SECOR

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Quarterly Groundwater Monitoring Report
Third Quarter 2005

7-Eleven Store #23233
8499 Gerber Road
Sacramento, California

SECOR Project No.: 77EL.23233.05

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

September 7, 2005

Prepared by:

Colin Ryan
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Reviewed By:

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Associate Scientist

Reviewed by:

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Senior Geologist

REGISTERED GEOLOGIST
DANIEL J. DAVIS
No. 6435
STATE OF CALIFORNIA

DATE: September 7, 2005

7-ELEVEN, INC. QUARTERLY REPORT

Store Number:	**7-Eleven Store #23233**
Site Address:	8499 Gerber Road, Sacramento, CA
7-Eleven Contact:	Mr. Ken Hilliard
Consulting Company:	SECOR International, Inc. – Mr. Jaff Auchterlonie
SECOR Project No.:	77EL.23233.05
Primary Agency:	Sacramento County Environmental Management Department (SCEMD)

WORK PERFORMED THIS QUARTER [Third – 2005]

1. Conducted groundwater monitoring and sampling on July 15, 2005.
2. Prepared quarterly groundwater sampling and status report.

WORK PROPOSED FOR NEXT QUARTER [Fourth – 2005]

1. Perform quarterly groundwater monitoring and sampling.
2. Prepare status report.

DISCUSSION

The site is an active 7-Eleven convenience store and retail gasoline fueling facility with three 10,000-gallon gasoline underground storage tank (UST) (Figures 1 and 2). The current groundwater monitoring and sampling data are summarized in Table 1, and presented on Figures 2 and 3. Historical groundwater monitoring and sampling results are summarized in Table 2. The well completion details are summarized in Table 3.

Current Site Information	
Current Phase of Project:	Groundwater Monitoring
Frequency of Monitoring and Sampling:	Quarterly, Three wells- MW-1 through MW-3
Are Liquid Phase Hydrocarbons Present On-site:	No
Water Supply Wells within a 2,000-foot radius and their Respective Direction:	Two wells located approx. 1,850 ft to the northwest
Current Remediation Techniques:	None
Permits for Discharge:	None
Historic Range in Depth to Water, Q1-04 to Q3-05	MW-1, 72.81 to 76.24 feet bgs
Current Quarter Monitoring Data	(See Figure 2 and Table 1)
Wells Monitored and Sampled:	Three wells- MW-1 through MW-3
Dissolved Oxygen Concentrations Measured In:	Three wells- MW-1 through MW-3
Depth to Groundwater (DTW)	72.70 to 73.71 ft bgs
Average Change in Groundwater Elevation Since Last Event:	0.94 foot decrease

Groundwater Flow Direction and Gradient:	North @ 0.0008 foot per foot (Figure 2)
Current Quarter Analytical Data	(See Figure 3 and Table 1)
Maximum TPHg Concentrations	Not Detected, <50 µg/L
Maximum Benzene Concentrations	Not Detected, <0.50 µg/L
Maximum MtBE Concentrations	Not Detected, <0.50 µg/L
Maximum TBA Concentrations	Not Detected, <5.0 µg/L

BACKGROUND

On March 8, 1996, soil samples D1-2.5 through D3-3.0, and product line trench samples T-1-2.0 through T-4-2.5, were collected beneath the dispensers and along product lines at the site during a fuel line upgrade. The highest concentration of total petroleum hydrocarbons as gasoline (TPHg), 1,100 milligrams per kilogram (mg/kg) was detected in soil sample D-3-2.5' collected under the southwestern dispenser. Concentrations of methyl-tert-butyl ether (MtBE) ranged from 0.054 mg/kg to 0.09 mg/kg; benzene was not detected in any dispenser or product line soil samples (Groundwater Technology Inc, 1996).

On March 12 and 13, 1996, additional soil samples (D-1-6.0 through D-3G-8) were collected within the canopy foundation footings to define the extent of petroleum hydrocarbon contamination beneath the dispensers. The highest concentrations of benzene and TPHg were detected in soil sample D-3C-6' at 0.091 mg/kg and 110 mg/kg, respectively. MtBE was not detected above laboratory reporting limits in any canopy footing soil samples (GTI, 1996).

On March 15, 1996, GTI submitted an Unauthorized Release Report to the SCEMD. On March 21, 1996, Cris Hamilton with the SCEMD confirmed via phone that the vertical extent of contamination was adequately defined and no further action would be necessary at the site.

