	<0.50	<0.50	**870**	--	**34**	<5.0	**6.3**	<0.50	<0.50	--	--	c	0.3	11.91	0.00	47.95
	06/02/03	<0.50	<0.50	<0.50	<0.50	**850**	--	**53**	**6.4**	**11**	<0.50	<0.50	--	--	c	1.4	12.74	0.00	47.12
	09/02/03	<0.50	<0.50	<0.50	<0.50	**730**	--	**25**	<5.0	**9.5**	<0.50	<0.50	--	--	b,c	0.9	14.18	0.00	45.68
	12/22/03	<0.50	<0.50	<0.50	<0.50	**640**	--	**9.9**	<5.0	**5.1**	<0.50	<0.50	--	--	c	1.1	12.20	0.00	47.66
	03/10/04	<0.50	<0.50	<0.50	<0.50	**380**	--	**24**	<5.0	**7.3**	<0.50	<0.50	--	--	c	0.3	10.66	0.00	49.20
	06/16/04	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--
	09/27/04	<0.50	<0.50	<0.50	<0.50	**460**	--	**22**	<5.0	**19**	<0.50	<0.50	--	--	c	0.4	14.95	0.00	44.91
	12/15/04	<0.50	<0.50	<0.50	<0.50	**590**	--	**15**	<5.0	**3.5**	<0.50	<0.50	--	--	c	2.4	12.14	0.00	47.72
	03/21/05	<0.50	<0.50	<0.50	<0.50	**610**	--	**16**	<5.0	**4.4**	<0.50	<0.50	--	--	c, e	2.8	10.30	0.00	49.56
	06/06/05	<0.50	<0.50	<0.50	<0.50	**740**	--	**16**	**5.2**	**14**	<0.50	<0.50	--	--	c	1.7	12.15	0.00	47.71
	09/26/05	<0.50	<0.50	<0.50	<0.50	**730**	--	**11**	<5.0	**4.1**	<0.50	<0.50	--	--	c	3.2	14.15	0.00	45.71
	12/07/05	<0.50	<0.50	<0.50	<0.50	**670**	--	**13**	<5.0	**4.4**	<0.50	<0.50	--	--	c	0.7	13.26	0.00	46.60

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE 8020 (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-2																			
59.65	03/19/99	<0.3	<0.3	<0.3	<0.6	**384**	--	**83.9**	<20	<5	<5	<5	--	--		1.8	10.16	0.00	49.49
	05/31/99	<0.3	<0.3	<0.3	<0.6	**578**	--	**262**	<80	<20	<20	<20	--	--		1.7	12.60	0.00	47.05
	09/15/99	**1.75**	**0.44**	**1.06**	**1.56**	**362**	**271**	**335**	<20	<5	<5	<5	--	--		--	14.44	0.00	45.21
	12/14/99	**1.03**	**0.57**	**1.05**	<0.6	**566**	**296**	**296**	<40	<10	<10	<10	<2	<2		1.8	20.04	0.00	39.61
	03/01/00	<0.3	<0.3	<0.3	<0.6	**434**	**63.3**	**71**	<20	<5	<5	<5	--	--	a	1.8	8.10	0.00	51.55
	03/29/00	--	--	--	--	--	--	--	--	--	--	--	--	--		--	10.48	0.00	49.17
	06/05/00	<5	<5	<5	<10	**400**	--	**500**	<500	<20	<20	<20	--	--		1.5	12.33	0.00	47.32
	09/18/00	<0.5	<0.5	<0.5	<1	**920**	--	**800**	<620	<25	<25	<25	--	--		0.4	14.16	0.00	45.49
	12/04/00	<0.5	<0.5	<0.5	<1.5	**480**	--	**400**	<620	<25	<25	<25	--	--		0.5	14.37	0.00	45.28
	03/12/01	<0.5	<0.5	<0.5	<1	**300**	--	**150**	<100	<2	<4	<4	--	--		0.7	10.12	0.00	49.53
	06/05/01	**1.5**	<1	**1.9**	<2	**440**	--	**410**	<250	<10	<10	<10	--	--		0.8	13.85	0.00	45.80
	09/21/01	**1.6**	**0.67**	<0.5	**0.52**	<50	--	**390**	<100	<25	<25	<25	--	--		0.5	15.52	0.00	44.13
	12/05/01	<0.5	<0.5	<0.5	<0.5	<50	--	**130**	<20	<5	<5	<5	--	--		1.0	11.50	0.00	48.15
	03/01/02	<0.5	<0.5	<0.5	<0.5	<50	--	**180**	<20	<5	<5	<5	--	--		1.2	11.75	0.00	47.90
	06/06/02	<0.5	<0.5	<0.5	<0.5	**400**	**120**	**120**	<25	<2.5	<2.5	<2.5	--	--		--	13.18	0.00	46.47
	09/06/02	<0.5	<0.5	<0.5	<0.5	**390**	**93**	**130**	<25	<2.5	<2.5	<2.5	--	--		1.1	14.64	0.00	45.01
	11/22/02	<0.5	<0.5	<0.5	<0.5	**670**	--	**78**	<5	**1.3**	<0.5	<0.5	--	--		0.9	14.80	0.00	44.85
	03/26/03	<0.50	<0.50	<0.50	<0.50	**1,800**	--	**45**	<5.0	**0.98**	<0.50	<0.50	--	--	c	0.4	11.74	0.00	47.91
	06/02/03	<0.50	<0.50	<0.50	<0.50	**1,800**	--	**39**	<5.0	**0.96**	<0.50	<0.50	--	--	c	1.6	12.56	0.00	47.09
	09/02/03	<0.50	<0.50	<0.50	<0.50	**1,300**	--	**44**	<5.0	**1.6**	<0.50	<0.50	--	--	b,c	0.4	13.99	0.00	45.66
	12/22/03	<0.50	<0.50	<0.50	<0.50	**1,100**	--	**26**	<5.0	**0.84**	<0.50	<0.50	--	--	c	0.5	12.03	0.00	47.62
	03/10/04	<0.50	<0.50	<0.50	<0.50	**1,100**	--	**18**	<5.0	**0.83**	<0.50	<0.50	--	--	c	0.4	10.49	0.00	49.16
	06/16/04	<0.50	<0.50	<0.50	<0.50	**1,300**	--	**19**	<5.0	**0.61**	<0.50	<0.50	--	--	c	0.6	13.57	0.00	46.08
	09/27/04	<0.50	<0.50	<0.50	<0.50	**1,200**	--	**20**	<5.0	**1.5**	<0.50	<0.50	--	--	c	0.2	14.76	0.00	44.89
	12/15/04	<0.50	<0.50	<0.50	<0.50	**1,600**	--	**14**	<5.0	**0.72**	<0.50	<0.50	--	--	c	1.1	11.97	0.00	47.68
	03/21/05	<0.50	<0.50	<0.50	<0.50	**2,300**	--	**14**	<5.0	**0.79**	<0.50	<0.50	--	--	c, e	1.8	10.25	0.00	49.40
	06/06/05	<0.50	<0.50	<0.50	<0.50	**2,000**	--	**12**	<5.0	**0.94**	<0.50	<0.50	--	--	c	1.7	11.98	0.00	47.67
	09/26/05	<0.50	<0.50	<0.50	<0.50	**2,500**	--	**6.3**	<5.0	**0.72**	<0.50	<0.50	--	--	c	2.9	13.96	0.00	45.69
	12/07/05	<0.50	<0.50	<0.50	<0.50	**2,500**	--	**9.8**	<5.0	**1.0**	<0.50	<0.50	--	--	c	0.9	13.06	0.00	46.59

