

Stantec Consulting Services Inc. 3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Tel: (916) 861-0400

Fax: (916) 861-0430

September 27, 2012

RECEIVED

5:44 pm, Oct 08, 2012

Alameda County
Environmental Health

Mr. Jerry Wickham Alameda County Environmental Health Services Environmental Protection 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

RE: Enclosed Quarterly Groundwater Monitoring Report,

Third Quarter 2012
7-Eleven Store #32266
1339 North Vasco Road
Livermore, CA 94551
Stantec Project #:211502037.230.0506

Dear Mr. Wickham:

Stantec Consulting Services Inc. has been designated as Limited Agent of 7-Eleven, Inc. (7-Eleven) for the purposes of executing and delivering instruments and documents on behalf of 7-Eleven (see attached Limited Authorization form).

We declare, under penalty of perjury, that the information and/or recommendations contained in the attached assessment report are true and correct to best of our knowledge.

Should you have any questions regarding this site, please contact the undersigned at (916) 861-0400.

Sincerely,

Stantec Consulting Services Inc.

Damon Brown

Senior Geologic Consultant

Project Manager

Amanda Magee, P.G Associate Geologist

AMANDA MAGEE No. 8908

FOF CALIFORN

LIMITED AUTHORIZATION

KNOW ALL MEN BY THESE PRESENTS:

That 7-ELEVEN, INC. ("7-Eleven"), a Texas corporation, acting by and through Doug Rosencrans, Vice President, does hereby nominate, constitute and appoint STANTEC CONSULTING SERVICES INC. a Delaware corporation formerly known as Stantec Consulting Corporation, as Limited Agent ("Agent") of 7-Eleven, for purposes of executing and delivering instruments and documents as more particularly described below, and does hereby grant, delegate and invest said Agent with power and authority to execute and deliver for, in the name of, and on behalf of 7-Eleven, and in connection with that certain Amended and Restated Agreement by and between 7-Eleven and Agent dated as of January 1, 2010 (as amended, the "Agreement"), the instruments and documents listed in Attachment I hereto.

Agent may exercise the power and authority herein granted, delegated and invested, in any particular and appropriate transaction or matter, as an agent of 7-Eleven. Any instruments and documents executed and delivered by Agent under this Limited Authorization shall be acts of 7-Eleven and may be relied upon by third parties dealing with 7-Eleven, such acts being hereby ratified and confirmed by virtue hereof. Agent shall deliver all instruments and documents executed and delivered by Agent under this Limited Authorization to 7-Eleven promptly following such execution and delivery.

Any and all acts of Agent hereunder shall comply with all applicable federal, state and local laws, regulations, rules and ordinances and with all applicable orders of any courts of competent jurisdiction.

This Limited Authorization shall expire upon the expiration or earlier termination of the Agreement, except as otherwise provided therein, or may be terminated at any time for any reason by 7-Eleven.

APPROVED AND EXECUTED this 10th day of January, 2012, to be effective as of the date hereof.

7-ELEVEN, INC.

ATTEST:

Assistant Secretary

Name: Doug Rosencrans

Title Vice President

STATE OF TEXAS
COUNTY OF DALLAS

BEFORE ME, the undersigned, a Notary Public in and for the County and State aforesaid, on this day personally appeared Doug Rosencrans and Steven R. Seldowitz, Vice President and Assistant Secretary, respectively, of 7-Eleven, Inc., known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that the same was the act of the said corporation, a Texas corporation, and that they executed the same as the act of such corporation for the purposes and consideration therein expressed and in the capacities therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 10th day of January, 2012.

NOTARY PUBLIC

My Commission Expires:

5-1.2013

ATTACHMENT I

Such permits, reports, applications and other documentation issued by any federal, state or local governmental authority and such other standard form documentation provided by 7-Eleven or third parties to be completed in connection with Agent's performance of environmental consulting services pursuant to the Agreement, including, without limitation, the following:

- a. Waste Manifests;
- b. Waste Characterization Forms;
- c. Bills of Lading;
- d. Waste Disposal Agreements;
- e. Registration and Notification Forms for underground storage tanks;
- f. Incident Reports;
- g. Discharge Notification Forms;
- h. Tank Closure Reports;
- i. Permit Applications, Notices and other documents relating to the investigation, monitoring or remediation work performed under the Agreement;
- j. Reports to state environmental agencies regarding investigation, monitoring or remediation work performed under the Agreement; and
- k. Applications to any state underground storage tank insurance or reimbursement fund;

<u>Provided</u>, however, that in each case, the foregoing authorization shall not extend to any permits, reports, applications or other documentation that contain: (i) any language, the effect of which is to require 7-Eleven to indemnify, defend and/or hold harmless any third party for any act or omission of any kind; or (ii) any statement of any kind, including, without limitation, any representation or warranty, which Agent does not personally know to be true and correct, including, without limitation, any representation concerning the legal existence or financial condition of 7-Eleven.

Stantec Consulting Services Inc.

3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Tel: (916) 861-0400 Fax: (916) 861-0430

Quarterly Groundwater Monitoring Report Third Quarter 2012

7-Eleven Store #32266 1339 North Vasco Road Livermore, California

Stantec Project No.: 211502037.230.0506

Submitted to:

Mr. Jerry Wickham Alameda County Environmental Health Services Environmental Protection 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502

Prepared on behalf of:

7-Eleven, Inc. Mr. Jose Rios P.O. Box 711 Dallas, TX 75221-0711

September 27, 2012



Stantec Consulting Services Inc. 3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Tel: (916) 861-0400

Fax: (916) 861-0430

DATE: September 27, 2012

7-ELEVEN, INC. QUARTERLY REPORT

Store Number: 7-Eleven Store #32266

Site Address: 1339 North Vasco Road, Livermore, CA 94551

7-Eleven Contact: Mr. Jose Rios

Consulting Company: Stantec Consulting Services Inc. – Mr. Damon Brown

Stantec Project No.: 211502037.230.0506

Primary Agency: Alameda County Environmental Health Services (ACEHS)

WORK PERFORMED THIS PERIOD [Third Quarter 2012]

- 1. Conducted quarterly groundwater monitoring and sampling on July 24, 2012, and generated the quarterly report.
- 2. Conducted additional offsite assessment per the approved work plan and submitted the initial summary report.

WORK PROPOSED FOR NEXT PERIOD [Fourth Quarter 2012]

- 1. Perform quarterly groundwater monitoring and sampling during fourth quarter 2012, and prepare the quarterly report.
- 2. Generate report summarizing the second phase of offsite assessment.

DISCUSSION

The site is an active 7-Eleven convenience store and retail gasoline fueling facility with one 15,000-gallon gasoline underground storage tank (UST) and one 10,000-gallon gasoline UST (Figures 1 and 2). 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. A groundwater gradient and flow direction diagram is presented as Figure 4 and summarized in Table 4.