On July 17, 2003, SECOR collected soil samples beneath the two fuel dispensers during fuel system upgrade work. Concentrations of MtBE were detected at 0.18 mg/kg (D1-3.0') and 0.053 mg/kg (D2-2.5'). Tert-amyl-methyl ether (TAME) was reported at a concentration of 0.0066 mg/kg in soil sample D1-3.0'. Soil samples did not contain concentrations of TPHg, benzene, toluene, ethylbenzene and xylenes (BTEX), diisopropyl ether (DIPE), ethyl-tert-butyl ether (EtBE), tert-butyl alcohol (TBA) or 1,2-dichloroethane (1,2 DCA) above laboratory reporting limits.

Based on the presence of reportable concentrations of petroleum hydrocarbons in the soil samples collected beneath the dispensers, SCEMD filed an Unauthorized Release Form on October 30, 2003.

SECOR submitted a Site Assessment Report with the SCEMD on June 23, 2004, requesting site closure due to the absence of hydrocarbons detected above reporting limits since monitoring was initiated. The SCEMD conditionally approved site closure in a letter

dated August 26, 2004, requesting SECOR submit a formal site closure package. SECOR submitted a formal *Site Closure Request*, to the SCEMD in a letter dated March 16, 2005.

MONITORING AND SAMPLING PROCEDURES

The depth to water was measured to within 0.01 feet bgs in monitoring wells MW-1 through MW-3 from the top of casing (TOC) using a water level indicator. Dissolved oxygen concentrations were also measured in the wells 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 the wells. The sampling procedure for the wells 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, the water level was allowed to recover to 80% of the original level 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-3 were analyzed for the presence of TPHg, BTEX, MtBE, TBA, DIPE, EtBE, TAME, and 1,2-DCA 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. No hydrocarbon constituents were present in groundwater above laboratory reporting limits.