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE 8020 (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-3																			
59.59	03/19/99	**696**	**786**	**552**	**777**	**62,400**	--	**84,400**	<8,000	<2,000	<2,000	<2,000	--	--		1.0	10.73	0.00	48.86
	05/31/99	**664**	**406**	**435**	**402**	**39,200**	--	**92,800**	<20,000	<5,000	<5,000	<5,000	--	--		1.2	12.91	0.00	46.68
	09/15/99	**386**	**104**	**263**	**206**	**34,100**	**65,200**	**80,100**	<8,000	<2,000	<2,000	<2,000	--	--		--	14.54	0.00	45.05
	12/14/99	**515**	**<30**	**310**	**67**	**27,600**	**97,000**	**81,900**	<10,000	<2,500	<2,500	<2,500	<500	<500		1.9	20.03	0.00	39.56
	03/01/00	**701**	**744**	**509**	**927**	**47,300**	**63,300**	**59,100**	<2,000	<500	<500	<500	--	--	a	2.0	11.24	0.00	48.35
	03/29/00	--	--	--	--	--	--	--	--	--	--	--	--	--		--	10.58	0.00	49.01
	06/05/00	**770**	**74**	**120**	<10	**15,000**	--	**54,000**	<50,000	<2,000	<2,000	<2,000	--	--		1.7	11.88	0.00	47.71
	09/18/00	**300**	<5	**110**	<10	**23,000**	--	**47,000**	<50,000	<2,000	<2,000	<2,000	--	--		0.3	15.38	0.00	44.21
	12/04/00	**490**	**13**	**360**	**86**	**22,000**	--	**42,000**	<50,000	<2,000	<2,000	<2,000	--	--		0.5	14.32	0.00	45.27
	03/12/01	**370**	**95**	**180**	**180**	**17,000**	--	**52,000**	<50,000	<2	<2,000	<2,000	--	--		0.7	11.20	0.00	48.39
	06/05/01	**310**	<12	**100**	<25	**17,000**	--	**47,000**	<62,000	<2,500	<2,500	<2,500	--	--		0.5	14.46	0.00	45.13
	09/21/01	**240**	<10	**120**	<10	**9,900**	--	**69,000**	<10,000	<2,500	<2,500	<2,500	--	--		0.4	15.57	0.00	44.02
	12/05/01	**430**	<5	**310**	**19**	**6,100**	--	**75,000**	<10,000	<2,500	<2,500	<2,500	--	--		0.9	12.10	0.00	47.49
	03/01/02	**580**	**270**	**390**	<10	**11,000**	--	**35,000**	<10,000	<2,500	<2,500	<2,500	--	--		1.1	12.42	0.00	47.17
	06/06/02	**510**	**76**	**370**	**24**	**7,500**	**40,000**	**37,000**	<10,000	<1,000	<1,000	<1,000	--	--		--	13.70	0.00	45.89
	09/06/02	**340**	**33**	**220**	<10	**2,900**	**36,000**	**43,000**	<10,000	<1,000	<1,000	<1,000	--	--		1.0	14.78	0.00	44.81
	11/22/02	**330**	<50	**210**	<50	<5,000	--	**35,000**	**840**	<50	<50	<50	--	--		0.9	14.93	0.00	44.66
	03/26/03	**490**	<100	**310**	<100	<10,000	--	**47,000**	<1,000	<100	<100	<100	--	--		0.2	11.99	0.00	47.60
	06/02/03	**400**	<100	**290**	<100	<10,000	--	**41,000**	<1,000	<100	<100	<100	--	--		0.3	12.71	0.00	46.88
	09/02/03	**160**	<100	<100	<100	<10,000	--	**43,000**	<1,000	<100	<100	<100	--	--		0.2	14.16	0.00	45.43
	12/22/03	**270**	<50	**130**	<50	<5,000	--	**34,000**	<500	<50	<50	<50	--	--		0.5	12.34	0.00	47.25
	03/10/04	**380**	**6.0**	**280**	**21**	**4,700**	--	**42,000**	**860**	**1.2**	**12**	**42**	--	--	d	0.2	11.83	0.00	47.76
	06/16/04	**360**	<100	**260**	<100	<10,000	--	**38,000**	<1,000	<100	<100	<100	--	--		0.5	13.80	0.00	45.79
	09/27/04	**340**	<50	**360**	<50	<5000	--	**25,000**	**7,600**	<50	<50	<50	--	--		0.1	14.95	0.00	44.64
	12/15/04	**310**	<50	**270**	**76**	**5,300**	--	**18,000**	**6,200**	<50	<50	<50	--	--		0.9	12.28	0.00	47.31
	03/21/05	**120**	<50	**200**	**61**	<5,000	--	**18,000**	**950**	<50	<50	<50	--	--		7.2	10.25	0.00	49.34
	06/06/05	**220**	<15	**800**	**380**	**6,100**	--	**9,100**	**990**	<15	<15	<15	--	--		20.1	12.08	0.00	47.51
	09/26/05	**33**	<15	**220**	**76**	**2,000**	--	**5,400**	**1,000**	<15	<15	<15	--	--		13.2	14.16	0.00	45.43
	12/07/05	**5.9**	<3.0	**25**	<3.0	**590**	--	**1,700**	**180**	<3.0	<3.0	<3.0	--	--		22.8	13.31	0.00	46.28

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE 8020 (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-4																			
59.20	09/21/01	**3.3**	<0.5	**2.4**	**0.84**	**210**	--	**1,100**	<100	<25	<25	<25	--	--		0.7	16.10	0.00	43.10
	12/05/01	<0.5	<0.5	<0.5	**0.65**	**92**	--	<5	<20	<5	<5	<5	--	--		0.7	13.55	0.00	45.65
	03/01/02	<0.5	<0.5	<0.5	<0.5	<50	--	<5	<20	<5	<5	<5	--	--		0.9	13.73	0.00	45.47
	06/06/02	<0.5	<0.5	<0.5	<0.5	<50	<5	**0.62**	<5	<0.5	<0.5	<0.5	--	--		--	14.50	0.00	44.70
	09/06/02	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<5	<0.5	<0.5	<0.5	--	--		1.0	15.35	0.00	43.85
	11/22/02	<0.5	<0.5	<0.5	<0.5	<50	--	**0.64**	<5	<0.5	<0.5	<0.5	--	--		1.3	15.42	0.00	43.78
	03/26/03	<0.50	<0.50	<0.50	<0.50	<50	--	**0.93**	<5.0	<0.50	<0.50	<0.50	--	--	b	0.3	13.58	0.00	45.62
	06/02/03	<0.50	<0.50	<0.50	<0.50	<50	--	**1.1**	<5.0	<0.50	<0.50	<0.50	--	--		1.8	14.23	0.00	44.97
	09/02/03	<0.50	<0.50	<0.50	<0.50	<50	--	**1.6**	<5.0	<0.50	<0.50	<0.50	--	--	b	1.7	14.74	0.00	44.46
	12/22/03	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--
	03/10/04	<0.50	<0.50	<0.50	<0.50	<50	--	**0.89**	<5.0	<0.50	<0.50	<0.50	--	--		0.3	12.99	0.00	46.21
	06/16/04	<0.50	<0.50	<0.50	<0.50	<50	--	**1.9**	<5.0	<0.50	<0.50	<0.50	--	--		0.8	14.91	0.00	44.29
	09/27/04	<0.50	<0.50	<0.50	<0.50	**72**	--	**2.5**	<5.0	<0.50	<0.50	<0.50	--	--	c	0.9	15.61	0.00	43.59
	12/15/04	<0.50	<0.50	<0.50	<0.50	<50	--	**0.59**	<5.0	<0.50	<0.50	<0.50	--	--		1.8	13.90	0.00	45.30
	03/21/05	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	e	2.4	12.65	0.00	46.55
	06/06/05	<0.50	<0.50	<0.50	<0.50	<50	--	**0.80**	<5.0	<0.50	<0.50	<0.50	--	--		0.5	13.92	0.00	45.28
	09/26/05	<0.50	<0.50	<0.50	<0.50	**100**	--	**4.3**	<5.0	<0.50	<0.50	<0.50	--	--	c	2.9	15.14	0.00	44.06
	12/07/05	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		1.2	14.52	0.00	44.68

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, CA

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylene (µg/L)	TPHg (µg/L)	MtBE 8020 (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-5																			
58.94	09/21/01	**1.1**	**0.52**	**1.4**	**1.6**	<50	--	<5	<20	<5	<5	<5	--	--		0.5	15.35	0.00	43.59
	12/05/01	<0.5	<0.5	<0.5	<0.5	<50	--	<5	<20	<5	<5	<5	--	--		1.1	12.60	0.00	46.34
	03/01/02	<0.5	<0.5	<0.5	<0.5	<50	--	<5	<20	<5	<5	<5	--	--		1.0	12.43	0.00	46.51
	06/06/02	<0.5	<0.5	<0.5	<0.5	<50	<5	**0.65**	<5	<0.5	<0.5	<0.5	--	--		--	13.40	0.00	45.54
	09/06/02	<0.5	<0.5	<0.5	<0.5	<50	<5	**0.53**	<5	<0.5	<0.5	<0.5	--	--		1.0	14.50	0.00	44.44
	11/22/02	<0.5	<0.5	<0.5	<0.5	<50	--	**0.75**	<5	<0.5	<0.5	<0.5	--	--		1.0	14.92	0.00	44.02
	03/26/03	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	b	0.5	12.20	0.00	46.74
	06/02/03	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		3.4	12.96	0.00	45.98
	09/02/03	<0.50	<0.50	<0.50	<0.50	<50	--	**0.79**	<5.0	<0.50	<0.50	<0.50	--	--	b	0.7	13.93	0.00	45.01
	12/22/03	<0.50	<0.50	<0.50	<0.50	<50	--	**0.72**	<5.0	<0.50	<0.50	<0.50	--	--		0.3	12.61	0.00	46.33
	03/10/04	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		0.3	11.26	0.00	47.68
	06/16/04	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		0.7	13.79	0.00	45.15
	09/27/04	<0.50	<0.50	<0.50	<0.50	<50	--	**0.56**	<5.0	<0.50	<0.50	<0.50	--	--		0.2	14.87	0.00	44.07
	12/15/04	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		2.3	12.40	0.00	46.54
	03/21/05	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	e	1.9	10.83	0.00	48.11
	06/06/05	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		0.1	12.33	0.00	46.61
	09/26/05	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--		3.4	13.92	0.00	45.02
	12/07/05	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	--	e	2.4	13.29	0.00	45.65

Explanation

TPHg = Total petroleum hydrocarbons-as-gasoline
MtBE = Methyl-tert-butyl ether
TBA = Tert-butanol
DIPE = Diisopropyl ether
EtBE = Ethyl-tert-butyl ether
TAME = Tert-amyl-methyl ether

1,2-DCA = 1,2-dichloroethane
EDB = 1,2-dibromoethane
DTW = Depth to water
SPT = Separate-phase hydrocarbon thickness
WTE = Water table elevation
TOC = Top of casing elevation in feet above mean sea level

µg/L = micrograms per liter
mg/L = milligrams per liter
-- = Not sampled/not measured

Notes

Historical data prior to 03/26/03 sample date provided by Shaw E&I.
Samples analyzed using EPA Method 8260B starting with 03/26/03 sample date.
a = Suspected malfunction of gauging probe on 03/01/00; wells regauged 03/29/00.
b = Matrix Spike/Matrix Spike Duplicate Results for MtBE were affected by the analyte concentration already present in the un-spiked sample.
c = Hydrocarbons reported as TPHg do not exhibit a typical Gasoline chromatographic pattern.
d = TBA may be biased slightly high. A fraction of MtBE (typically less than 1%) converts to TBA during the analysis of water samples. Kiff considers this conversion effect to be mathematically significant in samples that contain MtBE/TBA in ratios of over 20:1.
e = Matrix Spike/Matrix Spike Duplicate Results for the analyte Benzene were affected by the analyte concentration already present in the un-spiked sample.

