

Stantec Consulting Services Inc. 3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Tel: (916) 861-0400 Fax: (916) 861-0430

October 4, 2012

RECEIVED

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

5:42 pm, Oct 08, 2012 Alameda County

Environmental Health

RE: Enclosed Additional Site Assessment Report 7-Eleven Store #32266 1339 North Vasco Road Livermore, CA 94551 Stantec Project #:211502037.230.0502

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).

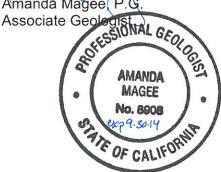
We declare, under penalty of perjury, that the information and/or recommendations contained in the attached assessment report are true and correct to best of our knowledge.

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.



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.

ATTES1 Assistant Secretary

7-ELEVEN, INC.

Name: Doug Rosencrans Title: Viee President

LIMITED AUTHORIZATION- Page 1 991578.1/SPA/76088/0396/011012 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:

1.2013

Karen Penn P Notary Public, State of Texas Ny Comm. Expires 05 / 01 / 2013

LIMITED AUTHORIZATION- Page 2 991578.1/SPA/76088/0396/011012

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 of 7-Eleven.



Stantec Consulting Services Inc. 3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Tel: (916) 861-0400 Fax: (916) 861-0430

October 5, 2012

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

RE: Additional Site Assessment Report

7-Eleven Store #32266 1339 North Vasco Road Livermore, CA 94551 Stantec Project #: 211502037.230.0502

Dear Mr. Wickham:

This report was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of 7-Eleven Inc. (7-Eleven) to document the installation of one groundwater monitoring well (MW-4) at 7-Eleven store #32266, located at 1339 Vasco Road in Livermore, California (Figures 1 and 2). This work was performed in accordance with Stantec's March 5, 2012 *Revised Work Plan for Additional Site Assessment*, Stantec's July 20, 2102 *Additional Site Assessment Report*, the March 26, 2011 approval letter from the Alameda County Environmental Health Services (ACEHS), and email correspondence from the ACEHS dated July 24, 2012 (Attachment A).

INTRODUCTION

The site is currently operating as a 7-Eleven convenience store and gasoline station with one 10,000-gallon and one 15,000-gallon underground storage tank (UST) (Figure 2). Stantec supervised the installation of one offsite groundwater monitoring well to further define the limits of MtBE impacts in soil and groundwater offsite, and to further define the site-specific hydraulic gradient.

The work summarized in this report includes:

- 1. Obtaining permits.
- 2. Preparing a site-specific Health and Safety Plan.
- 3. Clearing two boring locations using Underground Service Alert (USA) and a private utility locator.
- 4. Installation and development of one groundwater monitoring well.
- 5. Attempting to install a second offsite groundwater monitoring well.
- 6. Collecting groundwater samples from existing monitoring well MW-3 and new monitoring well MW-4.
- 7. Submitting soil and groundwater samples for laboratory analysis.

October 5, 2012 Page 2 of 8

SITE 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 26 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 eleven 4-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 (Table 1). 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) to 400 μ g/L (BT-2). Based on the results of the water samples collected, an UST Unauthorized Release report was completed and submitted to the Livermore-Pleasanton Fire Department (LPFD) and the California Regional Water Quality Control Board (CRWQCB).

On December 4, 2008, a Stantec Consulting Corporation (now Stantec Consulting Services Inc. [Stantec]) field scientist collected one soil sample 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 ethyl-benzene, 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 a concentration of 4.4 mg/kg.

October 5, 2012 Page 3 of 8

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 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 and was approved in a letter dated October 25, 2010.

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, 2011, 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.

October 5, 2012 Page 4 of 8

Between July 10 and 12, 2012, Stantec supervised the advancement of four soil borings (GP-4 through GP-7). On July 20, 2012, Stantec submitted an *Additional Site Assessment Report* to the ACEHS. Soil samples collected from soil borings GP-4 through GP-7 did not contain petroleum hydrocarbon concentrations above laboratory reporting limits, with the exception of MtBE in the samples collected from GP-5, which was detected at a maximum concentration of 0.056 mg/kg. TPHg and MtBE were detected in grab groundwater samples GP-4W and GP-5W at maximum concentrations of 95 μ g/L and 350 μ g/L, respectively. The report also summarized Stantec's research regarding the two wells identified 300 feet west of the site; it was concluded that the two wells identified in the well survey are not currently used for water supply.

On July 25, 2012, the ACEHS concurred with Stantec's recommendation to install two additional monitoring wells at the locations indicated in the July 20, 2012 *Additional Site Assessment Report*.

A summary of historic soil and groundwater analytical data is presented in Tables 1 and 2, respectively.

SOIL BORING, SAMPLING, AND WELL INSTALLATION

Permitting/Site-Specific Health and Safety Plan/Utility Clearance

Groundwater monitoring well installation permits were obtained from Zone 7 Water Agency prior to conducting subsurface work at the site. In addition, Stantec obtained an encroachment permit from the City of Livermore Community Development Department to advance the soil borings in the Vasco Road right-of-way. Copies of permits are included in Attachment B.

Stantec prepared site-specific *Health and Safety Plan* (HASP) for the well installation and sampling activities at the site, as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by all Stantec personnel and subcontractors prior to performing work at the site.

Prior to conducting subsurface work at the site, USA was contacted to delineate subsurface piping and/or utilities at the site with surface markings. In addition, a private utility locator service was contracted to clear the area surrounding each of the proposed monitoring well locations. Due to numerous underground utilities identified in the sidewalk, the location of proposed monitoring well MW-5 was moved east into Vasco Road.

Soil Borings

From September 4 through 7, 2012, Stantec supervised as Gregg Drilling and Testing, Inc, of Martinez, California (Gregg) installed one groundwater monitoring well (MW-4) at the location shown on Figure 2. Prior to drilling, an air knife and vacuum truck was used to clear the location to five feet bgs. Two locations were cleared for MW-4 due to inaccurate marking of an underground water line by the City of Livermore. On September 12, 2012, Stantec supervised Gregg's attempt to clear an additional location for proposed monitoring well MW-5 with a hand auger; however an unmarked utility was discovered at approximately 6.5 feet bgs in two locations. Stantec was unable to move the location of proposed well MW-5 to a suitable location within the existing encroachment permit based on the multiple marked and unmarked utilities along the west side of Vasco Road and under the sidewalk west of Vasco Road.

October 5, 2012 Page 5 of 8

Below five feet bgs, well MW-4 was drilled to a depth of 25 feet bgs, using a M5T track rig equipped with direct push drive rods to allow for soil sampling. Subsequently, MW-4 was overdrilled with eight-inch diameter hollow-stem augers (HSA) to a depth of 20 feet bgs for the well installation. Downhole drilling equipment was properly cleaned before drilling each borehole. The soil boring and well construction details are summarized in Table 3. Field notes are included in Attachment C.

Soil Sampling

Soil samples were collected from MW-4 using a direct push 1.5-inch diameter macro-core sampler, which collects four-foot cores. Sampling equipment was properly cleaned between each sampling interval. Each soil sample was screened for hydrocarbon vapors using a portable photoionization detector (PID). Soils encountered during drilling were logged using the Unified Soil Classification System by a Stantec field geologist, working under the supervision of a California Professional Geologist.

Soil samples collected for analysis (from the four-foot cores) were sealed with Teflon[®] sheets and plastic caps, labeled, and placed on ice in an insulated container for delivery to Kiff Analytical LLC (Kiff), a California State certified laboratory located in Davis, California. The soil samples were analyzed for TPHg, BTEX, and MtBE by Environmental Protection Agency (EPA) Method 8260B.