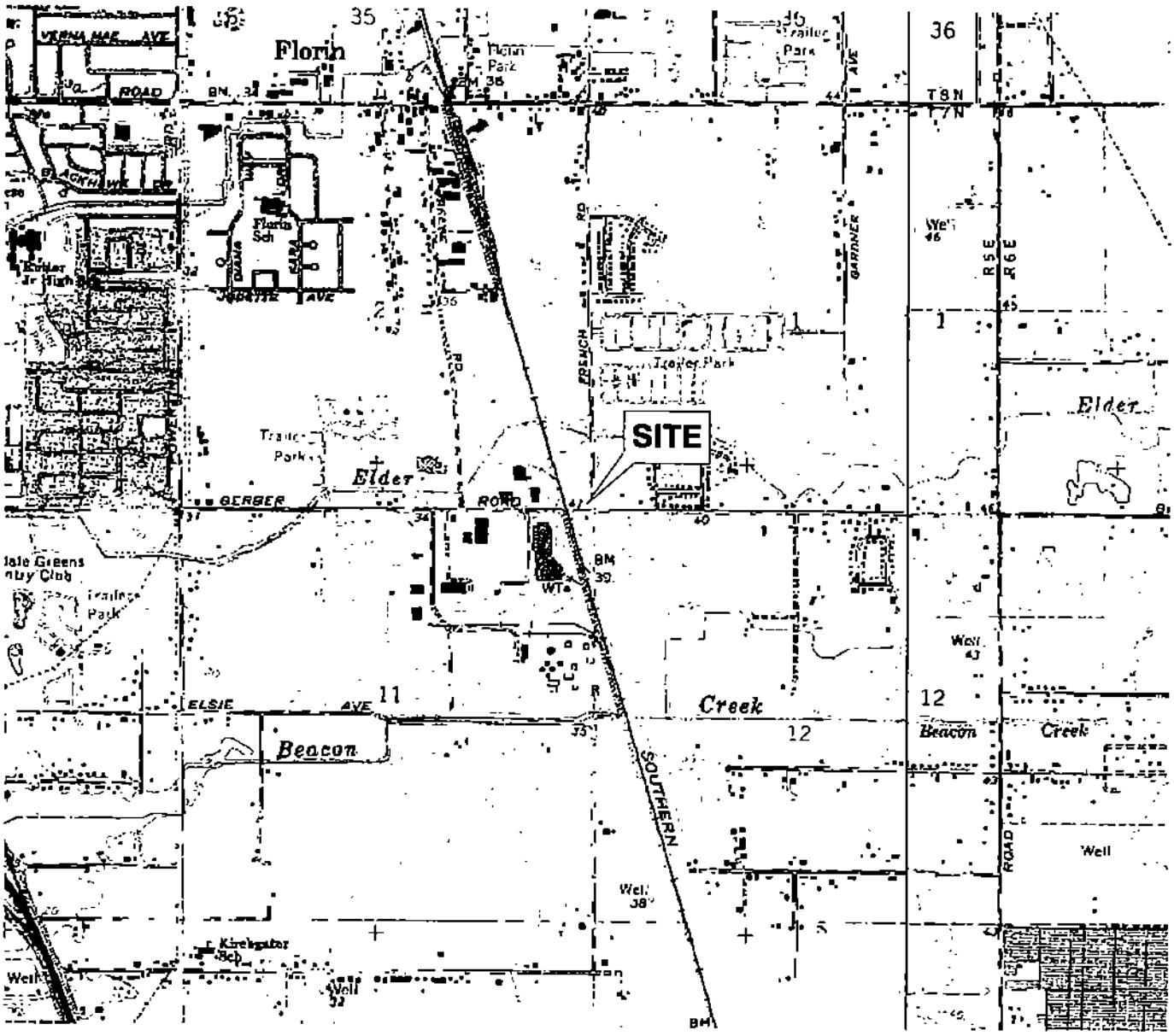
PURGE AND RINSATE WATER DISPOSAL

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 water is transported quarterly by Belshire Environmental to DeMenno Kerdoon in Compton, California, for disposal.

ATTACHMENTS
Figures
Tables
Attachment A – Field Notes
Attachment B – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Ms. Laura McLean, Sacramento County Environmental Management Department
Ms. Cori Condon, California Regional Water Quality Control Board, Central Coast Region
Mr. John Wainwright, SECOR, 308 East 4500 South, Suite 100, Murray, Utah 84107-3957