Table 3
Soil Boring and Well Construction Details

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well I.D.	Drill Date	Well Depth (feet bgs)	Well Diameter (inches)	Screen Top (feet bgs)	Screen Bottom (feet bgs)	Screen Length (feet)	Comments
Soil Borings							
GP-1	05/20/98	21	1.5	--	--	--	Geoprobe boring
GP-2	05/20/98	21	1.5	--	--	--	Geoprobe boring
GP-3	05/20/98	16	1.5	--	--	--	Geoprobe boring
GP-4	05/20/98	18	1.5	--	--	--	Geoprobe boring
SB-1	09/17/99	19.5	1.5	--	--	--	Soil boring
SB-2	09/17/99	20	1.5	--	--	--	Soil boring
SB-3	09/17/99	28	1.5	--	--	--	Soil boring
SB-4	09/17/99	20	1.5	--	--	--	Soil boring
SB-5	09/17/99	20	2	--	--	--	Soil boring
SB-6	09/17/99	24	2	--	--	--	Soil boring
Monitoring Wells							
MW-1	01/22/99	20	2	5	20	15	
MW-2	01/22/99	20	2	5	20	15	
MW-3	01/22/99	20	2	5	20	15	
MW-4	08/24/01	24.5	2	14.5	24.5	10	
MW-5	08/24/01	24.5	2	14.5	24.5	10	
Oxygen Injection Wells							
I-1	12/15/04	27	0.75	24.5	27	2.5	Ceramic steel diffusion tip
I-2	12/14/04	27	0.75	24.5	27	2.5	Ceramic steel diffusion tip
I-3	12/14/04	27	0.75	24.5	27	2.5	Ceramic steel diffusion tip

Explanation
Wells are of poly-vinyl-chloride (PVC) construction
bgs = Below ground surface

Table 4
Oxygen Injection Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well Number	Date of Injection	Oxygen Injection Data: Oxygen Volume Injected (ft^3)	Mass Injected (pounds)	Length of Injection (hours)	Cumulative Mass Oxygen Injected (pounds)	Comments
I-1	01/11/05	150	13.4	1.0	13.4	I-1 Injected Alone
	01/25/05	150	13.4	1.0	26.7	I-1 Injected Alone
	02/08/05	150	13.4	1.0	40.1	I-1 and I-2 Injected Simultaneously
	02/23/05	150	13.4	1.0	53.4	I-1, I-2 and I-3 Injected Simultaneously
	03/08/05	150	13.4	1.0	66.8	I-1, I-2 and I-3 Injected Simultaneously
	03/22/05	150	13.4	1.0	80.1	I-1, I-2 and I-3 Injected Simultaneously
	04/05/05	150	13.4	1.0	93.5	I-1, I-2 and I-3 Injected Simultaneously
	04/19/05	150	13.4	1.0	106.8	I-1, I-2 and I-3 Injected Simultaneously
	05/03/05	150	13.4	1.0	120.2	I-1, I-2 and I-3 Injected Simultaneously
	05/17/05	150	13.4	1.0	133.5	I-1, I-2 and I-3 Injected Simultaneously
	06/01/05	150	13.4	1.0	146.9	I-1, I-2 and I-3 Injected Simultaneously
	06/14/05	150	13.4	1.0	160.2	I-1, I-2 and I-3 Injected Simultaneously
	06/29/05	150	13.4	1.0	173.6	I-1, I-2 and I-3 Injected Simultaneously
	07/12/05	150	13.4	1.0	186.9	I-1, I-2 and I-3 Injected Simultaneously
	07/27/05	150	13.4	1.0	200.3	I-1, I-2 and I-3 Injected Simultaneously
	08/09/05	150	13.4	0.5	213.6	I-1, I-2 and I-3 Injected Simultaneously
	08/23/05	150	13.4	1.0	227.0	I-1, I-2 and I-3 Injected Simultaneously
	09/07/05	150	13.4	0.5	240.3	I-1, I-2 and I-3 Injected Simultaneously
	09/21/05	150	13.4	0.5	253.7	I-1, I-2 and I-3 Injected Simultaneously
	10/04/05	150	13.4	0.7	267.0	I-1, I-2 and I-3 Injected Simultaneously
	10/18/05	150	13.4	0.7	280.4	I-1, I-2 and I-3 Injected Simultaneously
	11/01/05	150	13.4	0.7	293.7	I-1, I-2 and I-3 Injected Simultaneously
	11/15/05	150	13.4	0.7	307.1	I-1, I-2 and I-3 Injected Simultaneously
	11/28/05	150	13.4	0.7	320.4	I-1, I-2 and I-3 Injected Simultaneously
	12/12/05	150	13.4	0.7	333.8	I-1, I-2 and I-3 Injected Simultaneously
	12/28/05	150	13.4	0.7	347.1	I-1, I-2 and I-3 Injected Simultaneously

Table 4
Oxygen Injection Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well Number	Date of Injection	Oxygen Injection Data: Oxygen Volume Injected (ft^3)	Mass Injected (pounds)	Length of Injection (hours)	Cumulative Mass Oxygen Injected (pounds)	Comments
I-2	01/11/05	150	13.4	1.0	13.4	I-2 Injected Alone
	01/25/05	150	13.4	1.0	26.7	I-2 Injected Alone
	02/08/05	150	13.4	1.0	40.1	I-1 and I-2 Injected Simultaneously
	02/23/05	150	13.4	1.0	53.4	I-1, I-2 and I-3 Injected Simultaneously
	03/08/05	150	13.4	1.0	66.8	I-1, I-2 and I-3 Injected Simultaneously
	03/22/05	150	13.4	1.0	80.1	I-1, I-2 and I-3 Injected Simultaneously
	04/05/05	150	13.4	1.0	93.5	I-1, I-2 and I-3 Injected Simultaneously
	04/19/05	150	13.4	1.0	106.8	I-1, I-2 and I-3 Injected Simultaneously
	05/03/05	150	13.4	1.0	120.2	I-1, I-2 and I-3 Injected Simultaneously
	05/17/05	150	13.4	1.0	133.5	I-1, I-2 and I-3 Injected Simultaneously
	06/01/05	150	13.4	1.0	146.9	I-1, I-2 and I-3 Injected Simultaneously
	06/14/05	150	13.4	1.0	160.2	I-1, I-2 and I-3 Injected Simultaneously
	06/29/05	150	13.4	1.0	173.6	I-1, I-2 and I-3 Injected Simultaneously
	07/12/05	150	13.4	1.0	186.9	I-1, I-2 and I-3 Injected Simultaneously
	07/27/05	150	13.4	1.0	200.3	I-1, I-2 and I-3 Injected Simultaneously
	08/09/05	150	13.4	0.5	213.6	I-1, I-2 and I-3 Injected Simultaneously
	08/23/05	150	13.4	1.0	227.0	I-1, I-2 and I-3 Injected Simultaneously
	09/07/05	150	13.4	0.5	240.3	I-1, I-2 and I-3 Injected Simultaneously
	09/21/05	150	13.4	0.5	253.7	I-1, I-2 and I-3 Injected Simultaneously
	10/04/05	150	13.4	0.7	267.0	I-1, I-2 and I-3 Injected Simultaneously
	10/18/05	150	13.4	0.7	280.4	I-1, I-2 and I-3 Injected Simultaneously
	11/01/05	150	13.4	0.7	293.7	I-1, I-2 and I-3 Injected Simultaneously
	11/15/05	150	13.4	0.7	307.1	I-1, I-2 and I-3 Injected Simultaneously
	11/28/05	150	13.4	0.7	320.4	I-1, I-2 and I-3 Injected Simultaneously
	12/12/05	150	13.4	0.7	333.8	I-1, I-2 and I-3 Injected Simultaneously
	12/28/05	150	13.4	0.7	347.1	I-1, I-2 and I-3 Injected Simultaneously

Table 4
Oxygen Injection Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well Number	Date of Injection	Oxygen Injection Data: Oxygen Volume Injected (ft^3)	Mass Injected (pounds)	Length of Injection (hours)	Cumulative Mass Oxygen Injected (pounds)	Comments
I-3	01/11/05	150	13.4	0.8	13.4	I-3 Injected Alone
	01/25/05	150	13.4	1.0	26.7	I-3 Injected Alone
	02/08/05	150	13.4	0.8	40.1	I-3 Injected Alone
	02/23/05	150	13.4	1.0	53.4	I-1, I-2 and I-3 Injected Simultaneously
	03/08/05	150	13.4	1.0	66.8	I-1, I-2 and I-3 Injected Simultaneously
	03/22/05	150	13.4	1.0	80.1	I-1, I-2 and I-3 Injected Simultaneously
	04/05/05	150	13.4	1.0	93.5	I-1, I-2 and I-3 Injected Simultaneously
	04/19/05	150	13.4	1.0	106.8	I-1, I-2 and I-3 Injected Simultaneously
	05/03/05	150	13.4	1.0	120.2	I-1, I-2 and I-3 Injected Simultaneously
	05/17/05	150	13.4	1.0	133.5	I-1, I-2 and I-3 Injected Simultaneously
	06/01/05	150	13.4	1.0	146.9	I-1, I-2 and I-3 Injected Simultaneously
	06/14/05	150	13.4	1.0	160.2	I-1, I-2 and I-3 Injected Simultaneously
	06/29/05	150	13.4	1.0	173.6	I-1, I-2 and I-3 Injected Simultaneously
	07/12/05	150	13.4	1.0	186.9	I-1, I-2 and I-3 Injected Simultaneously
	07/27/05	150	13.4	1.0	200.3	I-1, I-2 and I-3 Injected Simultaneously
	08/09/05	150	13.4	0.5	213.6	I-1, I-2 and I-3 Injected Simultaneously
	08/23/05	150	13.4	1.0	227.0	I-1, I-2 and I-3 Injected Simultaneously
	09/07/05	150	13.4	0.5	240.3	I-1, I-2 and I-3 Injected Simultaneously
	09/21/05	150	13.4	0.5	253.7	I-1, I-2 and I-3 Injected Simultaneously
	10/04/05	150	13.4	0.7	267.0	I-1, I-2 and I-3 Injected Simultaneously
	10/18/05	150	13.4	0.7	280.4	I-1, I-2 and I-3 Injected Simultaneously
	11/01/05	150	13.4	0.7	293.7	I-1, I-2 and I-3 Injected Simultaneously
	11/15/05	150	13.4	0.7	307.1	I-1, I-2 and I-3 Injected Simultaneously
	11/28/05	150	13.4	0.7	320.4	I-1, I-2 and I-3 Injected Simultaneously
	12/12/05	150	13.4	0.7	333.8	I-1, I-2 and I-3 Injected Simultaneously
	12/28/05	150	13.4	0.7	347.1	I-1, I-2 and I-3 Injected Simultaneously
			1041.3	Total Pounds Oxygen Injected		