Soil Stratigraphy and Geology

Based on the description of the soil samples collected from the new well MW-4, the soil stratigraphy encountered consists mainly of clay from ground surface to 25 feet bgs, the total depth of exploration. A copy of the soil boring log is included in Attachment D.

Well Installation

Groundwater monitoring well MW-4 was constructed using two-inch diameter polyvinyl chloride (PVC) blank casing and 0.020-inch-slot well screen. The well was installed to 20 feet bgs and was screened from 5 to 20 feet bgs (Table 3). A number three sand filter pack was placed within the annulus of each well, from 20 feet bgs to approximately one foot above the top of the well screen. The annulus of the well was sealed with one foot of bentonite on top of the sand, and a portland cement/bentonite slurry to the surface. An eight-inch-diameter, traffic-rated, water-tight street box was installed to protect the well from surface traffic. Well construction details are summarized in Table 3. Field notes are included in Attachment C.

Well Development

On September 14, 2012, Stantec supervised Gregg during the development of monitoring well MW-4 by surging and bailing groundwater from the wells using a surge block and bailer to remove fine-grained sediments from the well and sand pack. Approximately 10 well casing volumes of groundwater was purged from the well until potential hydrogen (pH), conductivity, and temperature measurements stabilized. Purge water from the well development and sampling was stored in Department of Transportation (DOT) approved, properly labeled, 55-gallon drums on site, pending offsite disposal. Field notes are included in Attachment C.

October 5, 2012 Page 6 of 8

Well Location Survey

On September 21, 2012, Stantec, a certified surveyor in California, surveyed the locations of the newly installed well. The top of casing of the newly installed well was surveyed to 0.01 foot relative to mean sea level. A copy of the well survey map is included in Attachment E.

Groundwater Monitoring and Sampling

On September 21, 2012, the depth to water was measured to within 0.01 foot bgs in monitoring wells MW-1, MW-2, MW-3, and MW-4 from the top of casing (TOC) using a water level indicator. The depth to groundwater measured on September 21, 2012 ranged between 8.40 feet below TOC in well MW-1 to 9.55 feet below TOC in well MW-3. Based on the groundwater elevations for this monitoring event, shallow groundwater beneath the site flows to the southwest at an average hydraulic gradient of approximately 0.006 vertical feet per horizontal foot (ft/ft). Groundwater contours are depicted on Figure 2.

Groundwater sampling activities of monitoring wells MW-3 and MW-4 were performed on September 21, 2012. Well purging and sampling equipment was thoroughly cleaned prior to purging and sampling each well. The sampling procedure for each well included measuring the water level and 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 C. After purging, water levels were allowed to recover to at least 80% of the original levels prior to collection of the water sample. Groundwater samples were collected using a disposable Teflon[®] bailer, placed into appropriate EPA approved containers, labeled, logged onto chain-of-custody documents, and transported on ice to Kiff for analysis of TPHg, BTEX, and MtBE by EPA Method 8260B. Copies of the field notes are presented in Attachment C.

Waste Disposal

Soil generated during drilling was temporarily stored on site in DOT approved, properly labeled, 55-gallon drums, pending profiling and disposal. A four-point composite soil sample, SP1(ABCD), was collected from the soil bins and analyzed for TPHg, BTEX, and MtBE by EPA Method 8260B, and total lead by EPA Method 6010B (Table 1). A copy of the certified laboratory analytical reports and chain-of-custody documentation are included in Attachment F. Copies of the waste disposal documentation will be provided under a separate cover.

RESULTS OF SAMPLING ANALYSIS

Soil Sample Analytical Results

A total of four soil samples were collected from soil borings MW-4 and MW-5 for laboratory analysis. MtBE was reported solely in the soil samples collected from MW-4 at depths of 15 and 19.5 feet bgs, with concentrations of 0.010 mg/kg and 0.016 mg/kg, respectively. The analytes BTEX and TPHg were not detected at concentrations above the laboratory reporting limits in any of the soil samples collected during this investigation. A copy of the certified laboratory analytical reports and chain-of-custody documentation are included in Attachment F.

Groundwater Sample Analytical Results

On September 21, 2012, a total of two groundwater samples were collected from wells MW-3 and MW-4 and submitted for laboratory analysis. The analytes BTEX, TPHg, DIPE, and EtBE were not detected at concentrations above the laboratory reporting limits in any of the

October 5, 2012 Page 7 of 8

groundwater samples collected during this investigation. MtBE was detected in both samples at concentrations of 760 μ g/L (MW-3) and 400 μ g/L (MW-4). TBA was detected in the sample collected from MW-3 at a concentration of 32 μ g/L. TAME was detected in both groundwater samples at concentrations of 1.5 μ g/L (MW-3) and 0.69 μ g/L (MW-4). A copy of the certified laboratory analytical reports and chain-of-custody documentation are included in Attachment F.

EVALUATION OF GROUNDWATER ANALYTICAL RESULTS

Based on the analytical results of the groundwater samples collected as part of this investigation, it appears that the dissolved MtBE plume has migrated offsite. In addition, the depth to groundwater data collected during this investigation (which includes newly installed well MW-4) indicates the groundwater gradient may be more southwesterly than what was originally observed using only data from monitoring wells MW-1 through MW-3. This may indicate that MW-4 may not be directly downgradient of MW-3 (the most impacted onsite monitoring well), however the grab groundwater sample from GP-7 (located approximately 40 feet south of MW-4) did not contain detectable concentrations of MtBE (Figure 2 and Table 2). Based on this information, it is likely that the concentrations in samples collected from MW-4 are representative of downgradient conditions.

Stantec will commence quarterly groundwater monitoring and sampling of the newly installed well during the fourth quarter of 2012. To determine accurate placement of proposed downgradient well MW-5, Stantec recommends conducting two quarters of groundwater monitoring and sampling (Fourth Quarter 2012 and First Quarter 2013) to more accurately identify the site-specific hydraulic groundwater gradient. After the First Quarter 2013 monitoring and sampling event, Stantec proposes to conduct a thorough survey of utility locations in the vicinity of the northwest corner of the intersection of North Vasco Road and Scenic Avenue to identify a feasible location for proposed downgradient well MW-5 in relation to the confirmed hydraulic groundwater gradient.

SUMMARY AND CONCLUSIONS

One groundwater monitoring well MW-4 was installed between September 4 and 7, 2012. Proposed monitoring well MW-5 was not installed at this time due to the presence of marked and unmarked underground utilities in close proximity to the proposed well location.

MtBE was reported solely in the soil samples collected from MW-4 at depths of 15 and 19.5 feet bgs, with concentrations of 0.010 mg/kg and 0.016 mg/kg, respectively. The analytes BTEX and TPHg were not detected at concentrations above the laboratory reporting limits in any of the samples collected during this investigation.

Groundwater monitoring wells MW-3 and MW-4 were sampled on September 21, 2012. Benzene and TPHg were not detected at concentrations above the laboratory reporting limits in any of the groundwater samples collected during this investigation. MtBE was detected in both samples at concentrations ranging from 400 μ g/L to 760 μ g/L.

Stantec will commence quarterly groundwater monitoring and sampling of the newly installed well during the fourth quarter of 2012. Following the First Quarter 2013 monitoring and sampling

October 5, 2012 Page 8 of 8

event, Stantec proposes to identify a feasible downgradient location for proposed monitoring well MW-5, and will submit a workplan to the ACEHS at that time.

The results of the assessment work 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.