FIGURES



REFERENCE: DELORME TOPOQUAD, CALIFORNIA
NORTH REGION 5

N

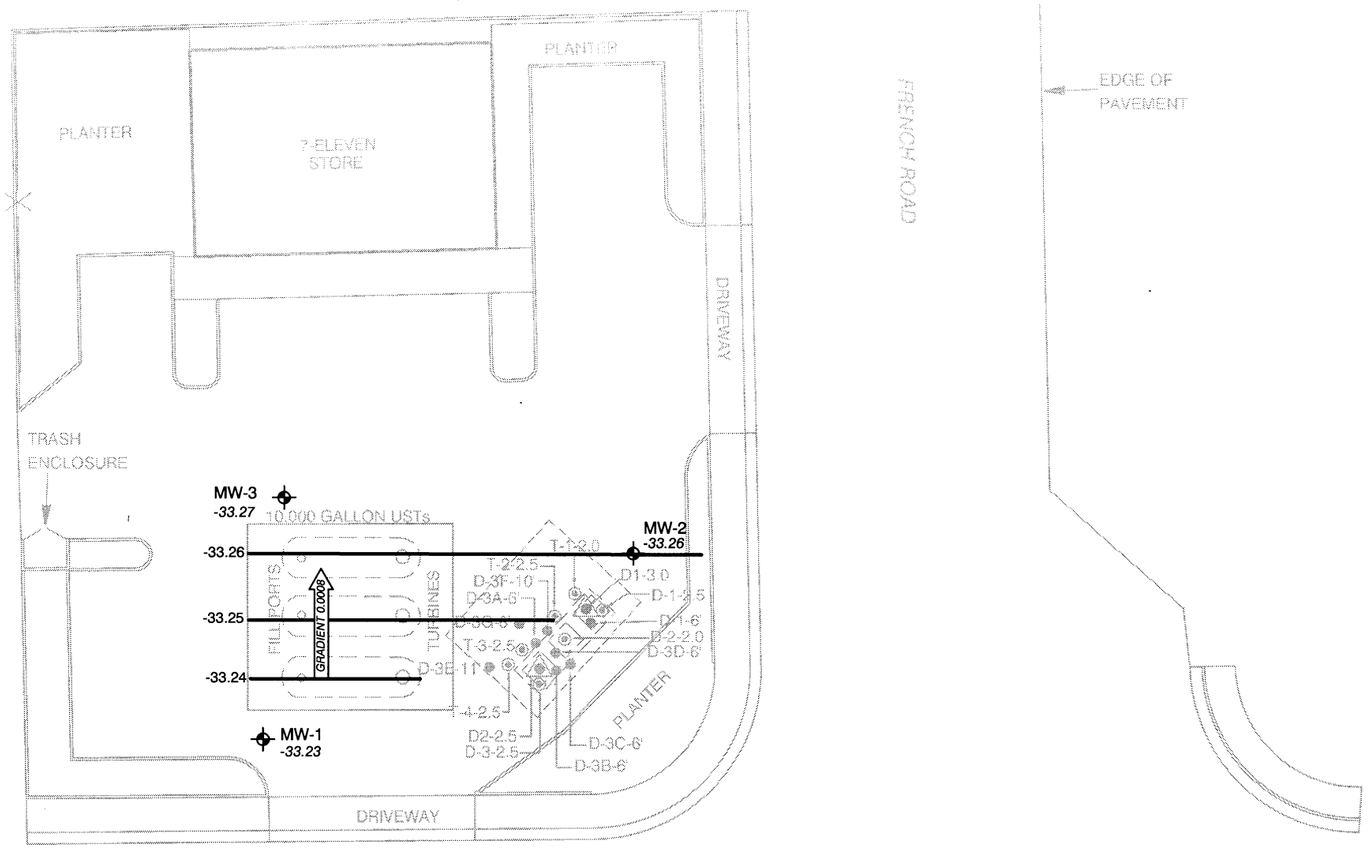
0 2000 4000
SCALE IN FEET

SECOR

DRAWN	DWR
APPR	JSA
DATE	16/7/04 DWR
JOB NO.	77EL.23233.03.0518

FIGURE 1
7-ELEVEN, INC.
FACILITY NO. 23233
8499 GERBER ROAD
SACRAMENTO, CALIFORNIA
SITE LOCATION MAP

M:\CAD\7-11\23233\SITELOC.CDR



LEGEND:

- MW-1 — GROUNDWATER MONITORING WELL
- SOIL SAMPLE LOCATIONS - MARCH 8, 1996
- SOIL SAMPLE LOCATIONS - MARCH 12 & 13, 1996
- SOIL SAMPLE LOCATIONS - JULY 17, 2003
- FENCING
- 0.0 — GROUNDWATER ELEVATION
- 0.0 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- GRADIENT — GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

N

0 30 60

SCALE IN FEET

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

SECOR
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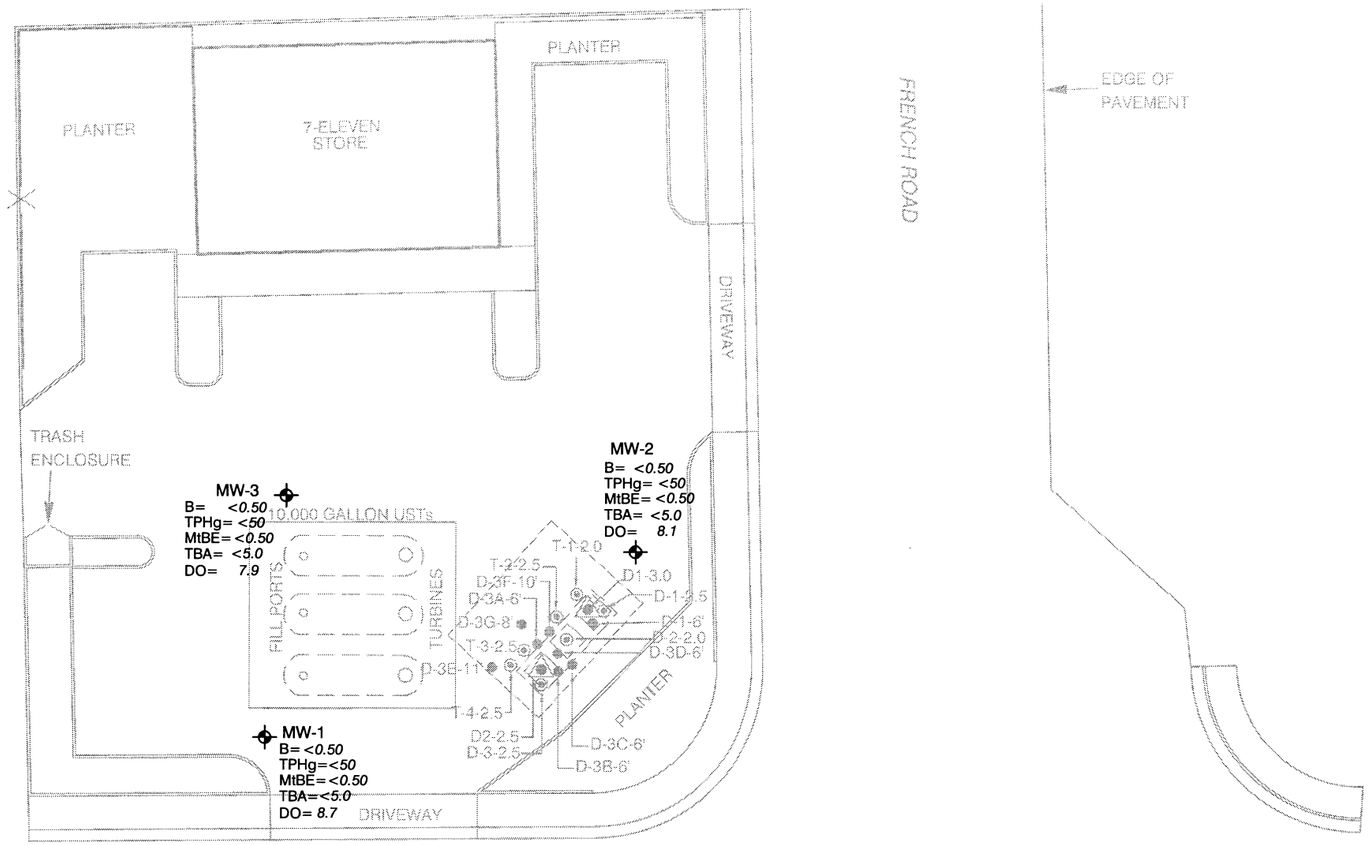
RANCHO CORDOVA, CALIFORNIA
PHONE: (916) 861-0400/861-0430 (FAX)