Site Information

Current Phase of Project:	Groundwater Monitoring
Frequency of Monitoring and Sampling:	Quarterly, Three wells- MW-1, MW-2, and MW-3
Are Liquid Phase Hydrocarbons Present On-site:	No
Water Supply Wells within a 2,000-foot radius and their Respective Direction:	Three water supply wells (2,000 feet north, south, and southwest of site)
Current Remediation Techniques:	None
Permits for Discharge:	None
Historic Range in Depth to Water, Q1-11 to Q3-12 (Measured Below Top of Casing)	MW-1, 7.88 to 8.51 feet

September 27, 2012 Page 2 of 6

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) (Measured Below Top of Casing)	8.36 to 9.65 feet
Average Change in Groundwater Elevation Since Last Event:	0.17 foot decrease
Groundwater Flow Direction and Gradient:	West-Northwest @ 0.012 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	MW-3, 2,000 μg/L
Maximum TBA Concentrations	MW-3, 50 μg/L

BACKGROUND

In January 2005, two single-walled steel, fiberglass-jacketed USTs (one 10,000-gallon and one 15,000-gallon) were replaced with new double-walled fiberglass USTs. A total of 27 soil samples were collected during the UST replacement activities as follows:

- Five soil samples from the UST excavation.
- Six soil samples from the beneath the product dispensers,
- Five soil samples from the product line trenches,
- Eleven samples (44 samples combined at laboratory for 11 four-part composite samples)
 from the stockpiled UST backfill material.

Total petroleum hydrocarbons as gasoline (TPHg) were not detected above laboratory reporting limits in any of the soil samples collected during the UST replacement activities. The maximum concentrations of tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MtBE) detected were 2.4 milligrams per kilogram (mg/kg) and 2.6 mg/kg, respectively, in UST excavation sample T1-2-12. Total lead was detected in each of the samples at concentrations ranging from 4.98 mg/kg to 28.4 mg/kg.

In addition, a total of three water samples were collected during the 2005 UST replacement activities as follows:

- One grab sample (W1) from water collected/pooled within the excavated UST basin.
- Two samples (BT-1 & BT-2) collected from 20,000-gallon Baker Tanks storing pumped UST excavation water.

MtBE was detected at 180 micrograms per liter (μ g/L) and benzene was reported at 25 μ g/L in UST excavation water sample W1 (Table 2). TPHg was detected at 3,400 μ g/L. No TPHg was detected in either Baker Tank sample (BT-1 or BT-2). Total xylenes were reported in sample BT-1 at 0.70 μ g/L. MtBE was detected in both samples at concentrations of 340 μ g/L (BT-1) and 400 μ g/L (BT-2). Based on the results of the water samples collected, a UST Unauthorized Release report was completed and submitted to the Livermore-Pleasanton Fire Department (LPFD) and the California Regional Water Quality Control Board (CRWQCB).

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On December 4, 2008, a Stantec Consulting Corporation (now Stantec Consulting Services Inc. [Stantec]) field scientist collected soil samples in native soil from beneath four of the six dispensers (D1-5.0, D2-5.0, D3-5.0 and D4-5.0) during fuel system upgrade activities at the site. In addition, Stantec collected four soil samples from stockpiled excavated backfill material. The four stockpile samples were combined at the laboratory for one four-part composite sample SP1(ABCD). TPHg, benzene, toluene, ethyl-benzene and total xylenes (BTEX) were not detected above laboratory reporting limits in the dispenser soil samples collected, with the exception of dispenser sample D2-5. Soil sample D2-5 contained 0.21 mg/kg benzene, 0.59 mg/kg toluene, 0.26 mg/kg ethylbenzene, 1.4 mg/kg xylenes, and 12 mg/kg TPHg. MtBE and TBA were detected exclusively in soil sample D1-5.5, at concentrations of 0.024 mg/kg and 0.0076 mg/kg, respectively. Di-isopropyl ether (DIPE), ethyl tertiary butyl ether (EtBE), and tertiary amyl methyl ether (TAME) were not detected above laboratory reporting limits in any dispenser soil samples collected. BTEX, TPHg, MtBE, TBA, DIPE, ETBE, and TAME were not detected at concentrations above laboratory reporting limits in the stockpiled soil sample collected during this investigation. Total lead was detected at concentration of 4.4 mg/kg.

In a letter dated November 20, 2009, the ACEHS requested the submittal of a work plan to investigate potential soil and groundwater contamination at the site based on ACEHS review of the historical site data. Stantec submitted a *Work Plan for Additional Soil and Groundwater Assessment* to the ACEHS on February 1, 2010. The work plan was subsequently approved by the ACEHS in a letter dated March 22, 2010.

On April 20, 2010, Stantec supervised WDC Exploration and Wells (WDC) of Richmond, California, during the advancement of three direct-push soil borings (GP-1 through GP-3) at the site. Eight soil samples were collected from soil borings GP-1 through GP-3 for laboratory analysis. MtBE was reported in soil boring GP-3 at 10 and 15 feet below ground surface (bgs) at concentrations of 0.023 mg/kg and 1.1 mg/kg, respectively. TBA was exclusively detected in soil boring GP-3 at 15 feet bgs at a concentration of 0.0076 mg/kg. TPHg, BTEX, DIPE, EtBE, and TAME were not detected at concentrations above the laboratory reporting limits in soil samples collected from soil borings GP-1 through GP-3. In addition, grab-groundwater samples were collected from each boring. Grab-groundwater samples GP-2W and GP-3W reported MtBE concentrations of 2.9 μ g/L and 380 μ g/L, respectively. TAME was exclusively detected in grab-groundwater sample GP-3W at a concentration of 0.71 μ g/L. TPHg, BTEX, DIPE, EtBE and TBA were not detected at concentrations above the laboratory reporting limits in grab-groundwater samples GP-1 through GP-3.

On May 17, 2010, Stantec submitted the results of the assessment activities in a report titled *Additional Soil and Groundwater Assessment* to the ACEHS.

In a letter dated July 14, 2010, the ACEHS requested the submittal of a work plan to further assess the extent of soil and groundwater contamination, the hydraulic gradient, and to identify potential receptors within a radius of 2,000 feet of the subject site.

On September 29, 2010, Stantec submitted a *Work Plan for Additional Site Assessment and Results of Detailed Well Survey* to the ACEHS. The work plan was subsequently approved by the ACEHS in a letter dated October 25, 2010.

September 27, 2012 Page 4 of 6

Between February 23 and 24, 2010, Stantec supervised the installation of three groundwater monitoring wells (MW-1, MW-2 and MW-3). On March 25, 2011, Stantec submitted an *Additional Site Assessment* Report to the ACEHS. Soil samples collected from MW-1 and MW-2 did not contain petroleum hydrocarbon concentrations above laboratory reporting limits. MtBE and TBA were reported at concentrations ranging from 0.0082 mg/kg to 0.33 mg/kg in soil samples collected from MW-3.

In a letter dated August 29, 2011, the ACEHS requested the submittal of a work plan for plume delineation to assess whether the plume extends to the water supply of the two wells located approximately 300 feet west of the site. On October 25, 2011, Stantec submitted the *Work Plan for Additional Assessment*. In a letter dated November 21, 2012, the ACEHS requested a revised work plan to address their technical comments. The *Revised Work Plan for Additional Assessment* was submitted on March 5, 2012. The revised work plan was approved by the ACEHS on March 26, 2012.