Explanation

Dissolved Oxygen concentration measured using downhole meter

ft^3 = cubic feet

1 ft^3 O_2 = 0.089 lb of O_2

Table 5
Dissolved Oxygen Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well ID	Date of Injection	Dissolved Oxygen Pre-Injection (mg/L)	Dissolved Oxygen Post Injection (mg/L)	Comments
Dissolved Oxygen Monitoring Wells				
MW-1	01/11/05	2.4	3.8	Oxygen Injection Event
	01/12/05	--	4.2	Oxygen Injection Event
	01/25/05	2.5	3.8	Oxygen Injection Event
	01/26/05	--	3.7	Oxygen Injection Event
	02/08/05	2.6	3.9	Oxygen Injection Event
	02/23/05	1.2	3.1	Oxygen Injection Event
	03/08/05	1.8	3.8	Oxygen Injection Event
	03/22/05	2.6	3.4	Oxygen Injection Event
	04/05/05	2.8	3.2	Oxygen Injection Event
	04/19/05	3.1	4.0	Oxygen Injection Event
	05/03/05	3.8	5.0	Oxygen Injection Event
	05/17/05	5.0	6.1	Oxygen Injection Event
	06/01/05	2.8	4.9	Oxygen Injection Event
	06/14/05	1.9	4.4	Oxygen Injection Event
	06/29/05	0.9	4.1	Oxygen Injection Event
	07/12/05	1.1	4.1	Oxygen Injection Event
	07/27/05	1.1	42.0	Oxygen Injection Event
	08/09/05	0.9	0.2	Oxygen Injection Event
	08/23/05	1.1	1.3	Oxygen Injection Event
	09/07/05	0.7	1.3	Oxygen Injection Event
	09/21/05	1.1	1.1	Oxygen Injection Event
	10/04/05	1.1	1.3	Oxygen Injection Event
	10/18/05	2.9	3.4	Oxygen Injection Event
	11/01/05	1.7	1.8	Oxygen Injection Event
	11/15/05	1.9	1.6	Oxygen Injection Event
	11/28/05	0.9	1.0	Oxygen Injection Event
	12/13/05	1.5	1.1	Oxygen Injection Event
	12/28/05	1.4	1.1	Oxygen Injection Event

Table 5
Dissolved Oxygen Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well ID	Date of Injection	Dissolved Oxygen Pre-Injection (mg/L)	Dissolved Oxygen Post Injection (mg/L)	**Comments**
MW-2	01/11/05	2.7	3.7	Oxygen Injection Event
	01/12/05	--	3.9	Oxygen Injection Event
	01/25/05	3.0	4.2	Oxygen Injection Event
	01/26/05	--	4.4	Oxygen Injection Event
	02/08/05	3.4	4.4	Oxygen Injection Event
	02/23/05	1.8	3.8	Oxygen Injection Event
	03/08/05	2.0	4.0	Oxygen Injection Event
	03/22/05	2.4	4.0	Oxygen Injection Event
	04/05/05	2.6	4.2	Oxygen Injection Event
	04/19/05	3.0	5.5	Oxygen Injection Event
	05/03/05	3.7	5.2	Oxygen Injection Event
	05/17/05	4.8	6.4	Oxygen Injection Event
	06/01/05	3.1	5.4	Oxygen Injection Event
	06/14/05	1.1	6.7	Oxygen Injection Event
	06/29/05	0.7	5.5	Oxygen Injection Event
	07/12/05	0.9	5.0	Oxygen Injection Event
	07/27/05	0.5	0.9	Oxygen Injection Event
	08/09/05	0.6	0.4	Oxygen Injection Event
	08/23/05	0.9	1.0	Oxygen Injection Event
	09/07/05	0.8	0.8	Oxygen Injection Event
	09/21/05	0.8	1.1	Oxygen Injection Event
	10/04/05	1.3	1.6	Oxygen Injection Event
	10/18/05	3.6	3.2	Oxygen Injection Event
	11/01/05	1.8	2.0	Oxygen Injection Event
	11/15/05	1.8	1.8	Oxygen Injection Event
	11/28/05	0.9	1.3	Oxygen Injection Event
	12/13/05	2.3	1.5	Oxygen Injection Event
	12/28/05	1.5	1.3	Oxygen Injection Event

Table 5
Dissolved Oxygen Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well ID	Date of Injection	Dissolved Oxygen Pre-Injection (mg/L)	Dissolved Oxygen Post Injection (mg/L)	**Comments**
MW-3	01/11/05	2.5	7.0	Oxygen Injection Event
	01/12/05	--	2.0	Oxygen Injection Event
	01/25/05	4.1	8.2	Oxygen Injection Event
	01/26/05	--	7.8	Oxygen Injection Event
	02/08/05	8.0	17.6	Oxygen Injection Event
	02/23/05	2.9	14.9	Oxygen Injection Event
	03/08/05	3.3	16.0	Oxygen Injection Event
	03/22/05	7.0	16.6	Oxygen Injection Event
	04/05/05	6.5	18.5	Oxygen Injection Event
	04/19/05	9.5	20.1	Oxygen Injection Event
	05/03/05	10.0	20.9	Oxygen Injection Event
	05/17/05	15.5	28.7	Oxygen Injection Event
	06/01/05	10.3	28.2	Oxygen Injection Event
	06/14/05	16.8	32.2	Oxygen Injection Event
	06/29/05	13.9	33.3	Oxygen Injection Event
	07/12/05	1.7	25.3	Oxygen Injection Event
	07/27/05	1.1	44.0	Oxygen Injection Event
	08/09/05	18.9	42.9	Oxygen Injection Event
	08/23/05	19.3	43.1	Oxygen Injection Event
	09/07/05	20.2	41.7	Oxygen Injection Event
	09/21/05	19.5	39.5	Oxygen Injection Event
	10/04/05	6.3	15.3	Oxygen Injection Event
	10/18/05	33.0	45.0	Oxygen Injection Event
	11/01/05	7.1	16.1	Oxygen Injection Event
	11/15/05	21.5	35.7	Oxygen Injection Event
	11/28/05	31.3	45.0	Oxygen Injection Event
	12/1322005	18.0	38.5	Oxygen Injection Event
	12/28/05	15.1	37.7	Oxygen Injection Event

Table 5
Dissolved Oxygen Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well ID	Date of Injection	Dissolved Oxygen		Comments
		Pre-Injection (mg/L)	Post Injection (mg/L)	
MW-4	01/11/05	3.6	--	Oxygen Injection Event
	01/12/05	--	4.2	Oxygen Injection Event
	01/25/05	3.0	--	Oxygen Injection Event
	01/26/05	--	3.8	Oxygen Injection Event
	02/08/05	3.0	3.0	Oxygen Injection Event
	02/23/05	1.6	--	Oxygen Injection Event
	03/08/05	1.2	--	Oxygen Injection Event
	03/22/05	2.2	--	Oxygen Injection Event
	04/05/05	1.8	--	Oxygen Injection Event
	04/19/05	1.8	--	Oxygen Injection Event
	05/03/05	2.1	--	Oxygen Injection Event
	05/17/05	--	--	Oxygen Injection Event
	06/01/05	--	--	Oxygen Injection Event
	06/14/05	--	--	Oxygen Injection Event
	06/29/05	--	--	Oxygen Injection Event
	07/12/05	--	--	Oxygen Injection Event
	07/27/05	--	--	Oxygen Injection Event
	08/09/05	--	--	Oxygen Injection Event
	08/23/05	--	--	Oxygen Injection Event
	09/07/05	--	--	Oxygen Injection Event
	09/21/05	--	--	Oxygen Injection Event
	10/04/05	--	--	Oxygen Injection Event
	10/18/05	--	--	Oxygen Injection Event
	11/01/05	--	--	Oxygen Injection Event
	11/15/05	--	--	Oxygen Injection Event
	11/28/05	--	--	Oxygen Injection Event
	12/12/05	--	--	Oxygen Injection Event
	12/28/05	--	--	Oxygen Injection Event

Table 5
Dissolved Oxygen Summary

7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

Well ID	Date of Injection	Dissolved Oxygen Pre-Injection (mg/L)	Dissolved Oxygen Post Injection (mg/L)	Comments
MW-5	01/11/05	2.4	--	Oxygen Injection Event
	01/12/05	--	2.6	Oxygen Injection Event
	01/25/05	2.4	--	Oxygen Injection Event
	01/26/05	--	2.8	Oxygen Injection Event
	02/08/05	2.2	2.2	Oxygen Injection Event
	02/23/05	0.8	--	Oxygen Injection Event
	03/08/05	0.8	--	Oxygen Injection Event
	03/22/05	2.0	--	Oxygen Injection Event
	04/05/05	1.6	--	Oxygen Injection Event
	04/19/05	1.6	--	Oxygen Injection Event
	05/03/05	1.8	--	Oxygen Injection Event
	05/17/05	--	--	Oxygen Injection Event
	06/01/05	--	--	Oxygen Injection Event
	06/14/05	--	--	Oxygen Injection Event
	06/29/05	--	--	Oxygen Injection Event
	07/12/05	--	--	Oxygen Injection Event
	07/27/05	--	--	Oxygen Injection Event
	08/09/05	--	--	Oxygen Injection Event
	08/23/05	--	--	Oxygen Injection Event
	09/07/05	--	--	Oxygen Injection Event
	09/21/05	--	--	Oxygen Injection Event
	10/04/05	--	--	Oxygen Injection Event
	10/18/05	--	--	Oxygen Injection Event
	11/01/05	--	--	Oxygen Injection Event
	11/15/05	--	--	Oxygen Injection Event
	11/28/05	--	--	Oxygen Injection Event
	12/13/05	--	--	Oxygen Injection Event
	12/28/05	--	--	Oxygen Injection Event

Explanation
Dissolved Oxygen concentration measured using downhole meter
mg/L = milligrams per liter
-- = Not measured

ATTACHMENT A
FIELD NOTES

Quarterly Groundwater Monitoring
Report – Fourth Quarter 2005
7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.0702
SITE ADDRESS:	3625 MacDonald Avenue	START DATE:	12/7/05
	Richmond, CA	DATE PREPARED:	12/01/05
PREPARED FOR:	Cord Dennig	PREPARED BY:	Colin Ryan

SITE VISITATION REPORT

Name(s) Cord Dennig Date: 12/7/05 Did you call in? (Yes) No

Arrival Time: 1130 "Departure Time: _____ Who did you call? Daniella Catlin-Wright

Weather Notations: SUN (CLOUDY) RAIN SNOW Temperature 55 F

DRUM INVENTORY

1	WATER		CARBON	TOTAL OPEN TOP	2
	SOIL	1	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

Wear reflective vest, set up delineators for traffic control. Monitor foot and vehicle traffic while onsite.