FOR: 7-ELEVEN FACILITY NO. 23233 8499 GERBER ROAD SACRAMENTO, CALIFORNIA		GROUNDWATER ELEVATION CONTOUR MAP JULY 15, 2005		FIGURE: 2
JOB NUMBER: 77EL.23233.05	DRAWN BY: MDR	CHECKED BY: MD	APPROVED BY: JSA	DATE: 2/17/05



LEGEND:

MW-1	GROUNDWATER MONITORING WELL
	SOIL SAMPLE LOCATIONS - MARCH 8, 1996
	SOIL SAMPLE LOCATIONS - MARCH 12 & 13, 1996
	SOIL SAMPLE LOCATIONS - JULY 17, 2003
TPHg	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE µg/L
B	BENZENE µg/L
MtBE	METHYL TERTIARY 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 NOVEMBER 2002, AND IS INTENDED FOR ILLUSTRATION ONLY.

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FOR: 7-ELEVEN FACILITY NO. 23233
8499 GERBER ROAD
SACRAMENTO, CALIFORNIA

GROUNDWATER HYDROCARBON CONCENTRATION MAP JULY 15, 2005

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77EL.23233.05	MDR	MD	JSA	2/17/05

Q:\CADD-77\7-Eleven\23233\AUTOPOST2005\7-11_23233 GW CONC 05-3Q.dwg, 8/5/2005 10:01:37 AM, mramirez, SACRAMENTO 077

TABLES

Table 1
Third Quarter 2005 Groundwater Monitoring and Analytical Data

7-Eleven Store #23233
8499 Gerber Road
Sacramento, 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)	1,2 DCA (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-1 40.48	07/15/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		8.7	73.71	0.00	-33.23
MW-2 39.44	07/15/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		8.1	72.70	0.00	-33.26
MW-3 40.18	07/15/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.9	73.45	0.00	-33.27

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
1,2-DCA = 1,2-dichloroethane
µg/L = micrograms per liter
mg/L = milligrams per liter
-- = not measured

Notes

Samples analyzed by EPA Method 8260B.

Table 2
Historical Groundwater Monitoring and Analytical Data

7-Eleven Store #23233
8499 Gerber Road
Sacramento, 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)	1,2-DCA (µg/L)	Notes	Dissolved Oxygen (mg/L)	DTW (feet)	SPT (feet)	WTE (feet)
MW-1																	
40.48	05/20/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		6.6	74.84	0.00	-34.36
	08/27/04	**1.0**	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		2.4	76.01	0.00	-35.53
	09/17/04	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	--		--	76.17	0.00	-35.69
	10/14/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.5	76.24	0.00	-35.76
	01/14/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		6.4	74.62	0.00	-34.14
	04/27/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		--	72.81	0.00	-32.33
	07/15/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		8.7	73.71	0.00	-33.23
MW-2																	
39.44	05/20/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		6.2	73.84	0.00	-34.40
	08/27/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		9.3	75.01	0.00	-35.57
	10/14/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.2	75.23	0.00	-35.79
	01/14/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.6	73.63	0.00	-34.19
	04/27/05	<0.50	<0.50	<0.50	<0.50	<50	**4.3**	<5.0	<0.50	<0.50	<0.50	<0.50		--	71.83	0.00	-32.39
	05/19/05	<0.50	**0.53**	<0.50	<0.50	<50	**1.7**	<5.0	<0.50	<0.50	<0.50	<0.50	a	--	71.70	0.00	-32.26
	07/15/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		8.1	72.70	0.00	-33.26
MW-3																	
40.18	05/20/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		6.4	74.58	0.00	-34.40
	08/27/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.7	75.74	0.00	-35.56
	10/14/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		6.5	75.95	0.00	-35.77
	10/14/04	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.1	74.34	0.00	-34.16
	04/27/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		--	72.53	0.00	-32.35
	07/15/05	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50		7.9	73.45	0.00	-33.27

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
1,2-DCA = 1,2-dichloroethane
µg/L = micrograms per liter
mg/L = milligrams per liter
-- = Not Analyzed/ Not Measured