Between July 10 and 12, 2012, Stantec supervised the advancement of four direct push soil borings (GP-4 through GP-7). On July 20, 2012, Stantec submitted an *Additional Site Assessment Report* to the ACEHS. BTEX and TPHg were not detected above laboratory reporting limits in any of the submitted soil samples; MtBE was detected solely in soil samples collected from GP-5 with a maximum concentration of 0.056 mg/kg. TPHg and MtBE were detected in grab groundwater samples collected from GP-4 and GP-5 at maximum concentrations of 95 μ g/L and 350 μ g/L, respectively.

In an email dated July 24, 2012, the ACEHS approved the locations of proposed monitoring wells MW-4 and MW-5 as proposed in Stantec's July 20, 2012 *Additional Site Assessment Report*.

Between September 4 and 7, 2012, Stantec supervised the installation of one offsite monitoring well (MW-4).

MONITORING AND SAMPLING PROCEDURES

The depth to water was measured to within 0.01 foot bgs in monitoring wells MW-1, MW-2, and 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 Pro20 dissolved oxygen meter equipped with a down hole sensor.

Well purging and sampling equipment was thoroughly cleaned prior to purging and sampling the well. The sampling procedure for the wells included measuring the water level and purging of approximately three casing volumes of water (or to dryness). 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 in Attachment A.

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GROUNDWATER SAMPLE ANALYSES AND RESULTS

The groundwater samples collected from MW-1, MW-2, and MW-3 were analyzed for the presence of BTEX, TPHg, MtBE, TBA, DIPE, EtBE, and 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.

PURGE AND RINSATE WATER DISPOSAL

Water generated during well sampling and equipment cleaning was pumped into a Stantec 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.

The results of this quarterly groundwater monitoring report will be uploaded to the ACEHS FTP site. In addition, the report will be uploaded to the State of California GeoTracker database in EDF format, per California code AB2886.

September 27, 2012 Page 6 of 6

If you have any questions or comments regarding the contents of this report, please contact the undersigned at (916) 861-0400.

Sincerely,

Stantec Consulting Services Inc.

Prepared by:

Colin Ryan

Geologic Project Specialist

Reviewed by:

Damon Brown

Senior Geologic Consultant

Project Manager

Reviewed by:

Amanda Magee, P.G.

Associate Geologist

AMANDA AMANDA

AMANDA

MAGEE

No. 8908

ATTACHMENTS

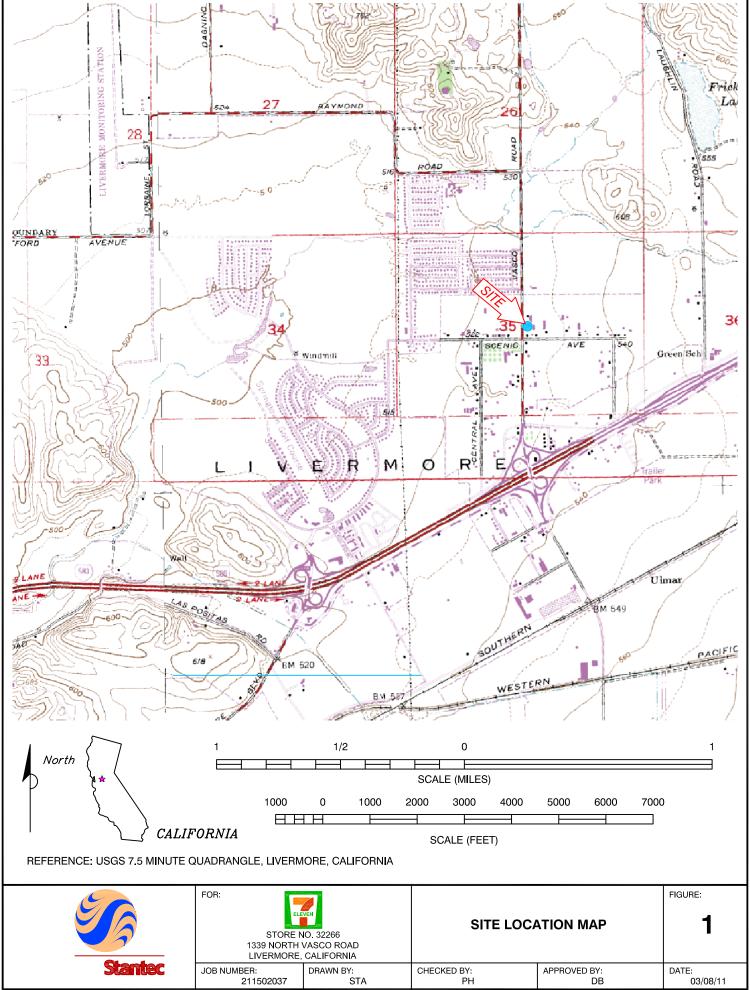
Figures Tables

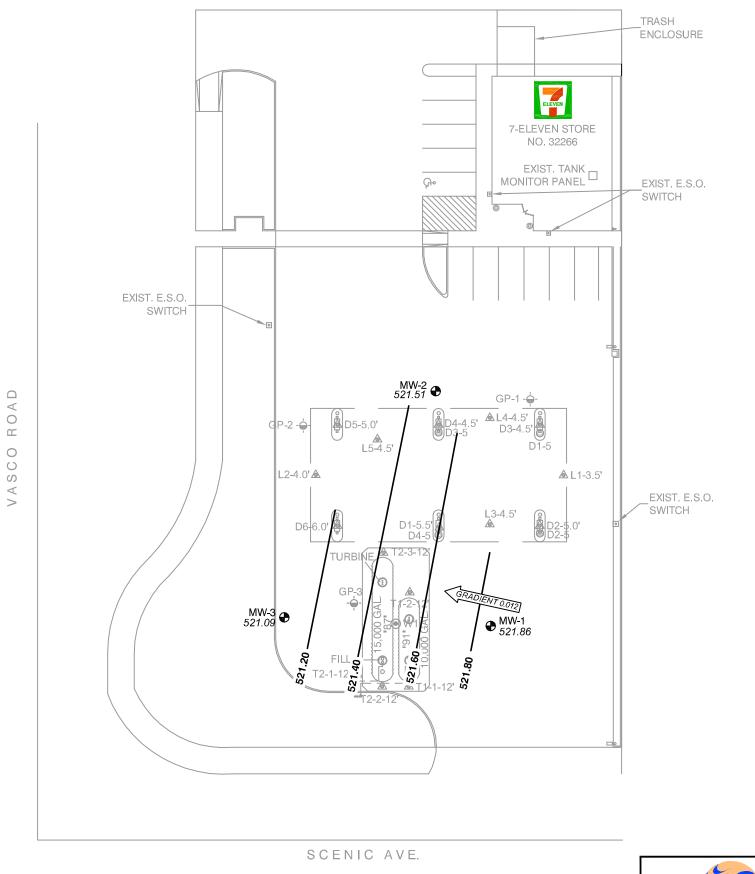
Attachment A – Field Notes

Attachment B – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation

John Wainwright, Stantec, 308 East 4500 South, Suite 100, Murray, Utah 84107-3957 c:

Figures





LEGEND:

521.86

GROUNDWATER MONITORING WELL

W1 UST EXCAVATION WATER SAMPLE LOCATION

GP-1 - GEOPROBE SAMPLE LOCATION

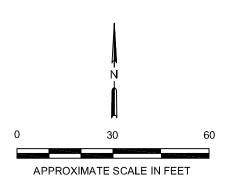
L5-4.5' 2008 SOIL SAMPLE LOCATION

D1-5 2005 SOIL SAMPLE LOCATION

APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)

GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)



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STORE NO. 32266

1339 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA

JOB NUMBER: DRAWN BY:

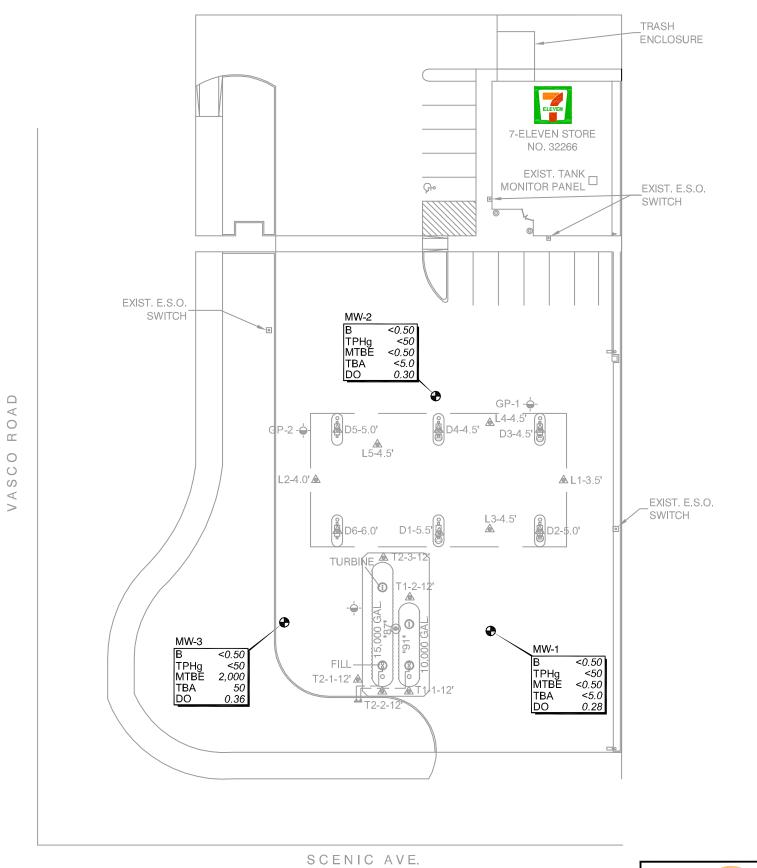
211502037

GROUNDWATER ELEVATION CONTOUR MAP JULY 24, 2012 FIGURE:

08/07/12

 CHECKED BY:
 APPROVED BY:
 DATE:

 CR
 ASM
 0



LEGEND:

MW-1 → GROUNDWATER MONITORING WELL

W1 ● UST EXCAVATION WATER SAMPLE LOCATION

GP-1 → GEOPROBE SAMPLE LOCATION

L5-4.5' ▲ 2008 SOIL SAMPLE LOCATION

D1-5 ◎ 2005 SOIL SAMPLE LOCATION

B BENZENE (µg/L)

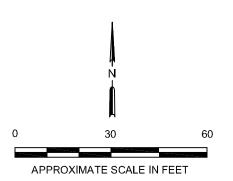
TPHg TOTAL PETROLEUM HYDROCARBONS

AS GASOLINE (μg/L)

MtBE METHYL TERTIARY BUTYL ETHER (µg/L)

TBA TERTIARY BUTYL ALCOHOL (µg/L)

 $\mu g/L$ MICROGRAMS PER LITER



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FOR:

STORE NO. 32266
1339 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA

JOB NUMBER: DRAWN BY:

211502037

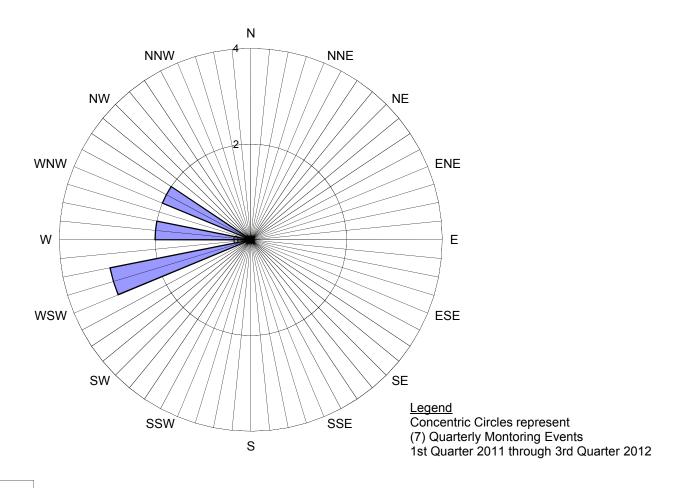
GROUNDWATER HYDROCARBON CONCENTRATION MAP JULY 24, 2012 3

FIGURE:

 CHECKED BY:
 APPROVED BY:
 DATE:

 CR
 ASM
 08/07/12

Figure 4
Groundwater Flow Direction Rose Diagram
7-Eleven #32266
1339 North Vasco, Livermore, California



■ Groundwater Flow Direction

Tables

TABLE 1 Third Quarter 2012 Groundwater Monitoring and Analytical Data

7-Eleven Store #32266 1339 North Vasco Road Livermore, California

Well ID/ Elevation (TOC)	Date	Benzene (µg/L)	Toluene (μg/L)	Ethyl Benzene (µg/L)	Total Xylenes (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	07/24/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50		0.28	8.36	0.00	521.86
530.22																
MW-2	07/24/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50		0.30	9.04	0.00	521.51
530.55																
MW-3	07/24/12	<0.50	<0.50	<0.50	<0.50	<50	2,000	50	<0.50	<0.50	3.9	b	0.36	9.65	0.00	521.09
530.74																

Explanation:

BTEX, TPHg, MtBE, DIPE, ETBE, TAME, and TBA by 8260B

TPHg = Total petroleum hydrocarbons-as-gasoline

MtBE = Methyl-tert-butyl ether

DIPE = Diisopropyl ether

EtBE = Ethyl-tert-butyl ether

TAME = Tert-amyl-methyl ether

TBA = Tert-butyl alcohol

TOC = Top of casing elevation in feet above mean sea level

ug/L = micrograms per Liter or parts-per-billion

mg/L = milligrams per liter

< = Not detected above laboratory reporting limit

Notes

b = Tert-Butanol results may be biased slightly high. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples.

Kiff considers this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in rations of over 20:1.