CALIBRATION

Ec Calibration Reading 1413

pH Two Pt. Calibration: Reading1 7.01 Reading 2 4.01

DO Calibration

Pre-Calibration reading 7.8 Calibration Reading 8.6 Post Calibration Reading 8.6

Pre M&S Agitated Water reading 9.1 Post Agitation Reading 9.2

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

1130 Arrive onsite, check in with store manager, check drum inventory, decon. equipment, call Daniella Catlin-Wright

1200 Set up at first well.

1518 Finish sampling, drop offwater and trash, decon. equipment.

1545 Leave site.

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL20244.05.0702
SITE ADDRESS:	3625 MacDonald Avenue	START DATE:	12/7/05
	Richmond, CA	DATE PREPARED:	12/01/05
PREPARED FOR:	Cord Dennig	PREPARED BY:	Colin Ryan

GROUNDWATER GAUGING FORM

MEASURED TO TOC OR GRADE? Top of Casing

WELL I.D.	CONST. DTB	WELL DIAM.	WELL ELEV TOC	DTW	GAUGED DTB	DTP/PT	D.O. (mg/L)	80% RECHG	ELEV WATER	COMMENTS Please note if well needs locking cap or street box repair
MW-5	25	2"	58.94	13.29	24.32		2.4			Time 1210
MW-4	25	2"	59.20	14.52	24.17		1.2			1251
MW-2	20	2"	59.65	13.06	20.01		0.9			1334
MW-1	20	2"	59.86	13.26	19.86		0.7			1415
MW-3	20	2"	59.59	13.31	20.18		22.8			1455
	Estimated Purge Water Volume					21	gallons	0.44	Drums	

Please verify DTB in "Gauged DTB" column.

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #20244 PURGED BY: Cord Dennig WELL I.D.: MW- 5

CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Cord Dennig SAMPLE I.D.: MW- 5

LOCATION: 3625 MacDonald Avenue, Richmond, CA QA SAMPLES: None

DATE PURGED 12/7/05 START (2400hr) 1200 END (2400hr) 1218

DATE SAMPLED 12/7/05 SAMPLE TIME (2400hr) 1232

SAMPLE TYPE: Groundwater X Surface Water ___ Treatment Effluent ___ Other ___

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	X (0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = 24.32 CASING VOLUME (gal) = 1.88

DEPTH TO WATER (feet) = 13.29 CALCULATED PURGE (gal) = 5.64

WATER COLUMN HEIGHT (feet) = 11.03 ACTUAL PURGE (gal) = 5.70

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
12/7/05	1212	0	17.6	423	7.26	Semi Clear	Low
	1214	1.9	18.2	441	7.21	Semi Clear	Low
	1216	3.8	18.4	436	7.20	Semi Clear	Low
	1218	5.7	18.3	429	7.18	Semi Clear	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 13.51 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ___ NO ANALYSES: BTEX, TPHg, 5 Oxygenates Via EPA 8260B

ODOR: None SAMPLE VESSEL / PRESERVATIVE: HCL

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Bladder Pump	___ Bailer (Teflon)	___ Bladder Pump	___ Bailer (Teflon)
___ Centrifugal Pump	___ Bailer (PVC)	___ Centrifugal Pump	X Bailer (___ PVC or X disposable)
X Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristalic Pump	___ Dedicated ___	___ Peristalic Pump	___ Dedicated ___
Other: ___		Other: ___	
Pump Depth: ___			

WELL INTEGRITY: Good LOCK#: Yes

REMARKS: D.O. - 2.4

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #20244 PURGED BY: Cord Dennig WELL I.D.: MW-4

CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Cord Dennig SAMPLE I.D.: MW-4

LOCATION: 3625 MacDonald Avenue, Richmond, CA QA SAMPLES: None

DATE PURGED 12/7/05 START (2400hr) 1242 END (2400hr) 1300

DATE SAMPLED 12/7/05 SAMPLE TIME (2400hr) 1314

SAMPLE TYPE: Groundwater X Surface Water ___ Treatment Effluent ___ Other ___

CASING DIAMETER: 2" X 3" ___ 4" ___ 5" ___ 6" ___ 8" ___ Other ___

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 24.17 CASING VOLUME (gal) = 1.64

DEPTH TO WATER (feet) = 14.52 CALCULATED PURGE (gal) = 4.92

WATER COLUMN HEIGHT (feet) = 9.65 ACTUAL PURGE (gal) = 5.10

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
12/7/05	1254	0	18.1	357	6.62	Semi Clear	Low
↓	1256	1.7	18.2	338	6.68	Semi Clear	Low
↓	1258	3.4	18.4	341	6.71	Semi Clear	Low
	1300	5.1	18.5	327	6.69	Semi Clear	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 14.69 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ___ NO ANALYSES: BTEX, TPHg, 5 Oxygenates Via EPA 8260B

ODOR: None SAMPLE VESSEL / PRESERVATIVE: HCL

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
X Submersible Pump ___ Bailer (Stainless Steel)
___ Peristaltic Pump ___ Dedicated ___

Other: ___

Pump Depth: ___

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump X Bailer (___ PVC or X disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
___ Peristaltic Pump ___ Dedicated ___

Other: ___

WELL INTEGRITY: Good LOCK#: Yes

REMARKS: D.O. – 1.2

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #20244 PURGED BY: Cord Dennig WELL I.D.: MW-2

CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Cord Dennig SAMPLE I.D.: MW-2

LOCATION: 3625 MacDonald Avenue, Richmond, CA QA SAMPLES: None

DATE PURGED 12/7/05 START (2400hr) 1324 END (2400hr) 1342

DATE SAMPLED 12/7/05 SAMPLE TIME (2400hr) 1356

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 20.01 CASING VOLUME (gal) = 1.19

DEPTH TO WATER (feet) = 13.06 CALCULATED PURGE (gal) = 3.57

WATER COLUMN HEIGHT (feet) = 6.95 ACTUAL PURGE (gal) = 3.60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
12/7/05	1336	0	18.1	558	6.09	Semi Clear	Low
	1338	1.2	18.6	567	6.20	Semi Clear	Low
	1340	2.4	18.8	582	6.31	Semi Clear	Low
	1342	3.6	18.7	591	6.27	Semi Clear	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 13.27 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ____ NO ANALYSES: BTEX, TPHg, 5 Oxygenates Via EPA 8260B

ODOR: None SAMPLE VESSEL / PRESERVATIVE: HCL

PURGING EQUIPMENT

____ Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (PVC)
X Submersible Pump ____ Bailer (Stainless Steel)
____ Peristalic Pump ____ Dedicated ____

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

____ Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump X Bailer (____ PVC or X disposable)
____ Submersible Pump ____ Bailer (Stainless Steel)
____ Peristalic Pump ____ Dedicated ____

Other: ____

WELL INTEGRITY: Good LOCK#: Yes

REMARKS: D.O. — 0.9

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #20244 PURGED BY: Cord Dennig WELL I.D.: MW-1

CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Cord Dennig SAMPLE I.D.: MW-1

LOCATION: 3625 MacDonald Avenue, Richmond, CA QA SAMPLES: None

DATE PURGED 12/7/05 START (2400hr) 1406 END (2400hr) 1422

DATE SAMPLED 12/7/05 SAMPLE TIME (2400hr) 1436

SAMPLE TYPE: Groundwater X Surface Water ___ Treatment Effluent ___ Other ___

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
	X						
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = 19.86 CASING VOLUME (gal) = 1.13

DEPTH TO WATER (feet) = 13.26 CALCULATED PURGE (gal) = 3.39

WATER COLUMN HEIGHT (feet) = 6.60 ACTUAL PURGE (gal) = 3.60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
12/7/05	1418	0	18.2	404	5.97	Semi Clear	Low
↓	1420	1.2	18.6	418	6.08	Semi Clear	Low
	1420	2.4	18.6	421	6.18	Semi Clear	Low
✓	1422	3.6	18.7	427	6.21	Semi Clear	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 13.48 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ___ NO ANALYSES: BTEX, TPHg, 5 Oxygenates Via EPA 8260B

ODOR: None SAMPLE VESSEL / PRESERVATIVE: HCL

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
X Submersible Pump
___ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ___

Other: ___

Pump Depth: ___

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
___ Bailer (Teflon)
X Bailer (___ PVC or X disposable)
___ Bailer (Stainless Steel)
___ Dedicated ___

Other: ___

WELL INTEGRITY: Good LOCK#: Yes

REMARKS: D.O. – 0.7

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #20244 PURGED BY: Cord Dennig WELL I.D.: MW-3
CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Cord Dennig SAMPLE I.D.: MW-3
LOCATION: 3625 MacDonald Avenue, Richmond, CA QA SAMPLES: None