Notes

Samples analyzed by EPA Method 8260B.
a = Well was re-sampled to verify the presence of MtBE

Table 3
Soil Boring and Well Construction Details

7-Eleven Store #23233
8499 Gerber Road
Sacramento, 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
Groundwater Monitoring Wells							
MW-1	05/06/04	85	2	65	85	20	
MW-2	05/06/04	85	2	65	85	20	
MW-3	05/05/04	83	2	63	83	20	

Explanation
Wells constructed with polyvinyl-chloride (PVC) casing
bgs = Below ground surface

ATTACHMENT A
FIELD NOTES

Quarterly Groundwater Monitoring
Report – Third Quarter 2005
7-Eleven Store #23233
8499 Gerber Road
Sacramento, California

JOB NAME:	7-Eleven Store #23233	JOB NUMBER:	77EL.23233.05.0703
SITE ADDRESS:	8499 Gerber Road	START DATE:	
	Sacramento, CA	DATE PREPARED:	7/10/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Tom Miller

SITE VISITATION REPORT

Name(s) Peng Vang Date: 7-15-05 Did you call in? (Yes) No

Arrival Time: 1530 "Departure Time: Who did you call? Tom miller

Weather Notations: (SUN) CLOUDY RAIN SNOW Temperature 98 F

DRUM INVENTORY

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

HEALTH AND SAFETY ASSESSMENT

Traffic - moderate to Low. Setup deliniators for safty & visability. Safty Glasses - reflective vest.

CALIBRATION

Ec Calibration Reading 1413

pH Two Pt. Calibration: Reading1 7.01 Reading 2 4.01

DO Calibration

Pre-Calibration reading 7.1 Calibration Reading 7.2 Post Calibration Reading

Agitated Water Readings Pre M&S: 7.2 Post M&S:

DESCRIPTION OF ACTIVITIES ONSITE AND NOTES

@ Arrived on site check in with store manager. Review HASP. Locate & open wells Decon good & gauge wells - Decon & get DO reading Decon & Purge wells - grab ~~take~~ sample & lapel with well ID. Transfer water to drum on site.

JOB NAME:	7-Eleven Store #23233	JOB NUMBER:	77EL.23233.05.0703
SITE ADDRESS:	8499 Gerber Road	START DATE:	
	Sacramento, CA	DATE PREPARED:	7/10/2005
PREPARED FOR:	Peng Vang	PREPARED BY:	Tom Miller

GROUNDWATER GAUGING FORM

MEASURED TO TOC OR GRADE? Top of Casing

WELL I.D.	DTB	WELL DIAM.	WELL ELEV. TOC	DTW	GAUGED DTB	DTP/PT	D.O. (mg/L)	80% RECHG.	COMMENTS Please note if well needs locking cap or street box repair
MW-1	83	2"		73.71	84.93		8.7		
MW-2	85	2"		72.70	83.30		8.1		
MW-3	85	2"		73.45	82.90		7.9		
	Estimated Purge Water Volume			0 gallons			0.00 Drums		

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #23233 PURGED BY: Peng Vang WELL I.D.: MW- 1

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

LOCATION: 8499 Gerber Road, Sacramento, CA QA SAMPLES: None

DATE PURGED 7-15-05 START (2400hr) 1433 END (2400hr) 1451

DATE SAMPLED 7-15-05 SAMPLE TIME (2400hr) 1505

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) = 84.93 CASING VOLUME (gal) = 1.7

DEPTH TO WATER (feet) = 73.71 CALCULATED PURGE (gal) = 5.7

WATER COLUMN HEIGHT (feet) = 11.22 ACTUAL PURGE (gal) = 6.1

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-15-05	1441	Ø	25.9	176	3.89	Semi Clear	Low
↓	1444	2.0	26.7	182	4.18	Lt. Brn	Low
	1447	4.0	25.0	165	4.06	Lt. Brn	Low
	1451	6.0	24.3	163	4.20	Lt. Brn	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 73.80 SAMPLE TURBIDITY: Low

80% RECHARGE: Ø YES ___ NO ANALYSES: BTEX, TPHg, 5 Oxygenates, 1,2-DCA via EPA 8260B

ODOR: Ø 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: DO - 8.7

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #23233 PURGED BY: Peng Vang WELL I.D.: MW-2

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

LOCATION: 8499 Gerber Road, Sacramento, CA QA SAMPLES: None

DATE PURGED 7-15-05 START (2400hr) 1515 END (2400hr) 1537

DATE SAMPLED 7-15-05 SAMPLE TIME (2400hr) 1548

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) = 83.30 CASING VOLUME (gal) = 1.8