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

Sincerely, Stantec Consulting Services Inc. SHESSIONAL GEOLOGIC AMANDA MAGEE . . Amanda S. Magee, P G. Danielle Manning No. 8908 Associate Geologist Associate Scientist FIE OF CALIFORNIE 69.30.14 S

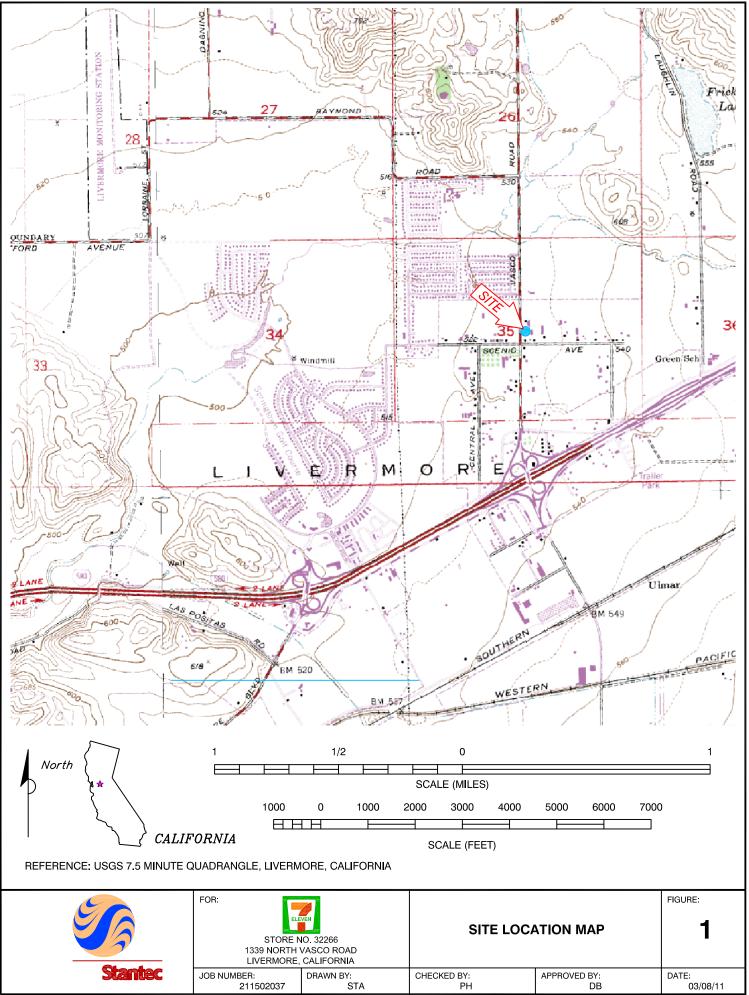
Damon Brown Senior Geologic Consultant

ATTACHMENTS

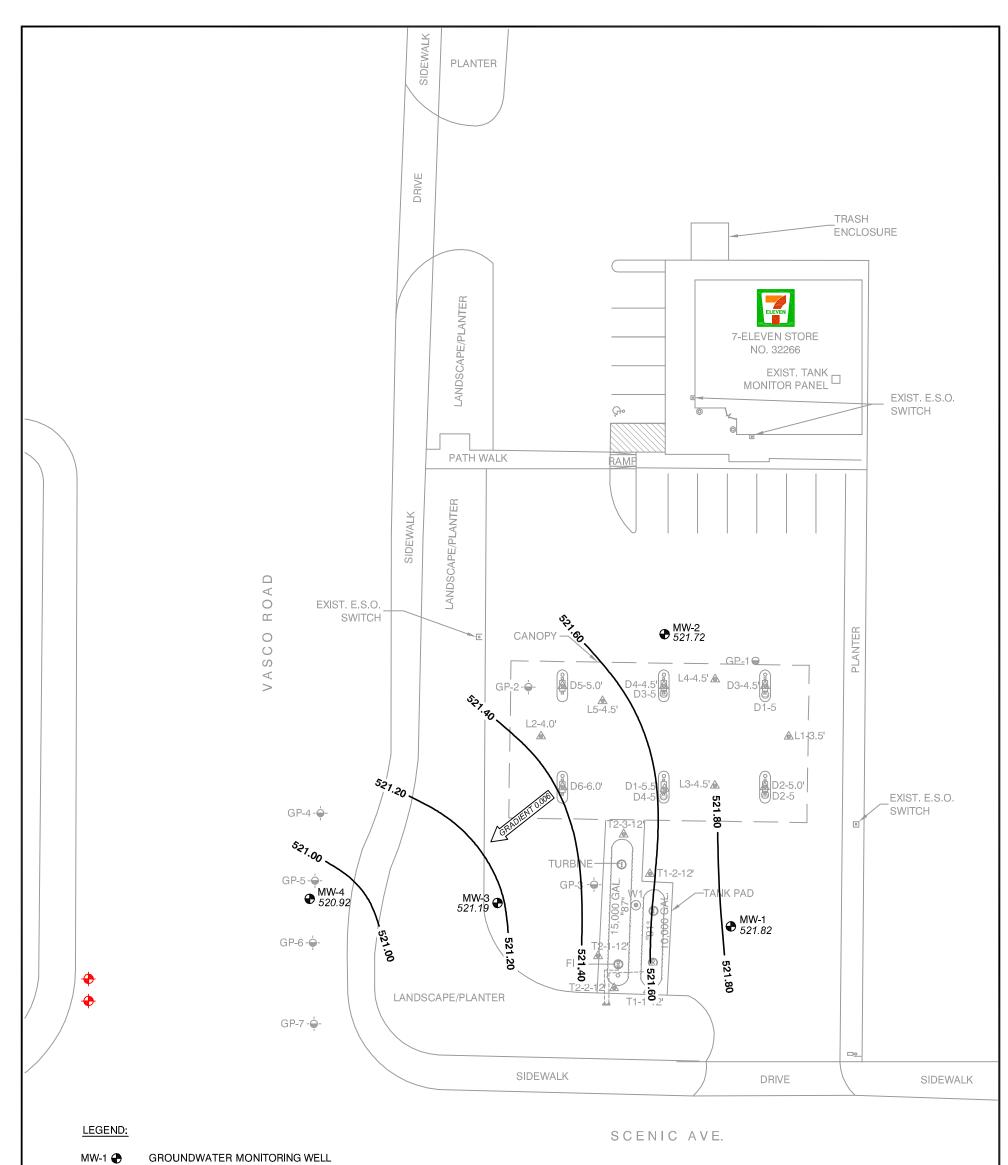
Figures Tables Attachment A – Regulatory Correspondence Attachment B – Well Installation Permits Attachment C – Field Notes Attachment D – Soil Boring Log Attachment E – Survey Map Attachment F – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Mr. John Wainwright, Stantec, 308 East 4500 South, Suite 100, Murray, Utah 84101 Mr. Michael Blau, Michael M. Blau Trust, P.O. Box 2768, Danville, California 94526 **Stantec**

Figures

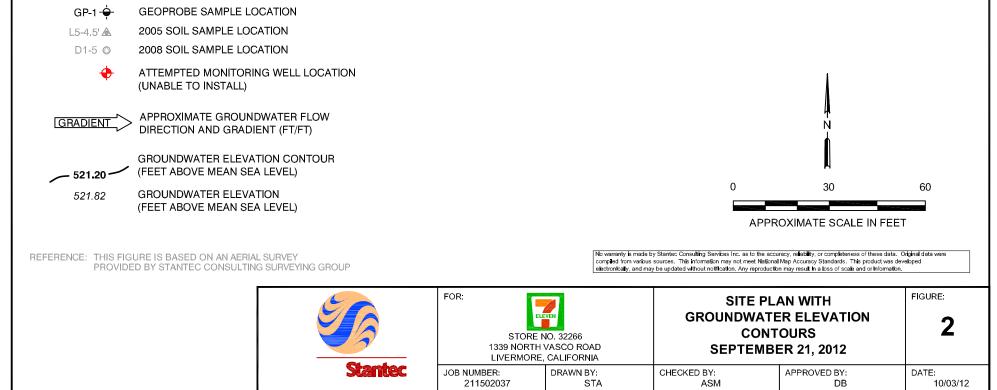


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UST EXCAVATION WATER SAMPLE LOCATION