TABLE 2
Historical Water and/or Groundwater Sample Analytical Results

7-Eleven Store #32266 1339 Vasco Road Livermore, California

Date Benzene Column Benzene Column Benzene Column Benzene Column	DTW SP (feet) (feet	SPT WTE (feet)
UST Excavation Groundwater Samples W1 01/28/05 25 290 62 520 3,400 180 15 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	(feet) (fee	(feet) (feet)
Section Sect		
BT-1 02/04/05 0.50 0.50 0.50 0.50 0.70 0.50 0.9		
BT-1		
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Monitoring Well Samples MW-1		
MW-1		
\$30.22 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
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08/09/11 <0.50		0.00 522.1
10/17/11		0.00 522.34
01/20/12		0.00 521.92
MW-2 S30.55 O3/16/11 O.50 O		0.00 521.9
MW-2 530.55 03/16/11 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.		0.00 521.7
MW-2 530.55 03/16/11 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.		0.00 522.00
530.55 03/16/11 <0.50	8.36 0.0	0.00 521.86
530.55 03/16/11 <0.50	+	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	8.31 0.0	0.00 522.24
08/09/11 <0.50		0.00 522.18
01/20/12 <0.50		0.00 521.73
01/20/12 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.	8.74 0.0	0.00 521.8
	8.96 0.0	0.00 521.59
07/24/12 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 0.30	8.88 0.0	0.00 521.6
	9.04 0.0	0.00 521.5°
MW-3 530.74 03/16/11 <0.50 <0.50 <0.50 <0.50 <5.600 170 <0.50 <0.50 10 2.54	9.11 0.0	0.00 521.6
		0.00 521.6
05/26/11 <0.50 <0.50 <0.50 <50 3,200 180 <0.50 <0.50 5.4 0.32 08/09/11 <0.50 <0.50 <0.50 <0.50 <50 1,700 78 <0.50 <0.50 2.8 0.42		0.00 521.5
10/17/11 <0.50 <0.50 <0.50 <0.50 <50 1,700 76 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50		0.00 521.3
01/20/12 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.		0.00 521.3
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04/03/12 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.		0.00 521.0
0.00 0.0	9.65 0.0	0.00

TABLE 2 Historical Water and/or Groundwater Sample Analytical Results

7-Eleven Store #32266 1339 Vasco Road Livermore, California

Sample				Ethyl	Total											Dissolved			
I.D.	Date	Benzene	Toluene	Benzene	Xylenes	TPHg	MtBE	TBA	DIPE	EtBE	TAME	EDB	EDC	EtOH	Notes	Oxygen	DTW	SPT	WTE
(TOC)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)		(mg/L)	(feet)	(feet)	(feet)

Explanation:

BTEX, TPHg, MtBE, DIPE, ETBE, TAME, and TBA by 8260B

TPHg = Total petroleum hydrocarbons-as-gasoline

MtBE = Methyl-tert-butyl ether

DIPE = Diisopropyl ether

EtBE = Ethyl-tert-butyl ether TAME = Tert-amyl-methyl ether

TBA = Tert-butyl alcohol

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

EtOH = Ethanol

TOC = Top of casing elevation in feet above mean sea level

UST = Underground Storage Tank

ug/L = micrograms per Liter or parts-per-billion mg/L = milligrams per liter

< = Not detected above laboratory reporting limit

-- = Not sampled/not measured

Notes

- a = Matrix Spike/Matrix Spike Duplicate for the analyte MtBE were affected by the analyte concentrations already present in the un-spike sample.
- b = Tert-Butanol results may be biased slightly high. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. Kiff considers this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in rations of over 20:1.
- c = Analyzed by EPA Method 8260B using bottles that contained headspace bubbles greater than 1/4 inch in diameter.

Table 3 **Soil Boring Details**

7-Eleven Store #32266 1339 North Vasco Road Livermore, CA

		Boring	Well	Scr	een	Screen	
Well	Drill	Depth	Diameter	Тор	Bottom	Length	Comments
I.D.	Date	(feet bgs)	(inches)	(feet bgs)	(feet bgs)	(feet)	
Soil Borings	S						
GP-1	04/20/10	20					
GP-2	04/20/10	25					
GP-3	04/20/10	30					
GP-4	07/10/12	25					Off-site soil boring
GP-5	07/10/12	25					Off-site soil boring
GP-6	07/11/12	25					Off-site soil boring
GP-7	07/12/12	25					Off-site soil boring
Monitoring '	Wells						
MW-1	02/23/11	20	2	5	20	15	
MW-2	02/24/11	20	2	5	20	15	
MW-3	02/23/11	25	2	5	20	15	
MW-4	Proposed	20	2	5	20	15	Proposed off-site monitoring well
MW-5	Proposed	20	2	5	20	15	Proposed off-site monitoring well

Explanation

bgs = Below ground surface
--- = Data Not Available/Not Applicable

Table 4 Groundwater Gradient and Flow Direction

7-Eleven Store # 32266 1339 North Vasco Road Livermore, California

Well No.	Monitoring Date	DTW	Groundwater Gradient		Groundwater Flow Direction														
		(ft bgs)	(feet per foot)	N	NNE	NE	ENE	Е	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
MW-1	03/16/11	8.07	0.008	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	05/26/11	7.88	0.010	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	08/09/11	8.30	0.008	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10/17/11	8.27	0.008	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	01/20/12	8.51	0.009	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	04/05/12	8.22	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	07/24/12	8.36	0.012	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Avera	age Values	8.23	0.009	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0
Minum	um Values	7.88	0.008						·			·	·				·		·

Explanation

Maximum Values

TOC = Top of Casing (elevation in feet above mean sea level)

8.51

0.012

DTW = Depth to water below grade surface as measured from TOC

Number of Events **7** Events

Attachment A Field Notes

JOB NAME:	7-Eleven Store #32266		JOB NUMBER:	211502037.230.0700
SITE ADDRESS:	1339 North Vasco Road		_START DATE:	7/24/12
	Livermore, California		DATE PREPARED:	7/23/2012
PREPARED FOR:	Brian Branscum		PREPARED BY:	Danielle Manning
				3
	9	SITE VISITATION	REPORT	
Name(s) BLIKW	Blawsum [Date: 기ルル	Did you call in?	(res) No
Arrival Time: 1100	"Departure T	ime: 1400	Who did you call?	Colin Ryan
Weather Notations:	The same of the sa	RAIN	SNOW	Temperature 70-80's F
Troduio i totaliono.			0	, on policies of 50 505
·				
		DRUM INVENT	ORY	
STANTEC'S	ENVIRONMENTAL:			
Purge Water		7-ELEVEN'S FACI		TOTALS:
Soi		Locked/Labeled HAZ		Total Open Top 5
Concrete/Debris	0	Other:	· <u>0</u>	Total Bung Top O
Other: Empty		Other:		take a picture of anything not clearly labeled
Linpty			11000	take a protore or anything not clearly labeled
	Lif	EALTH AND SAFETY A	SCECCMENT	
2000				si. b. 1-1/-
PPE, HASP, He	spital Koute, Vehic	le Foot trattic,	belivery Ind	es, Slipstirips/Falls.
Sur Protection	- Hydration			
	1			
	DESCRIP	TION OF ACTIVITIES	ONSITE AND NOTES	
0900-1100-Tr	eck inspection draw	ie to site.		
1100 - 1130 - Ta	lgate meeting sl	tarted papersade	decomed & cal	eaujoment.
		- I	7	
	ened, then guaged		ging com.	
1200-1325 - Pm	rged then sample	d wells quag	ēd.	
1325-1345 - Rel	eased purge 4.0	from truck	to pusite 5	15-acl drums
izite iilen n		+ 1 = 1	0.00	
	ched up equipme	al, tinished	paperwork.	
1400-1530 - Dr	are home			