DEPTH TO WATER (feet) = 72.70 CALCULATED PURGE (gal) = 5.4

WATER COLUMN HEIGHT (feet) = 10.60 ACTUAL PURGE (gal) = 6.1

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-15-05	1523	Ø	25.5	145	4.08	Lt. BRN	Med
	1527	2.0	24.1	140	4.07	Lt. BRN	Low
	1530	4.0	23.7	139	4.05	Lt. BRN	Low
	1533	6.0	24.5	145	4.08	Lt. BRN	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 72.83 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ___ NO ANALYSES: BTEX, TPHg, 5 Oxygenates, 1,2-DCA via EPA 8260B

ODOR: Ø 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: DO - 8.1

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 7-Eleven Store #23233 PURGED BY: Peng Vang WELL I.D.: MW- 3

CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Peng Vang SAMPLE I.D.: MW-3

LOCATION: 8499 Gerber Road, Sacramento, CA QA SAMPLES: None

DATE PURGED 7-15-05 START (2400hr) 1600 END (2400hr) 1621

DATE SAMPLED 7-15-05 SAMPLE TIME (2400hr) 1633

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) = 82.90 CASING VOLUME (gal) = 1.6

DEPTH TO WATER (feet) = 73.45 CALCULATED PURGE (gal) = 4.8

WATER COLUMN HEIGHT (feet) = 9.45 ACTUAL PURGE (gal) = 6.1

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
7-15-05	1609	Ø	25.4	153	3.89	Lt. Brn	Low
↓	1613	2.0	23.7	148	3.87	Lt. Brn	Low
↓	1617	4.0	23.1	143	3.85	Semi Clear	Low
✓	1621	6.0	23.2	141	3.91	Semi Clear	Low

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 73.53 SAMPLE TURBIDITY: Low

80% RECHARGE: X YES ____ NO ANALYSES: BTEX, TPHg, 5 Oxygenates, 1,2-DCA via EPA 8260B

ODOR: Ø 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: DO - 7.9

SIGNATURE: P. Vang

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

Quarterly Groundwater Monitoring
Report – Third Quarter 2005
7-Eleven Store #23233
8499 Gerber Road
Sacramento, California

KIFF Analytical LLC

Report Number : 44833
Date : 7/25/2005

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

Subject : 3 Water Samples
Project Name : 7-Eleven Store #23233
Project Number : 77EL.23233.05

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

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

RECEIVED JUL 25 2005

KIFF Analytical LLC

Report Number : 44833
Date : 7/25/2005

Project Name : **7-Eleven Store #23233**
Project Number : **77EL.23233.05**

Sample : **MW-1** Matrix : Water Lab Number : 44833-01
Sample Date :7/15/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	7/22/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/22/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	7/22/2005
Toluene - d8 (Surr)	96.4		% Recovery	EPA 8260B	7/22/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	7/22/2005
Dibromofluoromethane (Surr)	118		% Recovery	EPA 8260B	7/22/2005
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	7/22/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44833

Date : 7/25/2005

Project Name : **7-Eleven Store #23233**

Project Number : **77EL.23233.05**

Sample : **MW-2** Matrix : Water Lab Number : 44833-02

Sample Date :7/15/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	7/19/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/19/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	7/19/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	7/19/2005
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	7/19/2005
Dibromofluoromethane (Surr)	98.4		% Recovery	EPA 8260B	7/19/2005
1,2-Dichloroethane-d4 (Surr)	99.7		% Recovery	EPA 8260B	7/19/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44833

Date : 7/25/2005

Project Name : **7-Eleven Store #23233**

Project Number : **77EL.23233.05**

Sample : **MW-3** Matrix : Water Lab Number : 44833-03

Sample Date :7/15/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	7/25/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/25/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	7/25/2005
Toluene - d8 (Surr)	95.5		% Recovery	EPA 8260B	7/25/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	7/25/2005
Dibromofluoromethane (Surr)	117		% Recovery	EPA 8260B	7/25/2005
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	7/25/2005

Approved By: Joel Kiff

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

Report Number : 44833

Date : 7/25/2005

QC Report : Method Blank Data

Project Name : **7-Eleven Store #23233**

Project Number : **77EL.23233.05**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/21/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/21/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	7/21/2005
Toluene - d8 (Surr)	96.1		%	EPA 8260B	7/21/2005
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	7/21/2005
Dibromofluoromethane (Surr)	116		%	EPA 8260B	7/21/2005
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	7/21/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	7/25/2005
Toluene - d8 (Surr)	95.2		%	EPA 8260B	7/25/2005
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	7/25/2005
Dibromofluoromethane (Surr)	116		%	EPA 8260B	7/25/2005
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	7/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/19/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/19/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	7/19/2005
Toluene - d8 (Surr)	99.7		%	EPA 8260B	7/19/2005
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	7/19/2005
Dibromofluoromethane (Surr)	97.9		%	EPA 8260B	7/19/2005
1,2-Dichloroethane-d4 (Surr)	97.8		%	EPA 8260B	7/19/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 44833