DATE PURGED 12/7/05 START (2400hr) 1446 END (2400hr) 1504
DATE SAMPLED 12/7/05 SAMPLE TIME (2400hr) 1518
SAMPLE TYPE: Groundwater X Surface Water ___ Treatment Effluent ___ Other ___

CASING DIAMETER: 2" X 3" ___ 4" ___ 5" ___ 6" ___ 8" ___ Other ___
Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 20.18 CASING VOLUME (gal) = 1.17
DEPTH TO WATER (feet) = 13.31 CALCULATED PURGE (gal) = 3.51
WATER COLUMN HEIGHT (feet) = 6.87 ACTUAL PURGE (gal) = 3.60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
12/7/05	1458	0	18.1	728	6.18	Semi Clear	Low
	1500	1.2	18.4	754	6.22	Semi Clear	Low
	1502	2.4	18.5	721	6.21	Semi Clear	Low
	1504	3.6	18.5	706	6.17	Semi Clear	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 13.49 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ___ NO ANALYSES: BTEX, TPHg, 5 Oxygenates Via EPA 8260B
ODOR: None SAMPLE VESSEL / PRESERVATIVE: HCL

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
X Submersible Pump ___ Bailer (Stainless Steel)
___ Peristaltic Pump ___ Dedicated ___
Other: ___
Pump Depth: ___

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump X Bailer (___ PVC or X disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
___ Peristaltic Pump ___ Dedicated ___
Other: ___

WELL INTEGRITY: Good LOCK#: Yes
REMARKS: D.O.-22.8

SIGNATURE: [signature]

ATTACHMENT B
CERTIFIED LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Quarterly Groundwater Monitoring
Report – Fourth Quarter 2005
7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

KIFF Analytical LLC

Report Number : 47378
Date : 12/19/2005

Debbie Herzog
SECOR International, Inc.
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Subject : 5 Water Samples
Project Name : 7-Eleven Store #20244
Project Number : 77EL.20244.05

Dear Ms. Herzog,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 47378

Date : 12/19/2005

Subject : 5 Water Samples
Project Name : 7-Eleven Store #20244
Project Number : 77EL.20244.05

Case Narrative

Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for samples MW-1 and MW-2.

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-5 for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: _____
Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47378

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Sample : **MW-1** Matrix : Water Lab Number : 47378-01

Sample Date :12/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**13**	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	**4.4**	0.50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	**670**	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47378

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Sample : **MW-2** Matrix : Water Lab Number : 47378-02

Sample Date :12/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**9.8**	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	**1.0**	0.50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	**2500**	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47378

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Sample : **MW-3** Matrix : Water Lab Number : 47378-03

Sample Date :12/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**5.9**	3.0	ug/L	EPA 8260B	12/17/2005
Toluene	**< 3.0**	3.0	ug/L	EPA 8260B	12/17/2005
Ethylbenzene	**25**	3.0	ug/L	EPA 8260B	12/17/2005
Total Xylenes	**< 3.0**	3.0	ug/L	EPA 8260B	12/17/2005
Methyl-t-butyl ether (MTBE)	**1700**	3.0	ug/L	EPA 8260B	12/17/2005
Diisopropyl ether (DIPE)	**< 3.0**	3.0	ug/L	EPA 8260B	12/17/2005
Ethyl-t-butyl ether (ETBE)	**< 3.0**	3.0	ug/L	EPA 8260B	12/17/2005
Tert-amyl methyl ether (TAME)	**< 3.0**	3.0	ug/L	EPA 8260B	12/17/2005
Tert-Butanol	**180**	15	ug/L	EPA 8260B	12/17/2005
TPH as Gasoline	**590**	300	ug/L	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	87.6		% Recovery	EPA 8260B	12/17/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47378

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Sample : **MW-4** Matrix : Water Lab Number : 47378-04

Sample Date :12/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 47378

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Sample : **MW-5** Matrix : Water Lab Number : 47378-05

Sample Date :12/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	12/16/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47378

Date : 12/19/2005

QC Report : Method Blank Data

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/15/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	98.6		%	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	98.3		%	EPA 8260B	12/15/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	99.4		%	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	86.7		%	EPA 8260B	12/16/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/15/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	101		%	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	12/15/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/15/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/15/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/15/2005
Toluene - d8 (Surr)	102		%	EPA 8260B	12/15/2005
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	12/15/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47378

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	47380-07	<0.50	40.0	40.0	41.1	40.0	ug/L	EPA 8260B	12/15/05	103	99.9	2.88	70-130	25
Toluene	47380-07	<0.50	40.0	40.0	40.9	39.5	ug/L	EPA 8260B	12/15/05	102	98.8	3.43	70-130	25
Tert-Butanol	47380-07	17	200	200	216	217	ug/L	EPA 8260B	12/15/05	99.5	100	0.625	70-130	25
Methyl-t-Butyl Ether	47380-07	35	40.0	40.0	75.2	74.5	ug/L	EPA 8260B	12/15/05	101	99.3	1.91	70-130	25
Benzene	47452-01	<0.50	40.0	40.0	39.5	38.5	ug/L	EPA 8260B	12/16/05	98.8	96.2	2.70	70-130	25
Toluene	47452-01	<0.50	40.0	40.0	38.3	36.8	ug/L	EPA 8260B	12/16/05	95.6	91.9	3.95	70-130	25
Tert-Butanol	47452-01	<5.0	200	200	192	192	ug/L	EPA 8260B	12/16/05	96.0	95.8	0.205	70-130	25
Methyl-t-Butyl Ether	47452-01	1.4	40.0	40.0	39.2	38.5	ug/L	EPA 8260B	12/16/05	94.6	92.7	2.00	70-130	25
Benzene	47379-01	370	40.0	40.0	405	379	ug/L	EPA 8260B	12/15/05	82.2	18.6	126	70-130	25
Toluene	47379-01	91	40.0	40.0	131	123	ug/L	EPA 8260B	12/15/05	99.1	79.3	22.2	70-130	25
Tert-Butanol	47379-01	88	200	200	297	280	ug/L	EPA 8260B	12/15/05	104	95.9	8.49	70-130	25
Methyl-t-Butyl Ether	47379-01	22	40.0	40.0	61.1	56.7	ug/L	EPA 8260B	12/15/05	97.6	86.6	12.0	70-130	25
Benzene	47380-01	<0.50	40.0	40.0	41.8	40.1	ug/L	EPA 8260B	12/15/05	104	100	4.29	70-130	25
Toluene	47380-01	<0.50	40.0	40.0	41.6	39.4	ug/L	EPA 8260B	12/15/05	104	98.4	5.43	70-130	25
Tert-Butanol	47380-01	<5.0	200	200	204	202	ug/L	EPA 8260B	12/15/05	102	101	1.30	70-130	25
Methyl-t-Butyl Ether	47380-01	3.8	40.0	40.0	48.9	48.0	ug/L	EPA 8260B	12/15/05	113	110	2.09	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 47378

QC Report : Laboratory Control Sample (LCS)

Date : 12/19/2005

Project Name : **7-Eleven Store #20244**

Project Number : **77EL.20244.05**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	12/15/05	95.4	70-130
Toluene	40.0	ug/L	EPA 8260B	12/15/05	98.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/15/05	95.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/15/05	92.9	70-130
Benzene	40.0	ug/L	EPA 8260B	12/16/05	97.8	70-130
Toluene	40.0	ug/L	EPA 8260B	12/16/05	97.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/16/05	94.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/16/05	97.2	70-130
Benzene	40.0	ug/L	EPA 8260B	12/15/05	94.5	70-130
Toluene	40.0	ug/L	EPA 8260B	12/15/05	99.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/15/05	98.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/15/05	94.5	70-130
Benzene	40.0	ug/L	EPA 8260B	12/15/05	99.8	70-130
Toluene	40.0	ug/L	EPA 8260B	12/15/05	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/15/05	98.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/15/05	109	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Chain of Custody Number: 47378

SECOR Chain-of Custody Record

Field Office: 077 Sacramento
Address: 3017 Kilgore Road, Suite 100
Rancho Cordova, CA

☐ Additional documents are attached, and are part of this Record.
Job Name: 7-Eleven Store #20244
Location: 3625 MacDonald Avenue
Richmond, California

Project # 77EL.20244.05 Task # 0410
Project Manager Damon Brown
Laboratory Kiff Analytical
Turnaround Time Standard

Sampler's Name Cord Dennig
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	HCl-preserved	TPHg/BTEX - EPA 8260	TPHd (Diesel Only) 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile rganics 624/8240 (g=GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	5 Oxygenates EPA 8260B						Comments/ Instructions	Number of Containers	
MW-1	12/7/05	1436	Water	x	X							X							3	01
MW-2		1356	Water	x	X							X							3	02
MW-3		1518	Water	x	X							X							3	03
MW-4		1314	Water	x	X							X							3	04
MW-5		1232	Water	x	X							X							3	05

Sample Receipt
Temp °C 3.2°C Therm. ID# IR-4
Initial DWH Date 121205
Time 1630 Coolant present: (Y) N

Special Instructions/Comments
5 Oxygenates: TAME, MtBE, EtBE, TBA, & DIPE
Global ID #T0601300710 (SIRC)
email EDD to cryan@secor.com
email lab report to dherzog@secor.com and dbrown@secor.com

Relinquished by: CORD DENNIG
Sign
Print
Company SECOR
Time Date 12/7/05

Received by:
Sign
Print
Company
Time Date

Relinquished by:
Sign
Print
Company
Time Date

Received by: DWH
Sign
Print Jason N Hernandez
Company Kiff Analytical
Time 1430 Date 121205

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold:
Conforms to record:

Client: SECOR
Client Contact: Damon Brown
Client Phone: (916) 861-0400 ext. 230

SECOR CUSTREC Rev. 2/99

Date: 12/7/05 Page 1 of 1

SECOR

ATTACHMENT C
OXYGEN INJECTION FIELD NOTES

Quarterly Groundwater Monitoring
Report – Fourth Quarter 2005
7-Eleven Store #20244
3625 MacDonald Avenue
Richmond, California

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-4-05
	Richmond, CA	DATE PREPARED:	9/30/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

SITE VISITATION REPORT

Name(s) Peng Vang Date: 10-4-05 Did you call in? (Yes) No

Arrival Time: 1215 "Departure Time: Who did you call? Daniel Davis

Weather Notations: (SUN) RAIN SNOW Temperature 91 F

DRUM INVENTORY

2	WATER		CARBON	TOTAL OPEN TOP	3
	SOIL	1	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

INSTRUMENT CALIBRATION NOTES

Instrument Type YSI DO meter

Instrument Calibration Method and Results

Calibration Readings Pre Injection: 9.0 Post Injection: 8.7

Agitated Water Readings: Pre Injection: Post Injection:

Instrument Type QRae LEL O_2 meter

Instrument Calibration Method and Results

Instrument Type Soliste water level meter.