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JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0700	
SITE ADDRESS:	1339 North Vasco Road	START DATE:	1/24/12	
	Livermore, California	DATE PREPARED:	7/23/2012	
PREPARED FOR:	Brian Branscum	PREPARED BY:	Danielle Manning	

GROUNDWATER GAUGING FORM

MEASURED TO TOC

WELL I.D.	CONST.	WELL DIAM.	WELL ELEV TOC	DTB	DTW	DTP/PT	D.O. (mg/L)	TIME	COMMENTS Please note if well needs locking cap or street box repair
MW-1	20	2"		18.92	8.36	,	0.28	1145	
MW-2	20	2"		19.17	9.04	/	0.30	1155	
MW-3	20	2"		20.05	9.65	1	0.36	1200	

Stantec Consulti	ing
WATER SAMPLE FIELD DA	ATA SHEET
PROJECT #: 7-11#32266 PURGED BY: Brian Branscu CLIENT NAME: 7-11 Inc. SAMPLED BY: Brian Branscu LOCATION: 1329 N. Vasco Ed. Liver More, CA	3
DATE PURGED 3, 7/24/12 START (2400hr) 12 1/2 DATE SAMPLED 7/24/12 SAMPLE TIME (2400hr) SAMPLE TYPE: Groundwater X Surface Water	
CASING DIAMETER: 2" $\frac{1}{100}$ 3" $\frac{1}{100}$ 4" $\frac{1}{100}$ 5 Casing Volume: (gallons per foot) $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$	$6''$ $\frac{6''}{(1.02)}$ $6''$ $\frac{8''}{(2.60)}$ Other $\frac{1}{(1.50)}$
DEPTH TO WATER (feet) = 9.36	CASING VOLUME (gal) = 1.7 CALCULATED PURGE (gal) = 5.1 ACTUAL PURGE (gal) = 7.0
FIELD MEASUREMENT	TS .
DATE TIME VOLUME TEMP. CONDUCTIVITY (2400hr) (gal) (degrees F) (umhos/cm) 1.7 25.5 1956 1231 5.1 24.6 2002	pH ORP COLOR TURBIDITY (units) (units) (visual) (NTU) 6.57 — BRN MEDICON 6.76 — BRN MEDICON 6.84 — BRN MEDICON
SAMPLE DEPTH TO WATER: 8.17	N SAMPLE TURBIDITY: MEDILOW
ODOR: NA SAMPLE VESSEL / PRESERVATIVE: HCL PURGING EQUIPMENT	SAMPLING EQUIPMENT
Centrifugal Pump Bailer (PVC) Centri X Submersible Pump Bailer (Stainless Steel) Subm	ter Pump ifugal Pump ersible Pump alic Pump Dedicated Bailer (Teflon) X Bailer (PVC or X disposable) Bailer (Stainless Steel) Dedicated
WELL INTEGRITY: GOOD REMARKS: D.O 0.28	LOCK#: VES
SIGNATURE:	Page <u>/</u> of <u>3</u>

	c Consulting			
PROJECT #: 7-1(# 3226 PURGED BY: CLIENT NAME: 7-11 Inc. SAMPLED BY:	LE FIELD DATA SHI Brian Branscum Brian Branscum CA	WELL I.D	I.D.: MW. S	2
DATE SAMPLED 72412 SAMPLE TIME	1240 (2400hr) Treatment E	300	Other	-56
CASING DIAMETER: 2" X 3" (0.17) (0.38)	• •	-	8" (2.60)	Other ()
DEPTH TO BOTTOM (feet) = 19.17 DEPTH TO WATER (feet) = 4.04 WATER COLUMN HEIGHT (feet) = 10.13	CALCULA	OLUME (gal) = _ TED PURGE (gal URGE (gal) = _	1.7)= 5.(7.0	
FIELD N	MEASUREMENTS			
	DUCTIVITY pH (units) 2541	ORP (units)	COLOR (visual) BEN BEN FREN	MEDICAL MEDICAL MEDICAL MEDICAL
SAMPLE DEPTH TO WATER: 9.54	E INFORMATION S.	AMPLE TURBID	ITY: ME	Plas
200/ DEGUADOE: Y VES NO ANA	TACEC. DEEX EDIT AV	- FD 4 92/4D		
ODOR: SAMPLE VESSEL / PRESERV.				
PURGING EQUIPMENT Bladder Pump Bailer (Teflon) Centrifugal Pump Bailer (PVC) X Submersible Pump Bailer (Stainless Steel) Peristalic Pump Dedicated Other: Pump Depth:	Bladder Pump Centrifugal Pump Submersible Pump Peristalic Pump Other:	X Bailer Bailer Dedica	(Teflon) (PVC (Stainless Stee	or X disposable)
WELL INTEGRITY: $600D$ REMARKS: $0.00.30$		LOCK#: YES		
SIGNATURE:			I	Page Z of 3

Stante Water sampi	ec Consulti LE FIELD D	~	Γ							
PROJECT#: 7-11# 32266 PURGED BY: Brian Branscum WELL I.D.: MW-3 CLIENT NAME: 7-Eleven, Inc. SAMPLED BY: Brian Branscum SAMPLE I.D.: MW-3 LOCATION: 1339 N. Vasco Rd. L.										
DATE SAMPLED 124 12 SAMPLE TIME	r) 1305 E (2400hr)			Other	21					
CASING DIAMETER: 2" X 3" (0.38)	4" (0.67)	5" (1.02)	(1.50)	8" (2.60)	Other ()					
DEPTH TO BOTTOM (feet) = 20.05 DEPTH TO WATER (feet) = 9.65 WATER COLUMN HEIGHT (feet) = 10.40		CASING VOLU CALCULATEI ACTUAL PUR) PURGE (ga							
FIELD I	MEASUREMENT	rs								
DATE TIME (2400hr) (gal) (degrees F) (umhos/cm) (units) (units) (visual) (NTU) 1/24/12 1318 3.4 12.9 1133 6.95 - Ben MED 1321 5.1 23.1 1176 6.92 - SEMI-CLE LOW										
SAMPLE DEPTH TO WATER: 9.93	E INFORMATIO		PLE TURBII	DITY: U	دبه					
80% RECHARGE: X YES NO ANA	ALYSES: BTE	V TPHa Via Fi	DA 8760B							
ODOR: NA SAMPLE VESSEL / PRESERV.			A 0200B							
PURGING EQUIPMENT	TATIVE. TICE		LING EQUI	PMENT						
Bladder Pump Centrifugal Pump Bailer (Teflon) Centrifugal Pump Bailer (PVC) Centrifugal Pump Submersible Pump Peristalic Pump Dedicated Other: Pump Depth: Bladder Pump Bailer (Teflon) Centrifugal Pump Submersible Pump Dedicated Other: Other:										
WELL INTEGRITY: GOOD LOCK#: YES										
REMARKS: D. O 0.36										
SIGNATURE: Page 3 of 3										

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Attachment B Certified Laboratory Analytical Reports and Chain-of-Custody Documentation



Date: 08/06/2012

Laboratory Results

Damon Brown Stantec Consulting Services Inc. 3017 Kilgore Road, Suite 100 Rancho Cordova, CA 95670

Subject: 3 Water Samples

Project Name: 7-Eleven Store #32266 Project Number: 211502037.220.0410

Dear Mr. Brown,

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. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy Turpen

Troy D. Turpen



Date: 08/06/2012

Subject: 3 Water Samples
Project Name: 7-Eleven Store #32266
Project Number: 211502037.220.0410

Case Narrative

Tert-Butanol results for sample MW-3 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 20:1.