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Stantec

Tables

TABLE 1 Historical Soil Sample Analytical Results

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

Sample	Date	Sample Depth	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHg	MtBE	DIPE	EtBE	TAME	ТВА	EDB	EDC	EtOH	Total Lead	Notes
I.D.	Sampled	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Dispenser Sam	ples																
D1-5.5	01/28/05	5.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.71	
D2-5.0	01/28/05	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.039	<0.0050	<0.0050	<0.0050	0.016	<0.0050	<0.0050	0.010	6.57	
D3-4.5	01/28/05	4.5	0.026	0.086	0.010	0.055	<1.0	0.14	<0.0050	<0.0050	<0.0050	0.0064	<0.0050	<0.0050	0.27	28.4	J
D4-4.5	01/28/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.012	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.01	
D5-5.0	01/28/05	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.53	
D6-6.0	01/28/05	6.0	<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	0.018	<0.0050	<0.0050	<0.0050	0.049	<0.0050	<0.0050	<0.010	4.98	
D1-5.5	12/04/08	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.024	<0.0050	<0.0050	<0.0050	0.0076					a, c
D2-5.0	12/04/08	5.0	0.21	0.59	0.26	1.4	12	<0.0050	<0.0050	< 0.0050	<0.0050	<0.0050					b, c
D3-4.5	12/04/08	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					a, c
D4-4.5	12/04/08	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					b, c
Line Samples																	
L1-3.5	01/28/05	3.5	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	< 0.0050	< 0.0050	<0.0050	<0.0050	<0.010	5.51	
L2-4.0	01/28/05	4.0	<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	11.2	
L3-4.5	01/28/05	4.5	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	< 0.0050	<0.0050	<0.0050	<0.010	7.14	
L4-4.5	02/09/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.61	
L5-4.5	02/09/05	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	< 0.0050	<0.010	6.49	
UST Excavation	Samples																
T1-1-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.034	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.82	
T1-2-12	01/28/05	12	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	2.4	<0.0050	<0.0050	0.0068	2.6	<0.0050	<0.0050	<0.025	6.49	
T2-1-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.016	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	6.65	
T2-2-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	7.50	
T2-3-12	01/28/05	12	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.18	<0.0050	< 0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	5.66	
Soil Boring Soil	Samples																
GP-1-5	04/20/10	5	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
GP-1-10	04/20/10	10	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050	<0.0050	< 0.0050	<0.0050	<0.0050					
GP-1-15	04/20/10	15	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050	<0.0050	< 0.0050	<0.0050	<0.0050					
GP-2-10	04/20/10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
GP-2-15	04/20/10	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
GP-3-5	04/20/10	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
GP-3-10	04/20/10	10	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	0.023	<0.0050	< 0.0050	< 0.0050	< 0.0050					
GP-3-15	04/20/10	15	< 0.0050	<0.0050	< 0.0050	<0.0050	<1.0	1.1	<0.0050	< 0.0050	< 0.0050	0.0076					J

TABLE 1 Historical Soil Sample Analytical Results

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

Sample I.D.	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPHg (mg/kg)	MtBE (mg/kg)	DIPE (mg/kg)	EtBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	EtOH (mg/kg)	Total Lead (mg/kg)	Notes
GP-4-5	07/10/12	5	<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	< 0.0050									
GP-4-10	07/10/12	10	<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050									
GP-4-15	07/10/12	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-4-20	07/10/12	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-4-25	07/10/12	25	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-5-5	07/10/12	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-5-10	07/10/12	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-5-15	07/10/12	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.024					-				
GP-5-20	07/10/12	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.056									
GP-5-25	07/10/12	25	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.024					-				
GP-6-5	07/11/12	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-6-10	07/11/12	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050					-				
GP-6-15	07/11/12	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-6-20	07/11/12	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-6-25	07/11/12	25	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-7-5	07/12/12	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-7-10	07/12/12	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-7-15	07/12/12	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
GP-7-20	07/12/12	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
Monitoring Wel	ls																
MW-1-10	02/23/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
MW-1-20	02/23/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
MW-2-10	02/24/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
MW-2-20	02/24/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
MW-3-10	02/23/11	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.33	<0.0050	<0.0050	<0.0050	0.0082					J
MW-3-20	02/23/11	20	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.22	<0.0050	<0.0050	<0.0050	0.053					J
MW-3-25	02/23/11	25	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.084	<0.0050	<0.0050	<0.0050	0.010					J
MW-4@10'	09/07/12	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									
MW-4@15'	09/07/12	15	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.010									
MW-4@19.5	09/07/12	19.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	0.016									
MW-5-5	09/12/12	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050									g

TABLE 1 Historical Soil Sample Analytical Results

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

Sample I.D.	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPHg (mg/kg)	MtBE (mg/kg)	DIPE (mg/kg)	EtBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	EtOH (mg/kg)	Total Lead (mg/kg)	Notes
Stockpile Soil S		(((3/	((((3/	((((((((
SP1 (ABCD)	01/28/05		<0.0050	<0.0050	< 0.0050	< 0.0050	<1.0	<0.0050								3.75	
SP1 (EFGH)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								2.66	
SP1 (IJKL)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								3.30	
SP1 (MNOP)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								4.40	
SP2 (ABCD)	01/28/05		<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050								3.80	
SP2 (EFGH)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								3.01	
SP2 (IJKL)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050					-			3.24	
SP2 (MNOP)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050					-			5.15	
SP2 (QRST)	01/28/05		<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050								2.75	
SP2 (UVWX)	01/28/05		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050					-			3.17	
SP3 (ABCD)	01/28/05		<0.0050	<0.0050	< 0.0050	<0.0050	<1.0	<0.0050					-			3.14	
SP1(ABCD)	12/04/08		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	-			4.4	b,c
SP1(ABCD)	04/20/10		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								6.8	е
SP1(ABCD)	02/24/11		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								7.6	
SP1(ABCD)	09/07/12		<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<0.0050								6.1	f

Explanation:

TPHg, BTEX, MtBE, DIPE, ETBE, TAME, TBA, EDB, EDC, EtOH by 8260 ft bgs = Feet Below Ground Surface mg/kg = milligrams per kilogram or parts-per-million < = Not detected above laboratory reporting limit TPHg = Total petroleum hydrocarbons-as-gasoline MtBE = Methyl-tert-butyl ether DIPE = Diisopropyl ether EtBE = Ethyl-tert-butyl ether TAME = Tert-amyl-methyl ether --- = not analyzed TBA = Tert-butyl alcohol EDB = 1,2-Dibromoethane EDC = 1,2-Dichloroethane EtOH = Ethanol Total Lead analysis by 6010B

Notes:

a = Matrix Spike/Matrix Spike Duplicate results for the analytes tert-butanol and toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

b = Matrix Spike/Matrix Spike Duplicate results for the analyte methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

c = composite soil profile samples

UST = Underground Storage Tank

d = Note that dispenser sample names/designations differ in location from dispenser samples collected in 2005.

J = TBA results may be biased slightly high and is flagged with a 'J'. A fraction of MtBE (up to 5%) converts to TBA during the analysis of soil samples.

This conversion effect is considered to be mathematically significant in samples that contain MtBE/TBA in ratios of over 3:1.

e = Matrix Spike/Matrix Spike Duplicate results for the analytes Ethylbenzene, P + M Xylene, O-Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked.