Instrument Calibration Method and Results

Instrument Type

Instrument Calibration Method and Results

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-4-05
	Richmond, CA	DATE PREPARED:	9/30/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Date:

10-4-05

1115-1215 Drive to Richmond
1215-1230 Check in & call D Davis.
1230-1370 Set up & get DO reading
DTW-
1330-1415 Inject 1+2+3
1415-1430 get post DO
1430-1500 wrap up. & leave site.

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-4-05
	Richmond, CA	DATE PREPARED:	9/30/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

WORK REQUEST FORM

WELL ID	DTB ft bgs	WELL DIAM	DTW ft TOC	DO Before Injection (mg/L)	DO Before Injection time	DO After Injection (mg/L)	DO After Injection time	COMMENTS
MW-1	20.0	2"	14.28	1.1	1321	1.3	1425	
MW-2	20.0	2"	14.11	1.3	1310	1.6	1420	
MW-3	20.0	2"	14.3	6.3	1300	15.3	1415	
MW-4	24.5	2"						No DO measurement
MW-5	24.0	2"						No DO measurement
I-1	27.0	3/4"						Sealed well
I-2	27.0	3/4"						Sealed well
I-3	27.0	3/4"						Sealed well

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-4-05
	Richmond, CA	DATE PREPARED:	9/30/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

Oxygen Injection Monitoring Summary

Injection Well	Time			O2 Injection Pressure (PSI)	O2 Injection Volume (cubic Feet)	O2 Injection Rate (cfm)	Adjacent Monitoring Point	O2 Reading Vadose		NOTES
	Start	Finished	Elapsed					(% LEL)	Time	
I-1, I-2, I-3										
–	–	–	–		–	–	MW-1	20.9	1330	Pre-injection Readings
–	–	–	–		–	–	MW-2	20.9	1334	Pre-injection Readings
							Mw-3	20.9	1337	Pre-injection Readings
I-1, I-2, I-3	1330	1415	45	30	160	5	MW-1	8.8	1340	
							MW-1	~~9.6~~ 9.3	1350	
							MW-1	8.9	1400	
							MW-2	9.6	1344	
							MW-2	9.2	1354	
							MW-2	17.4	1404	
							MW-3	23.7	1347	
							MW-3	30.0	1357	
							MW-3	30.0	1407	

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-18-05
	Richmond, CA	DATE PREPARED:	10/14/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

SITE VISITATION REPORT

Name(s) Peng Vang Date: _____ Did you call in? (Yes) No

Arrival Time: _____ "Departure Time: _____ Who did you call? Damon Brown

Weather Notations: ~~SUN~~ (Cloudy) RAIN SNOW Temperature 74° F

DRUM INVENTORY

2	WATER		CARBON	TOTAL OPEN TOP	3
	SOIL	1	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

Traffic
Pedters
Safty glasses
Bus stop

INSTRUMENT CALIBRATION NOTES

Instrument Type YSI DO meter.

Instrument Calibration Method and Results

Calibration Readings **Pre Injection:** 9.1 **Post Injection:** 9.2

Agitated Water Readings: **Pre Injection:** 8.7 **Post Injection:** 8.7

Instrument Type QRAE LEL O_2 meter.

Instrument Calibration Method and Results

Instrument Type Solinst Water Level

Instrument Calibration Method and Results

Instrument Type

Instrument Calibration Method and Results

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-18-05
	Richmond, CA	DATE PREPARED:	10/14/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Date:

0800 - 0830 Drive to Air gas
0830 - 0900 get air gas
0900 - 1000 Drive to Richmond
1100 - 1115 Call In check in
1115 - 1200 Setup & get DO - DTW
1200 - 1245 Inject
1245 - 1300 Post DO.
1300 - 1315 Wrap up.

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-18-05
	Richmond, CA	DATE PREPARED:	10/14/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

WORK REQUEST FORM

WELL I.D.	DTB ft bgs	WELL DIAM.	DTW ft TOC	D.O. Before Injection (mg/L)	D.O. Before Injection time	D.O. After Injection (mg/L)	D.O. After Injection time	COMMENTS
MW-1	20.0	2"	14.21	2.9	1138	3.4	1253	
MW-2	20.0	2"	14.21	3.6	1129	3.2	1249	
MW-3	20.0	2"	14.40	33.0	1121	Over	1245	
MW-4	24.5	2"						No DO measurement
MW-5	24.0	2"						No DO measurement
I-1	27.0	3/4"						Sealed well
I-2	27.0	3/4"						Sealed well
I-3	27.0	3/4"						Sealed well

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	10-18-05
	Richmond, CA	DATE PREPARED:	10/14/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

Oxygen Injection Monitoring Summary

Injection Well	Time			O2 Injection Pressure (PSI)	O2 Injection Volume (cubic Feet)	O2 Injection Rate (cfm)	Adjacent Monitoring Point	O2 Reading Vadose		NOTES
	Start	Finished	Elapsed					(% LEL)	Time	
I-1, I-2, I-3										
--	--	--	--		--	--	MW-1	20.9	1205	Pre-injection Readings
--	--	--	--		--	--	MW-2	20.9	1209	Pre-injection Readings
							Mw-3	20.9	1213	Pre-injection Readings
I-1, I-2, I-3	1200	1245	45	~~150~~ 30	150	5	MW-1	13.3	1213	
							MW-1	8.3	1220	
							MW-1	8.1	1227	
							MW-2	10.8	1217	
							MW-2	18.0	1223	
							MW-2	18.9	1230	
							MW-3	30.0	1221	
							MW-3	30.0	1228	
							MW-3	30.0	1236	

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-1-05
	Richmond, CA	DATE PREPARED:	10/27/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

SITE VISITATION REPORT

Name(s) Peng Vang Date: 11-1-05 Did you call in? Yes No

Arrival Time: 1200 Departure Time: Who did you call? Damon Brown.

Weather Notations: SUN RAIN SNOW Temperature 71° F

DRUM INVENTORY

	WATER		CARBON	TOTAL OPEN TOP	2
	SOIL	2	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

Safty Glasses
pedlers
Workers of ~~stor~~ slurpee machine.

INSTRUMENT CALIBRATION NOTES

Instrument Type YSI DO ~~[illegible]~~ meter

Instrument Calibration Method and Results

Calibration Readings **Pre Injection:** 9.2 **Post Injection:** 8.7

Agitated Water Readings: **Pre Injection:** 9.0 **Post Injection:** 8.8

Instrument Type Solinst Water level meter

Instrument Calibration Method and Results

Instrument Type QRAE LEL O2 Meter

Instrument Calibration Method and Results

Instrument Type

Instrument Calibration Method and Results

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-1-05
	Richmond, CA	DATE PREPARED:	10/27/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Date:

11-1200 Drive to site
12-1215 Check in & call IN
1215-1300 Set up & get DO - DTW
1300-1345 Inject 1+2+3 monitor O_2
1345-1400 post
1400-1405 wrap up & drive to hotel.

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-1-05
	Richmond, CA	DATE PREPARED:	10/27/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

WORK REQUEST FORM

WELL I.D	DTB ft bgs	WELL DIAM.	DTW ft TOC	D.O. Before Injection (mg/L)	D.O. Before Injection time	D.O. After Injection (mg/L)	D.O. After Injection time	COMMENTS
MW-1	20.0	2"	14.30	1.7	1234	1.8	1353	
MW-2	20.0	2"	14.27	1.8	1225	2.0	1349	
MW-3	20.0	2"	14.44	7.1	1217	16.1	1346	
MW-4	24.5	2"						No DO measurement
MW-5	24.0	2"						No DO measurement
I-1	27.0	3/4"						Sealed well
I-2	27.0	3/4"						Sealed well
I-3	27.0	3/4"						Sealed well

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-1-05
	Richmond, CA	DATE PREPARED:	10/27/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

Oxygen Injection Monitoring Summary

Injection Well	Time Start	Time Finished	Time Elapsed	O2 Injection Pressure (PSI)	O2 Injection Volume (cubic Feet)	O2 Injection Rate (cfm)	Adjacent Monitoring Point	O2 Reading Vadose (% LEL)	O2 Reading Vadose Time	NOTES
I-1, I-2, I-3										
–	–	–	–		–	–	MW-1	20.9	1308	Pre-injection Readings
–	–	–	–		–	–	MW-2	20.7	1305	Pre-injection Readings
							Mw-3	20.9	1301	Pre-injection Readings
I-1, I-2, I-3	1300	1345	45	30	150	5	MW-1	12.1	1318	
							MW-1	9.0	1328	
							MW-1	8.1	1338	
							MW-2	10.1	1315	
							MW-2	15.4	1325	
							MW-2	18.1	1335	
							MW-3	30.0	1311	
							MW-3	30.0	1321	
							MW-3	30.0	1331	

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-15-05
	Richmond, CA	DATE PREPARED:	11/11/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

SITE VISITATION REPORT

Name(s) Peng Vang Date: 11-15-05 Did you call in? (Yes) No

Arrival Time: 1200 "Departure Time: Who did you call? Damon Brown

Weather Notations: (SUN) RAIN SNOW Temperature 79° F

DRUM INVENTORY

	WATER		CARBON	TOTAL OPEN TOP	2
	SOIL	2	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

Pedlers, Traffic, Bus Stop. Safty Glasses, gloves delinators & Caution tape.