Date: 08/06/2012

Project Name : **7-Eleven Store #32266**Project Number : **211502037.220.0410**

Sample: MW-1 Matrix: Water Lab Number: 82076-01

Sample Date :07/24/2012

Cample Date :07/24/2012		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:00
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/03/12 06:00
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/03/12 06:00
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	EPA 8260B	08/03/12 06:00
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	08/03/12 06:00



Date: 08/06/2012

Project Name : **7-Eleven Store #32266**Project Number : **211502037.220.0410**

Sample: MW-2 Matrix: Water Lab Number: 82076-02

Sample Date :07/24/2012

Sample Date .07/24/2012		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/03/12 06:31
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/03/12 06:31
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/03/12 06:31
1,2-Dichloroethane-d4 (Surr)	97.8		% Recovery	EPA 8260B	08/03/12 06:31
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	08/03/12 06:31



Date: 08/06/2012

Project Name : **7-Eleven Store #32266**Project Number : **211502037.220.0410**

Sample: MW-3 Matrix: Water Lab Number: 82076-03

Sample Date :07/24/2012

Sample Date .07/24/2012		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/04/12 00:21
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/04/12 00:21
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/04/12 00:21
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/04/12 00:21
Methyl-t-butyl ether (MTBE)	2000	2.5	ug/L	EPA 8260B	08/05/12 15:57
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/04/12 00:21
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/04/12 00:21
Tert-amyl methyl ether (TAME)	3.9	0.50	ug/L	EPA 8260B	08/04/12 00:21
Tert-Butanol	50 J	5.0	ug/L	EPA 8260B	08/04/12 00:21
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/04/12 00:21
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	EPA 8260B	08/04/12 00:21
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	08/04/12 00:21

Date: 08/06/2012

QC Report : Method Blank Data

Project Name: **7-Eleven Store #32266**Project Number: **211502037.220.0410**

		Method			
	Measured	Reporting	9	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/02/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/02/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/02/2012
1,2-Dichloroethane-d4 (Surr)	98.6		%	EPA 8260B	08/02/2012
Toluene - d8 (Surr)	101		%	EPA 8260B	08/02/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/05/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/03/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/03/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/03/2012
1,2-Dichloroethane-d4 (Surr)	98.4		%	EPA 8260B	08/03/2012
Toluene - d8 (Surr)	99.1		%	EPA 8260B	08/03/2012

		Method			
	Measured	Reporti	ng	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyze

Date: 08/06/2012

Project Name : **7-Eleven Store #32266**

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Number: 211502037.220.0410

	0 11 1	0 1	0 "	Spike	Spiked	Duplicate Spike	e ed		5.4	Spiked Sample	Duplicat Spiked Sample	Relative	Spiked Sample Percent	Relative Percent
Parameter	Spiked Sample	Sample Value	Spike Level	Dup. Level	Sample Value	Sample Value	Units	Analysis Method	Date Analyzed	Percent Recov.	Percent Recov.	Percent Diff.	Recov. Limit	Diff. Limit
Benzene														
	82077-01	<0.50	40.0	40.0	39.0	38.7	ug/L	EPA 8260B	8/2/12	97.6	96.8	0.869	80-120	25
Diisopropyl ethe	er													
	82077-01	<0.50	39.5	39.5	40.4	39.6	ug/L	EPA 8260B	8/2/12	102	100	1.90	80-120	25
Ethyl-tert-butyl	ether													
	82077-01	<0.50	39.8	39.8	42.1	38.0	ug/L	EPA 8260B	8/2/12	106	95.5	10.2	76.5-120	25
Ethylbenzene														
	82077-01	<0.50	40.0	40.0	41.0	40.7	ug/L	EPA 8260B	8/2/12	102	102	0.787	80-120	25
Methyl-t-butyl e	ther													
	82077-01	<0.50	40.0	40.0	42.7	37.0	ug/L	EPA 8260B	8/2/12	107	92.6	14.2	69.7-121	25
P + M Xylene														
	82077-01	<0.50	40.0	40.0	41.0	40.6	ug/L	EPA 8260B	8/2/12	102	102	0.956	76.8-120	25
Tert-Butanol														
	82077-01	<5.0	202	202	193	196	ug/L	EPA 8260B	8/2/12	95.6	97.2	1.71	80-120	25
Tert-amyl-methy														
	82077-01	<0.50	39.9	39.9	42.6	39.1	ug/L	EPA 8260B	8/2/12	107	98.0	8.58	78.9-120	25
Toluene														
	82077-01	<0.50	40.0	40.0	40.8	40.0	ug/L	EPA 8260B	8/2/12	102	99.9	2.21	80-120	25

Date: 08/06/2012

Project Name : **7-Eleven Store #32266**

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Number: 211502037.220.0410

	Omilead	Camania	Carilla	Spike	Spiked	Duplicate Spike	e d	Analysis	Data	Spiked Sample	Duplicat Spiked Sample	Relative	Spiked Sample Percent	Relative Percent
Parameter	Spiked Sample	Sample Value	Spike Level	Dup. Level	Sample Value	Samble Value	Units	Analysis Method	Date Analyzed	Recov.	Percent Recov.	Percent Diff.	Recov. Limit	Diff. Limit
Methyl-t-butyl et	ther													
	82105-14	<0.50	40.0	40.0	35.7	36.0	ug/L	EPA 8260B	8/5/12	89.4	90.1	0.814	69.7-121	25
Benzene														
	82088-19	<0.50	40.0	40.0	41.6	40.8	ug/L	EPA 8260B	8/3/12	104	102	1.88	80-120	25
Diisopropyl ethe														
Ethyd toet hutyd a	82088-19	<0.50	39.5	39.5	40.5	40.5	ug/L	EPA 8260B	8/3/12	102	102	0.0323	80-120	25
Ethyl-tert-butyl														
	82088-19	<0.50	39.8	39.8	47.6	47.4	ug/L	EPA 8260B	8/3/12	119	119	0.333	76.5-120	25
Ethylbenzene	00000 40	-0.50	40.0	40.0	07.5	00.7	/1	EDA 0000D	0/0/40	00.0	04.7	0.00	00.400	05
P + M Xylene	82088-19	<0.50	40.0	40.0	37.5	36.7	ug/L	EPA 8260B	8/3/12	93.9	91.7	2.30	80-120	25
1 · Wi Aylerie	82088-19	<0.50	40.0	40.0	38.2	37.7	ug/L	EPA 8260B	8/3/12	95.5	94.2	1.44	76.8-120	25
Tert-Butanol	02000-19	~ 0.50	40.0	40.0	30.2	57.7	ug/L	LFA 0200B	0/3/12	90.0	34.2	1.44	70.0-120	25
	82088-19	<5.0	202	202	204	205	ug/L	EPA 8260B	8/3/12	101	102	0.254	80-120	25
Tert-amyl-methy		0.0	202		20.	200	ωg, <u>_</u>	2.7102002	0,0,12		.02	0.20	00 120	
,	82088-19	<0.50	39.9	39.9	45.3	45.4	ug/L	EPA 8260B	8/3/12	114	114	0.229	78.9-120	25
Toluene						-	3		-			-		-
	82088-19	<0.50	40.0	40.0	40.5	39.8	ug/L	EPA 8260B	8/3/12	101	99.4	1.82	80-120	25