Since the LCS recoveries were within control limits, no data are flagged.

f = Matrix Spike/Matrix Spike Duplicate results for the analyte ethylbenzene were affected by the analyte concentrations already present in the un-spiked sample.

g = proposed well not installed at that time

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	Xvlenes	TPHa	MtBE	тва	DIPE	EtBE	ТАМЕ	EDB	EDC	EtOH	Notes	Oxygen	DTW	SPT	WTE
(TOC)	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	Notes	(mg/L)	(feet)	(feet)	(feet)
UST Excava	tion Groun	,		(1-9,-)	(*9'-)	(1-3/-/	(*9'-)	(~9'-/	(1-9,-)	(1-16-1)	(~3'-)	(~3'-/	(~9'-/	(1-16-1)		(1119/12/	(1001)	(1001)	(1001)
W1	01/28/05	25	290	62	520	3,400	180	15	<1.5	<1.5	<1.5	<1.5	<1.5	2,600					
Baker Tank	Samples																		
BT-1	02/04/05	< 0.50	<0.50	<0.50	0.70	<50	340												
BT-2	02/04/05	<0.90	<0.90	<0.90	<0.90	<90	400												
Grab Groun	dwater San	nples																	
GP-1W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50								
GP-2W	04/20/10	<0.50	<0.50		<0.50	<50	2.9	<5.0	<0.50	<0.50	<0.50			-				-	
GP-3W	04/20/10	<0.50	<0.50	<0.50	<0.50	<50	380	<5.0	<0.50	<0.50	0.71								
GP-4W	07/10/12	<0.50	<0.50	<0.50	<0.50	75	13								С				
GP-5W	07/11/12	<0.50	<0.50	<0.50	<0.50	95	350												
GP-7W	07/12/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50												
Monitoring	Well Sampl	es																	
MW-1																			
530.22	03/16/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50					2.04	8.07	0.00	522.15
	05/26/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50				а	0.35	7.88	0.00	522.34
	08/09/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50				а	0.71	8.30	0.00	521.92
	10/17/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50					0.5	8.27	0.00	521.95
	01/20/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50				а	0.8	8.51	0.00	521.71
	04/05/12	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50					0.44	8.22	0.00	522.00
	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
	09/21/12																8.40	0.00	521.82
MW-2																			I
530.55	03/16/11	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<5.0	<0.50	<0.50	<0.50					1.63	8.31	0.00	522.24
550.55	05/26/11	<0.50	<0.50	<0.50	<0.50	<50 <50	<0.50	<5.0 <5.0	<0.50	<0.50	<0.50					0.46	8.37	0.00	522.24
	08/09/11	<0.50	<0.50	<0.50	<0.50	<50 <50	<0.50	<5.0 <5.0	<0.50	<0.50	<0.50				а	0.40	8.82	0.00	521.73
	10/17/11	<0.50	<0.50	<0.50	<0.50	<50 <50	<0.50	<5.0 <5.0	<0.50	<0.50	<0.50				a	1.2	8.74	0.00	521.75
	01/20/12	<0.50	<0.50	<0.50	<0.50	<50 <50	<0.50	<5.0	<0.50	<0.50	<0.50				а	0.7	8.96	0.00	521.59
	04/05/12	<0.50	<0.50	<0.50	<0.50	<50 <50	<0.50	<5.0	<0.50	<0.50	<0.50				ŭ	0.51	8.88	0.00	521.67
	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
	09/21/12	-0.00	-0.00	-0.00													8.83	0.00	521.72
	50/21/12																0.00	0.00	521.12
1												l	l		1				

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)
MW-3																			
530.74	03/16/11	<0.50	<0.50	<0.50	<0.50	<50	5,600	170	<0.50	<0.50	10					2.54	9.11	0.00	521.63
	05/26/11	<0.50	<0.50	<0.50	<0.50	<50	3,200	180	<0.50	<0.50	5.4					0.32	9.15	0.00	521.59
	08/09/11	<0.50	<0.50	<0.50	<0.50	<50	1,700	78	<0.50	<0.50	2.8					0.42	9.36	0.00	521.38
	10/17/11	<0.50	<0.50	<0.50	<0.50	<50	1,900	85	<0.50	<0.50	2.9				b	0.6	9.37	0.00	521.37
	01/20/12	<0.50	<0.50	<0.50	<0.50	<50	1,100	58	<0.50	<0.50	2.2					0.5	9.57	0.00	521.17
	04/05/12	<2.5	<2.5	<2.5	<2.5	<250	2,000	57	<2.5	<2.5	3.3				b	0.47	9.44	0.00	521.30
	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
	09/21/12	<1.5	<1.5	<1.5	<1.5	<150	760	32	<1.5	<1.5	1.5				b		9.55	0.00	521.19
MW-4																			
529.93	09/21/12	<0.50	<0.50	<0.50	<0.50	<50	400	<5.0	<0.50	<0.50	0.69						9.01	0.00	520.92

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

<u>Notes</u>

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 Boring	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	09/07/12	20	2	5	20	15	Off-site monitoring well
MW-5	Proposed	20	2	5	20	15	Proposed off-site monitoring well
Explanation bgs = Below g	round surface						

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

Attachment A Regulatory Correspondence

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

ALEX BRISCOE, Director



ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

March 26, 2012

Mr. Jose Rios 7-Eleven, Inc. One Arts Plaza 1722 Routh Street, Suite 1000 Dallas, TX 75201 (Sent via E-mail to: jose.rios@7-11.com) Mr. Michael Blau Michael H. Blau Trust PO Box 2768 Danville, CA 94526

Subject: Conditional Work Plan Approval for Fuel Leak Case No. RO0002999 and GeoTracker Global ID T10000001067, 7 Eleven #32266, 1339 Vasco Road, Livermore, CA 94551

Dear Mr. Hilliard and Mr. Blau:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the most recent documents entitled, "*Revised Work Plan for Additional Site Assessment,*" dated March 5, 2012 (Work Plan) and "*Quarterly Groundwater Monitoring Report – Fourth Quarter 2011,*" dated October 3, 2011 (Monitoring Report). In correspondence dated November 21, 2011, ACEH requested that you submit a Revised Work Plan to delineate the plume and to assess whether groundwater contamination from the site potentially could affect water supply wells in the area.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

- 1. **Phased Approach.** We have no objection to a phased approach to investigation. However, we request that you submit the results from the first phase of investigation and the results from the well survey requested in technical comment 2 prior to implementing the proposed monitoring well installation.
- 2. Locations of Water Supply Wells. Figure 3 of the September 29, 2010, "Work Plan for Additional Site Assessment and Detailed Well Survey," shows two water supply wells located approximately 300 feet west of the site. It is necessary to inspect these locations and conduct a door to door well survey to assess the accuracy of these water supply well locations and to determine whether these water supply wells remain active or may have been destroyed. This information is necessary to assess whether the plume could impact water supply wells. Please include this information in the Site Investigation Report requested below.
- 3. **Groundwater Monitoring.** The existing monitoring wells have been sampled during four consecutive monitoring events. Please consider implementing semi-annual groundwater monitoring for these existing wells in the future unless the groundwater monitoring data is needed in association with ongoing site investigation activities.

Responsible Parties RO0002999 March 26, 2012 Page 2

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- April 30, 2012 Quarterly Groundwater Monitoring Report Fourth Quarter 2011
- July 26, 2012 Site Investigation Report

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: <u>http://www.acgov.org/aceh/index.htm</u>. As your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297 Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566 (Sent via E-mail to: <u>dstefani@lpfire.org</u>)

Colleen Winey (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (Sent via E-mail to: <u>cwiney@zone7water.com</u>)

Damon Brown, Stantec Consulting Corporation, 3017 Kilgore Road, Suite 100, Rancho Cordova, CA 95670 (Sent via E-mail to: <u>damon.brown@stantec.com</u>)

Donna Drogos, ACEH (Sent via E-mail to: <u>donna.drogos@acgov.org</u>) Jerry Wickham, ACEH (Sent via E-mail to: <u>jerry.wickham@acgov.org</u>)

GeoTracker, eFile

Magee, Amanda

From: Sent:	Wickham, Jerry, Env. Health <jerry.wickham@acgov.org> Tuesday, July 24, 2012 1:42 PM</jerry.wickham@acgov.org>
То:	Magee, Amanda
Cc:	Brown, Damon; Lichtenberger, Deborah
Subject:	RE: 7-11 #32266, 1339 Vasco Road, Livermore, Fuel Leak Case Number RO0002999

Ms. Magee,

The locations of the two monitoring wells as proposed in the Additional Site Assessment Report dated July 20, 2012 are acceptable. The wells may be installed as proposed.