INSTRUMENT CALIBRATION NOTES

Instrument Type YSI DO Meter

Instrument Calibration Method and Results

Calibration Readings Pre Injection: 9.0 Post Injection: 9.3

Agitated Water Readings: Pre Injection: 9.1 Post Injection: 8.7

Instrument Type Solinst water level meter

Instrument Calibration Method and Results

Instrument Type QRAE O_2 LEL meter.

Instrument Calibration Method and Results

Instrument Type

Instrument Calibration Method and Results

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-15-05
	Richmond, CA	DATE PREPARED:	11/11/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Date:

1115 - 1215 Drive to site
1215 - 1230 Check in
1230 - 1330 set up. DTW - DO.
1330 - 1415 Inject 1 + 2 + 3 monitor O_2 Readings
1415 - 1430 post DO
1430 - 1445 wrap up.
1445 - 1515 Drive to hotel.

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-15-05
	Richmond, CA	DATE PREPARED:	11/11/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

WORK REQUEST FORM

WELL I.D.	DTB ft bgs	WELL DIAM.	DTW ft TOC	D.O. Before Injection (mg/L)	D.O. Before Injection time	D.O. After Injection (mg/L)	D.O. After Injection time	COMMENTS
MW-1	20.0	2"	14.45	1.9	1348	1.6	1425	
MW-2	20.0	2"	14.27	1.8	1341	1.8	1420	
MW-3	20.0	2"	14.45	21.5	1333	35.7	1415	
MW-4	24.5	2"						No DO measurement
MW-5	24.0	2"						No DO measurement
I-1	27.0	3/4"						Sealed well
I-2	27.0	3/4"						Sealed well
I-3	27.0	3/4"						Sealed well

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-15-05
	Richmond, CA	DATE PREPARED:	11/11/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

Oxygen Injection Monitoring Summary

Injection Well	Time			O2 Injection Pressure (PSI)	O2 Injection Volume (cubic Feet)	O2 Injection Rate (cfm)	Adjacent Monitoring Point	O2 Reading Vadose		NOTES
	Start	Finished	Elapsed					(% LEL)	Time	
I-1, I-2, I-3										
--	--	--	--		--	--	MW-1	20.9		Pre-injection Readings
--	--	--	--		--	--	MW-2	20.9		Pre-injection Readings
							Mw-3	20.9		Pre-injection Readings
I-1, I-2, I-3							MW-1	9.1		
							MW-1	9.8		
							MW-1	8.8		
							MW-2	9.9		
							MW-2	9.6		
							MW-2	16.6		
							MW-3	30.0		
							MW-3	30.0		
							MW-3	30.0		

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-28-05
	Richmond, CA	DATE PREPARED:	11/23/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

SITE VISITATION REPORT

Name(s) Peng Vang Date: 11-28-05 Did you call in? Yes No

Arrival Time: 1345 "Departure Time: Who did you call? Damon Brown

Weather Notations: SUN RAIN SNOW Temperature 68 F

DRUM INVENTORY

	WATER		CARBON	TOTAL OPEN TOP	2
	SOIL	2	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

INSTRUMENT CALIBRATION NOTES

Instrument Type YSI DO Meter

Instrument Calibration Method and Results

Calibration Readings **Pre Injection:** 10.6 **Post Injection:** 9.7

Agitated Water Readings: **Pre Injection:** 10.2 **Post Injection:** 9.6

Instrument Type

Instrument Calibration Method and Results

Instrument Type QRAE LEL O_2 Meter

Instrument Calibration Method and Results

Instrument Type Solinst Water Level

Instrument Calibration Method and Results

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-28-05
	Richmond, CA	DATE PREPARED:	11/23/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Date:

0800 - 0900 Get work orders talk to D Brown
0900 - 0930 Drive to Air Gas
0930 - 1015 Get O_2 Bottles
1015 - 1215 Drive to Fremont
1215 - 1245 Got call from sid to skip Fremont & Union City leave for Randy.
1245 - 1345 Drive to Richmond
1345 - 1400 Check in with store Worker
1400 - 1445 Setup & get DTW - DO
1445 - 1530 Inject
1530 - 1545 Post DO
1545 - 1600 wrap up
1600 - 1630 Drive to hotel.

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-28-05
	Richmond, CA	DATE PREPARED:	11/23/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

WORK REQUEST FORM

WELL I.D.	DTB ft bgs	WELL DIAM.	DTW ft TOC	D.O. Before Injection (mg/L)	D.O. Before Injection time	D.O. After Injection (mg/L)	D.O. After Injection time	COMMENTS
MW-1	20.0	2"	14.59	.9	1425	1.0	1540	
MW-2	20.0	2"	14.41	.9	1415	1.3	1535	
MW-3	20.0	2"	14.59	31.3	1407	Over	1530	
MW-4	24.5	2"						No DO measurement
MW-5	24.0	2"						No DO measurement
I-1	27.0	3/4"						Sealed well
I-2	27.0	3/4"						Sealed well
I-3	27.0	3/4"						Sealed well

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	11-28-05
	Richmond, CA	DATE PREPARED:	11/23/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

Oxygen Injection Monitoring Summary

Injection Well	Time			O2 Injection Pressure (PSI)	O2 Injection Volume (cubic Feet)	O2 Injection Rate (cfm)	Adjacent Monitoring Point	O2 Reading Vadose		NOTES
	Start	Finished	Elapsed					(% LEL)	Time	
I-1, I-2, I-3										
--	--	--	--		--	--	MW-1	20.9	1453	Pre-injection Readings
--	--	--	--		--	--	MW-2	20.9	1450	Pre-injection Readings
							Mw-3	20.9	1447	Pre-injection Readings
I-1, I-2, I-3	1445	1530	45				MW-1	14.2	1503	
							MW-1	10.3	1513	
							MW-1	10.2	1523	
							MW-2	12.1	~~1445~~ 1500	
							MW-2	16.1	1510	
							MW-2	19.8	1520	
							MW-3	30.0	1457	
							MW-3	30.0	1507	
							MW-3	30.0	1517	

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	12-28-05
	Richmond, CA	DATE PREPARED:	12/22/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

SITE VISITATION REPORT

Name(s) Peng Vang Date: 12-28-05 Did you call in? (Yes) No

Arrival Time: 1345 "Departure Time: _____ Who did you call? Daniell Gatlin Wright

Weather Notations: SUN (RAIN) SNOW Temperature _____ F

DRUM INVENTORY

1	WATER		CARBON	TOTAL OPEN TOP	2
	SOIL	1	EMPTY	TOTAL BUNG TOP	

HEALTH AND SAFETY ASSESSMENT

INSTRUMENT CALIBRATION NOTES

Instrument Type YSI DO meter

Instrument Calibration Method and Results

Calibration Readings **Pre Injection:** 8.9 **Post Injection:** 8.4

Agitated Water Readings: **Pre Injection:** 8.9 **Post Injection:** 8.7

Instrument Type QRAE LEL O_2 meter.

Instrument Calibration Method and Results

Instrument Type Solinst Water level meter

Instrument Calibration Method and Results

Instrument Type

Instrument Calibration Method and Results

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	12-28-05
	Richmond, CA	DATE PREPARED:	12/22/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Field Work Conducted By: Date:

1045 - 1130 Drive to Santa Rosa
1130 - 1215 Get O_2
1215 - 1345 Drive to Richmond.
1345 - 1400 Check in
1400 - 1500 Waited for delivery Drives to Be Done so I would n't be Blocking another entrance. DO and DTW
1500 - 1515 Set up.
1515 - 1600 Inject 1 + 2 + 3
1600 - 1615 Post DO.
1615 - 1630 Wrap up
1630 - 1700 Drive to hotel & check in

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	12-28-05
	Richmond, CA	DATE PREPARED:	12/22/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

WORK REQUEST FORM

WELL I.D.	DTB ft bgs	WELL DIAM.	DTW ft TOC	D.O. Before Injection (mg/L)	D.O. Before Injection time	D.O. After Injection (mg/L)	D.O. After Injection time	COMMENTS
MW-1	20.0	2"	9.64	1.4	1423	1.1	1617	
MW-2	20.0	2"	9.59	1.5	1414	1.3	1607	
MW-3	20.0	2"	9.65	15.1	1403	37.7	1603	
MW-4	24.5	2"						No DO measurement
MW-5	24.0	2"						No DO measurement
I-1	27.0	3/4"						Sealed well
I-2	27.0	3/4"						Sealed well
I-3	27.0	3/4"						Sealed well

JOB NAME:	7-Eleven Store #20244	JOB NUMBER:	77EL.20244.05.1006
SITE ADDRESS:	3625 MacDonald Ave.	START DATE:	12-28-05
	Richmond, CA	DATE PREPARED:	12/22/05
PREPARED FOR:	Peng Vang	PREPARED BY:	Sid Sewalia

Oxygen Injection Monitoring Summary

Injection Well	Time			O2 Injection Pressure (PSI)	O2 Injection Volume (cubic Feet)	O2 Injection Rate (cfm)	Adjacent Monitoring Point	O2 Reading Vadose		NOTES
	Start	Finished	Elapsed					(% LEL)	Time	
I-1, I-2, I-3										
--	--	--	--		--	--	MW-1	20.9	1523	Pre-injection Readings
--	--	--	--		--	--	MW-2	20.9	1520	Pre-injection Readings
							Mw-3	20.9	1516	Pre-injection Readings
I-1, I-2, I-3	1515	1600	45	25	150	5	MW-1	3.1	1533	
							MW-1	2.0	1543	
							MW-1	1.7	1553	
							MW-2	22.1	1530	
							MW-2	20.4	1540	
							MW-2	16.1	1550	
							MW-3	30.0	1526	
							MW-3	30.0	1536	
							MW-3	30.0	1546	