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 7/25/2005

Project Name : **7-Eleven Store #23233**

Project Number : **77EL.23233.05**

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	44838-01	<0.50	40.0	40.0	41.5	41.0	ug/L	EPA 8260B	7/21/05	104	102	1.23	70-130	25
Toluene	44838-01	<0.50	40.0	40.0	39.3	38.6	ug/L	EPA 8260B	7/21/05	98.2	96.6	1.70	70-130	25
Tert-Butanol	44838-01	<5.0	200	200	202	200	ug/L	EPA 8260B	7/21/05	101	99.9	1.04	70-130	25
Methyl-t-Butyl Ether	44838-01	<0.50	40.0	40.0	41.6	41.1	ug/L	EPA 8260B	7/21/05	104	103	1.21	70-130	25
Benzene	44833-03	<0.50	40.0	40.0	40.4	39.6	ug/L	EPA 8260B	7/25/05	101	99.1	2.02	70-130	25
Toluene	44833-03	<0.50	40.0	40.0	37.7	37.1	ug/L	EPA 8260B	7/25/05	94.3	92.7	1.74	70-130	25
Tert-Butanol	44833-03	<5.0	200	200	196	194	ug/L	EPA 8260B	7/25/05	98.2	96.8	1.38	70-130	25
Methyl-t-Butyl Ether	44833-03	<0.50	40.0	40.0	39.8	39.4	ug/L	EPA 8260B	7/25/05	99.4	98.5	0.899	70-130	25
Benzene	44833-02	<0.50	40.0	40.0	40.3	39.8	ug/L	EPA 8260B	7/19/05	101	99.5	1.34	70-130	25
Toluene	44833-02	<0.50	40.0	40.0	39.8	38.9	ug/L	EPA 8260B	7/19/05	99.6	97.2	2.52	70-130	25
Tert-Butanol	44833-02	<5.0	200	200	197	200	ug/L	EPA 8260B	7/19/05	98.7	100	1.31	70-130	25
Methyl-t-Butyl Ether	44833-02	<0.50	40.0	40.0	42.2	38.5	ug/L	EPA 8260B	7/19/05	106	96.4	9.06	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 44833

Date : 7/25/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **7-Eleven Store #23233**

Project Number : **77EL.23233.05**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	7/21/05	100	70-130
Toluene	40.0	ug/L	EPA 8260B	7/21/05	97.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/21/05	99.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/21/05	100	70-130
Benzene	40.0	ug/L	EPA 8260B	7/25/05	97.1	70-130
Toluene	40.0	ug/L	EPA 8260B	7/25/05	94.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/25/05	112	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/25/05	95.3	70-130
Benzene	40.0	ug/L	EPA 8260B	7/19/05	96.7	70-130
Toluene	40.0	ug/L	EPA 8260B	7/19/05	98.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/19/05	96.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/19/05	93.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Chain of Custody Number: 44833

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 #23233
Location: 8499 Gerber Road
Sacramento, CA

Project # 77EL.23233.05 Task # 0410
Project Manager Jaff Auchterlonie
Laboratory Kiff Analytical
Turnaround Time Standard

Sampler's Name Peng Vang
Sampler's Signature Peng Vang

Analysis Request

Sample ID	Date	Time	Matrix	HCl-preserved	TPHg/BTEX/5 Oxygenates 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)	1,2-DCA - EPA 8260B						Comments/ Instructions	Number of Containers
MW-1	7-15-05	1505	WATER	x	X							X						01	3
MW-2		1548	WATER	x	X							X						02	3
MW-3		1635	WATER	x	X							X						03	3

Sample Receipt
Temp °C 5.6°C Therm. ID# IR-3
Initial SWH Date 071805
Time 1420 Coolant present (Y) N

Special Instructions/Comments
5 Oxygenates - MtBE, EtBE, DIPE, TBA, TAME
Global ID #T0606762020 (SIRC)
email EDD to cryan@secor.com
email lab report to dherzog@secor.com and dacatlin@secor.com

Relinquished by: Peng Vang
Sign Peng Vang
Print Peng Vang
Company Secor
Time Date 7-15-05

Received by:
Sign
Print
Company
Time Date

Relinquished by:
Sign
Print
Company
Time Date

Received by: SWH
Sign Jason N Hernandez
Print Jason N Hernandez
Company Kiff Analytical LLC
Time 1200 Date 071805

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

Client: SECOR
Client Contact: Tom Miller
Client Phone: (916) 861-0400 ext. 279

SECOR CUSTREC Rev. 2/99

Date: 7-15-05 Page 1/1