Regards, Jerry Wickham Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502-6577 phone: 510-567-6791 jerry.wickham@acgov.org

From: Magee, Amanda [mailto:Amanda.Magee@stantec.com]
Sent: Tuesday, July 24, 2012 9:21 AM
To: Wickham, Jerry, Env. Health
Cc: Brown, Damon; Lichtenberger, Deborah
Subject: 7-11 #32266, 1339 Vasco Road, Livermore, Fuel Leak Case Number RO0002999

Mr. Wickham,

I hope you have had a chance to look at the Site Assessment Report submitted for 7-Eleven #32266. We are awaiting your response and approval to move forward with the second phase of investigation (installation of two monitoring wells). Please let me know if you have any questions or comments.

Thank you,

Amanda Magee, PG Associate Geologist Stantec 3017 Kilgore Road Suite 100 Rancho Cordova CA 95670 Ph: (916) 384-0743 Fx: (916) 861-0430 Cell: (916) 747-3181 Amanda.Magee@stantec.com stantec.com

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Please consider the environment before printing this email.

Stantec

Attachment B Well Installation Permits



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306 E-MAIL whond@zone?water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT Continued Environmental Investigation for 7-Eleven Store #32266 at 1339 North Vasco Road, Livermore, CA	PERMIT NUMBER 2012058 WELL NUMBER 2S/2E-35G12 (MW-4), 2S/2E-35G13 AFN 099B-8122-001-00 (MW-5)
Coordinates Sourceft_Accuracy//ft LAT:ft_LONG:ft_	PERMIT CONDITIONS
	(Circled Permit Requirements Apply)
CLIENT Name 7-Eieven, Inc., Jose Rios, Manager, Environmental Services Address F.O. Box 711 Phone (972) 828-6592 City Datias_TX Zip APPLICANT Name Debble Lichtenberger for Stantes Consulting Services, Inc. Email Geborah Bohtenberger@stantes.com Fax 916-081-0830 Andress 3017 Kilgore Road, Suite 100 Phone 016-364-0724	 GENERAL A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date. Submit to Zone 7 within 60 days after completion of permitted work the original <u>Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller</u> Permit is void if project not begun within 90 days of approval date. Notify Zone 7 at least 24 hours before the start of work.
City_Rancho Cordeva, CA Zip_95670 TYPE OF PROJECT: Well Construction Well Construction Geotechnical Investigation Well Destruction Contamination Investigation Cathodic Protection Other PROPOSED WELL USE: Inrigation Demestic Inrigation Municipal Remediation Industrial Groundwater Monitoring Zip Other	 B. WATER SUPPLY WELLS Minimum surface seal diameter is four inches greater than the well casing diameter. Minimum seal depth is S0 feet for municipal and industrial wells or 20 feet for domestic and imigation wells unless a lesser depth is specially approved. Grout placed by trame. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements. A sample port is required on the discharge pipe near the wellhead.
DRILLING METHOD: Mud Potary Air Rotary Cable Tool Direct Push X Ofher DRILLING COMPANY WDC Exploration and Wells DRILLER'S LICENSE NO 283226	 C GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS Minimum surface seal clameter is four inches greater than the well or piezometer casing diameter Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. Grout placed by tremie.
WELL SPECIFICATIONS Drill Hole Diameter 8 in Maximum Casing Diameter 2 in Depth 20 ft. Surface Seal Depth 9 ft. Number MW-4 and MW-5	D GEOTECHNICAL Backfill bore hole with compacted cuttings or heavy centonite and upper two feet with compacted material in areas of known or suspected contamination; tremied cement grout shall be used in place of compacted cuttings.
SOIL BORINGS: Number of Borings 4 Maximum Hole Diameter 2 in Denih 25 ft	E. CATHODIC Fill hole above anode zone with concrete placed by tremie.
ESTIMATED STARTING DATE sifter June 1, 2012 ESTIMATED COMPLETION DATE bafore June 30, 2012	F WELL DESTRUCTION. See attached.
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68	SPECIAL CONDITIONS Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results. Approved
SIGNATURE 174000400 Date Date	Wyman Hong
ATTACH SITE PLAN OR SKETCH 07/10/12 WDC Advance t	he 4 Soil Borings

07/10/12 WDC Advance the 4 Soil Borings 07/26/12 Change of Driller to Gregg Drilling & Testing C57-485165 to install the Wells.

Revised January 4, 2010

City of Livermore Community Development Department 1052 S. Livermore Avenue Livermore, CA 94550 (925) 960-4500

Encroachment Permit No. EN120195 Type: Other

PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN. Permit Fee: \$90.00

		Inspection Fee:	\$1,000.00
Applicant/I	Permittee:	Bond:	\$0.00
Name:	Stantec Consulting Services		
Address:	3017 Kilgore Rd., Suite 100		¥.
	Rancho Cordova, Ca., 95670		
Phone:	916-861-0400		
		Total:	\$1,090.00
Contractor	:		P.J. 410/12
Name:	Wdc Exploration & Wells		Taid
Address:	1961 Meeker Ave.		1/18/12
	Richmond, Ca. 94804		9.9
Phone:	510-236-6282		

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.

JOB LOCATION: 1339 Vasco Road, North ****

DESCRIPTION OF WORK: Installation of two (2) Monitoring wells to 20 to 25 FBG along with four soil borings. In the locations ajacent to above referenced site. Well lid to be flush with existing sidewalk/pavement and lid to be locking type. See attached plan with proposed well location.

Length of Excavation: L.F. Width: L.F. Depth: L.F.

Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Hold Harmless and Indemnification Agreement: <u>Stantec Consulting Services</u> agrees to defend, indemnify and hold the City of Livermore, elected officials, officers, directors, employees, agents and volunteers harmless from and against any and all loss, liability, damage, including reasonable attorney and expert fees and/or court costs, arising out of or in connection with this agreement, except for the gross negligence and willful misconduct of the City of Livermore, its elected officials, officers, employees, agents and volunteers.

Stantec Consulting Services	
Signature of Permittee:	
By: Colim	
Title: Geologist	
Date: 7/3/12	

City E	ngineer				
C		1 7	T	>	
By:	5	and the second se	t		
- Бу.					