Date: 08/06/2012

Project Name : **7-Eleven Store #32266**

QC Report : Laboratory Control Sample (LCS)

Project Number: 211502037.220.0410

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.2	ug/L	EPA 8260B	8/2/12	95.8	80-120
Diisopropyl ether	39.7	ug/L	EPA 8260B	8/2/12	97.9	80-120
Ethyl-tert-butyl ether	40.0	ug/L	EPA 8260B	8/2/12	103	76.5-120
Ethylbenzene	40.2	ug/L	EPA 8260B	8/2/12	100	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	8/2/12	103	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	8/2/12	100	76.8-120
TPH as Gasoline	497	ug/L	EPA 8260B	8/2/12	102	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	8/2/12	96.6	80-120
Tert-amyl-methyl ether	40.1	ug/L	EPA 8260B	8/2/12	103	78.9-120
Toluene	40.2	ug/L	EPA 8260B	8/2/12	98.0	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	8/5/12	96.9	69.7-121
Benzene	39.8	ug/L	EPA 8260B	8/3/12	103	80-120
Diisopropyl ether	39.4	ug/L	EPA 8260B	8/3/12	103	80-120
Ethyl-tert-butyl ether	39.6	ug/L	EPA 8260B	8/3/12	119	76.5-120
Ethylbenzene	39.8	ug/L	EPA 8260B	8/3/12	92.8	80-120
P + M Xylene	39.8	ug/L	EPA 8260B	8/3/12	94.0	76.8-120
TPH as Gasoline	501	ug/L	EPA 8260B	8/3/12	95.4	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	8/3/12	102	80-120
Tert-amyl-methyl ether	39.7	ug/L	EPA 8260B	8/3/12	114	78.9-120
Toluene	39.8	ug/L	EPA 8260B	8/3/12	101	80-120

			St	an	tec	•	Ch	ain	-of	Cu	stc	dy	Re	СО	rd		·			
	amento ore Road, S Cordova, C)								Job	Add Nam ation	ne:	7- 13	Elev	en S Iorth	tore #32266 Vasco Road	and are part of this Record.		
Project # 2115020 3	7.220	Task #	220.0410											Analy						п
Project Manager <u>Dame</u> Laboratory <u>Kiff Analy</u> Turnaround Time <u>S</u>			EPA 8260	Only) d)	Н 418.1	se	(SWZ)	latiles	Organics C/MS)		E - EPA						ainers			
Sampler's Name Brian Branscum Sampler's Signature					TPHg/BTEX - E	TPHd (Diesel O 8015 (modified)	TPH 418.1/WTPH	Aromatic Volatiles 602/8020	Volatile rganics 624/8240 (g=GC/MS)	Halogenated Vola 601/8010	emi-volatile Or 5/8270 (GC/N	Oxygenates >A 8260B	Chloroform, PC 8260B					Comments/	Number of Containers	
Sample ID MW-1	72412	Time	Matrix Water	3 HCI-preserv	X		F	₹ 8	> %	Ϊ છ	8 8 9	X S III	ਹ ‰					Instructions	3	_ ල
MW-2	1	1300	Water	3	X							X							3	0
MW-3	↓	1325	Water	3	х							х							3	O
Special Instructions/Common Special Instructions/Common Special Instructions/Common Special Instructions - MtBE, Et Global ID #T1000000106 email EDD to colin.ryan@patrick.schiller@stantec.lemail lab report to colin.damon.brown@stantec.patrick.schiller@stantec.	BE, DIPE, 1 7 @stantec.co .com ryan@stan com /	om,		Siç Pri Co Tir Re Siç Pri Co	gn int ompa ne elinqu gn	uishe	IAN STA	Date	7/			Sig Prir Cor Tim Rec Sig Prir	n mpar ne ceive in nt mpar	ed by	Section 1	Date 2 10 10 Date		Sample Receipt Total no. of containers Chain of custody seals Rec'd in good condition/cold Conforms to record Client: Stantec Client Contact: Damon Client Phone: (916) 861-0 ext. 230		

SECOR CUSTREC Rev. 2/9

Date: 7/24/12 Page 10f1



SAMPLE RECEIPT CHECKLIST

RECEIVER	
Es	
Initials	

SRG#:	82076	Date:	73012
Project ID:	7- Eleva Store	#32166	
Method of Receip		nter Shipper	
Shipping Only: Fe	dEx * OnTrac * Greyhound Other *S	ervice level if not Priority	or Sunrise (M-F):
COC Inspection Is COC present? Custody seals on shipping of Is COC Signed by Relinquis Is sampler name legibly included in Is analysis or hold requeste Is the turnaround time indicus COC free of whiteout an	isher?	☐ Yes☐ Intact d? ☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes☐ Yes☐ Ye	□ No □ Broken □ Not present □ N/A □ No □ No □ No □ No □ No □ No □ No, Whiteout □ No, Cross-outs
Are there custody seals on a Do containers match COC? Are there samples matrices Are any sample containers Are preservatives indicated Are preservatives correct for Are samples within holding Are the correct sample containers there sufficient sample to Does any sample contain process and sample contain process and sample containers Matrix Matrix Matrix	Yes No No, COC list other than soil, water, air or carbon? broken, leaking or damaged? ? Yes, on sample containers or analyses requested? time for analyses requested? tainers used for the analyses requested? perform testing? roduct, have strong odor or are otherwise. Container type # of Container type # of # o	Intact s absent sample(s) Yes Yes Yes, on COC Yes Yes Yes Yes Yes Yes Containers received Containers received Containers received	Broken Not present No, Extra sample(s) present No
Is the Project ID indicated: If project ID is listed on bo Are the sample collection d If collection dates are listed Are the sample collection ti If collection times are listed	both COC and containers, do they all r On COC th COC and containers, do they all mate lates indicated: On COC on both COC and containers, do they a	n sample container(s) h?	No
COMMENTS:			
			9
			a to the Miles process
<u>-</u>			Will be a second of the second