Date of Issue: _ 6 - 11 - 12

Inspector: _____

Date Work Completed:

CITY OF LIVERMORE GENERAL PROVISIONS

14

- 1. The permittee shall begin work as authorized under this permit within 45 days from the date of issuance, unless a different date is stated in the permit. If the work is not begun within 45 days or the time stated in the permit, the permit shall become void. The permit shall be valid for a term of 6 months from the date of issuance, or as otherwise stated on the permit, unless discontinued by the use or removal of the encroachment for which the permit was issued.
- 2. This permit is issued only for that portion of work in the City of Livermore public right-of-way.
- 3. All construction shall be in accordance with City Standard Details and Specifications.
- Permittee shall notify Underground Service Alert (U.S.A.) at 800-227-2600 prior to excavation. All underground contractors must have U.S.A. inquiry identification number.
- Permittee is hereby cautioned that unless otherwise noted herein, traffic signal detector loops, wiring, etc., shall not be disturbed. Request marking from the City of Livermore Street Maintenance Dept. at 960-8020.
- 6. All excavations shall conform to the requirement of the State of California Division of Occupational Safety and Health.
- Permittee shall furnish all safeguards and post warning signs in advance of work area for vehicular traffic and shall clear the roadway of any
 obstructions or debris at the end of each work day. All safety devices shall conform to the latest edition of the State of California "Manual of
 Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways".
- 8. No public road under the jurisdiction of the City Engineer shall be closed to travel by the general public without special permission, in writing, from the City Engineer (Sec. 12.08.180 Livermore Municipal Code). No lane closures will be allowed between 6:00 a.m. and 9:00 a.m. or between 3:30 p.m. and 6:30 p.m. At other times, at least one lane of traffic shall be kept open to the general public.
- No more than 300 linear feet of continuous excavation shall be opened at one time. Excavate only that length of trench which can be backfilled and compacted to specified requirements the same day. Temporary pavement must be placed the same day.
- 10. Backfill shall be placed in accordance with the current City Standard Detail G-1.
- 11. Metal plates of sufficient thickness for legal load traffic or temporary paving, 1½", minimum thickness and coated with a "non-skid" material, shall be placed over any unpaved areas at the end of each work day. Temporary pavement must be placed around all edges of said plates. Sidewalk construction areas shall be left in a safe condition.
- 12. Material excavated from within the City road right-of-way under this permit shall be removed from within the right-of-way and disposed of in a legal manner. (Sec. 12.08.170 Livermore Municipal Code)
- 13. The right-of-way shall be left clean and orderly daily to the satisfaction of the City Engineer or his representative. The permittee shall give particular attention to maintaining the project in a dust-free condition while performing the various items of work and during non-working periods, including weekends.
- 14. Job sites left in an unsafe condition will be secured by City personnel and the permittee will be billed for all expenses incurred by the City.
- 15. Final asphalt concrete surfacing shall be placed within 14 days of completion of each 300 linear feet of excavation. If the edges of the trench have been ravelled prior to final surfacing, the edges shall be re-sawn.
- 16. Where concrete is placed in a planter strip, score lines, construction joints and expansion joints shall be continued across entire sidewalk area. Where curb, gutter and sidewalk are placed monolithically, the "back edge" of the curb shall be scored.
- 17. No culverts or storm drains are to be cut or disturbed. Direction of flow and capacity of existing surface water drainage facilities shall not be materially changed.
- 18. Access to public and private properties adjacent to the public road in which work is authorized shall not be denied by reason of such work. Special measures shall be taken to insure passage for emergency vehicles over and at the site of work at all times.
- 19. In the event that any future improvement of the road right-of-way necessitates the relocation of the encroachment for which this permit is issued, the permittee shall relocate same at his sole expense.
- 20. Priority shall be given to operations performed under this contract let by the City of Livermore for certain work at this location. Coordination shall be effected through said Contractor and the Project Representative for the City.
- 21. Any existing facilities damaged or removed in the course of the work shall be replaced in kind or better, including ground and pavement surfaces, signs, striping, markers, curb, gutter, survey monuments, trees and other vegetation, etc., to the satisfaction of the owner of said facility.
- 22. In accordance with the Livermore Municipal Code, a cash deposit or surety bond may be required. The deposit placed for this work will be held for 90 days after the final inspection.

PERMITTEE SHALL NOTIFY CITY INSPECTOR AT 960-4500 WITHIN THREE (3) DAYS AFTER WORK IS COMPLETED.

FAILURE TO COMPLY WITH THESE PROVISIONS WILL RESULT IN THE CITY'S TAKING WHATEVER MEASURES NECESSARY TO CONFORM TO PERMIT CONDITIONS AND THE PERMITTEE WILL BE BILLED FOR ALL EXPENSES INCURRED. City of Livermore

Encroachment Permit No. EN120195

Community Development Department 1052 S. Livermore Avenue Livermore, CA 94550 (925) 960-4500

SPECIAL REQUIREMENTS APPLICABLE TO WORK ASSOCIATED WITH

JOB LOCATION:

1339 Vasco Road, North ****

DESCRIPTION OF WORK: Installation of two (2) Monitoring wells to 20 to 25 FBG along with four soil borings. In the locations ajacent to above referenced site. Well lid to be flush with existing sidewalk/pavement and lid to be locking type. See attached plan with proposed well location.

1: See Attached Drawing/Plans

2: Traffic control shall be completed per Cal Trans Standards and any additional requirements deemed necessary by the City Engineer.

3: All work shall be completed between the hours of 9 a.m. and 3 p.m.

4: All lane closures/ traffic control shall be done per Cal Trans Standards.

5: Contractor shall repair/replace all damaged curb, gutter and sidewalk damaged as a result of current work being completed per the City Livermore Standard Details.

6: Pedestrian access must be maintained at all times, including if necessary, escorting pedestrians through the work area.

7: All trenchwork and small excavations in the street shall be completed per City Std Detail G-1.

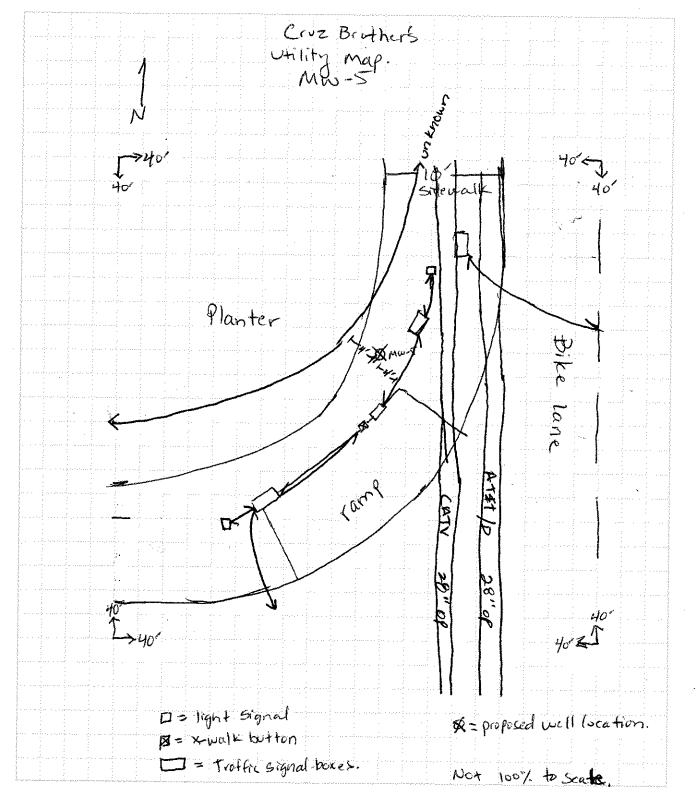
Stantec

Attachment C Field Notes

SITE ADDRESS: 1339 North Vasco Road START DATE: 8/27/2012 Livermore, CA DATE PREPARED: 8/24/2012 PREPARED FOR: Alex Hernandez PREPARED BY: Amanda Magee SITE VISITATION REPORT Name(s) Alex Hernandez Date: 8/27/12 Did you call in? 65 No Arrival Time: 720 "Departure Time: 9/27/12 Did you call? Armanda Arrival Time: 7320 "Departure Time: 9/27/12 Did you call? Armanda We ather Notations: CIN CLOUDY RAIN SNOW Temperat Veather Notations: CIN CLOUDY RAIN SNOW Temperat STATTECS ENVIRONMENTAL: Purge Water <u>7-ELEVENS FACILITY: TOTALS:</u> Soil <u>Concrete/Debris</u> Other: 7-100	iture: ~807
PREPARED FOR: Alex Hermandez PREPARED BY: Amanda Magee Name(s) Alex Hermandez Date: 8/21/12 Did you call in? Solowicall in? No Arrival Time: J320 "Departure Time: Who did you call? Amanda Magee Weather Notations: GUN CLOUDY RAIN SNOW Amanda Magee Date: 8/21/12 Did you call in? Os No Weather Notations: GUN CLOUDY RAIN SNOW Temperat DRUM INVENTORY Stantec's environmental: Purge Water 7-ELEVEN'S FACILITY: TOTALS: Soil Locked/Labeled HAZ Total Open Top Total Bung Top Other: Other: Other: Total Bung Top Please take a picture of anything not of HEALTH AND SAFETY ASSESSMENT	iture: ~807
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HEALTH AND SAFETY ASSESSMENT	clearly labeled
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BZO AT Arrives on site. At lets store manager know of upcoming 13-30 At Calls Amanda to update her of correct activities. Mubilize MW-5 to mark for USH.	activities. to
1400 Cruz Brothers on site: Chris Culver, Bigin H&S meeting.	
1430 Finish H& 5 meeting. Set up on proposed MW-5 and begin utility locat	ling
1500 Finish utility locating activities at MW-5. Stur may off site. All contin	nces
to maxil for USA.	
1620 AH finish USA marking. Call USA-North.	
Note An Finish USA Marchag. CALL USAF-North.	
USATicket # 315788 Until 24th Sept (well MW-4)	
WATER # 315902 Until 24th Sept (well MW-5)	
1645 AH mob off site.	
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7- Eleven Store No. 32266



Designed by:

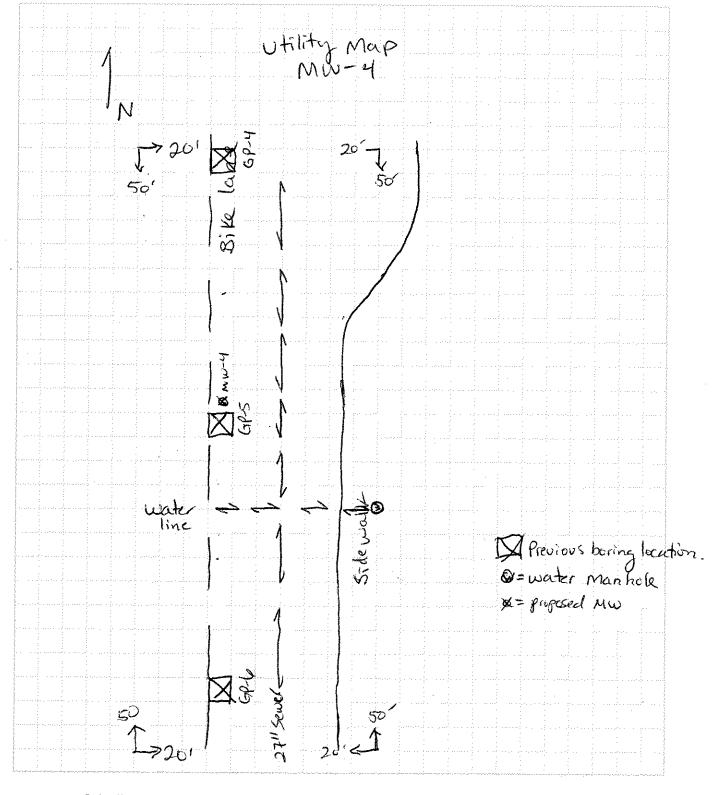
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7- Eleven Store No. 322.66

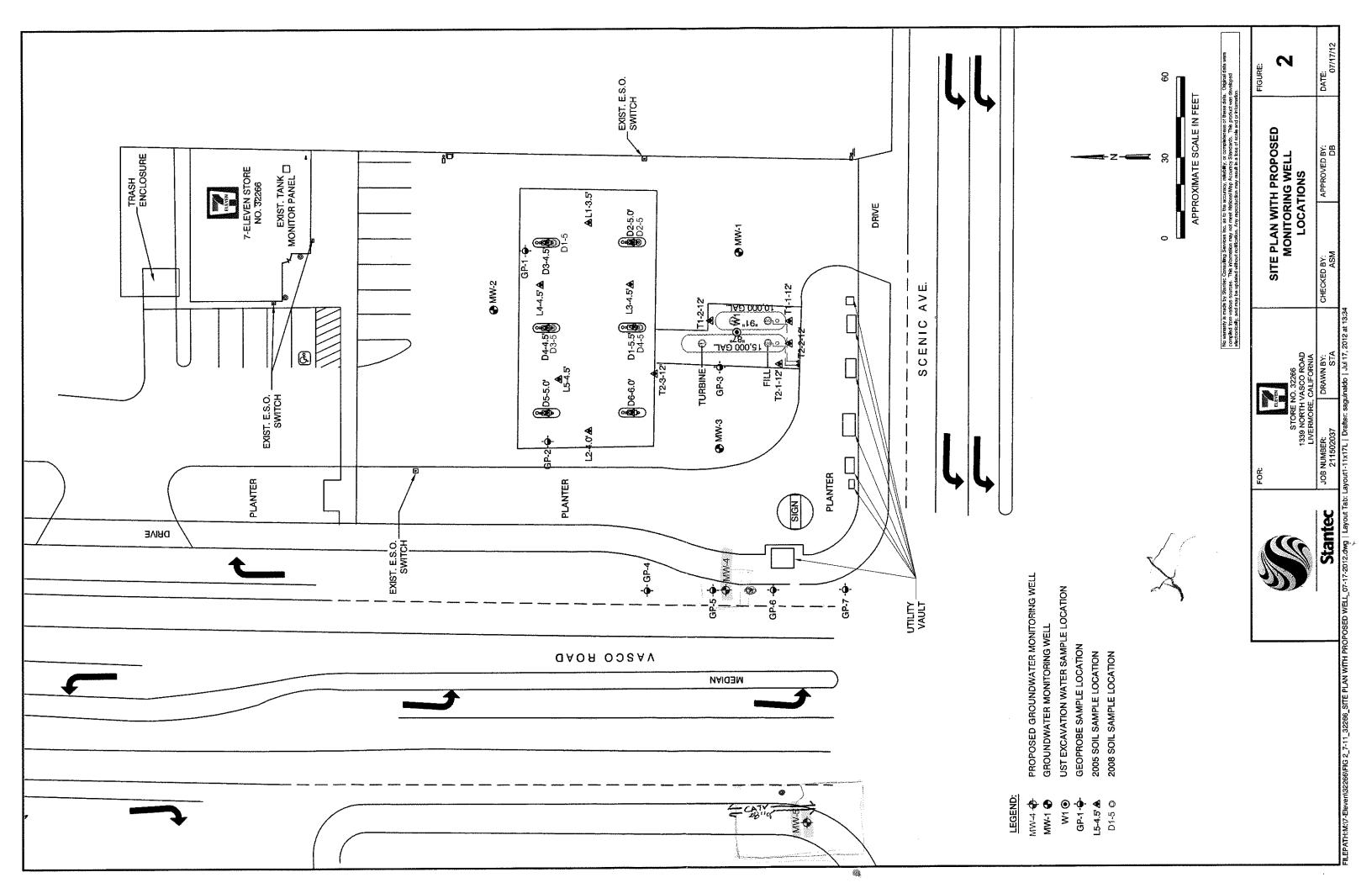


Designed by:

Checked by:

FSC FSC* C101537

Printed on FSC*-certified and 100 percent recycled postconsumer waste paper



JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0600
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/4/2012
	Livermore, California	DATE PREPARED:	8/30/2012
PREPARED FOR:	Alejandra Hernandez	PREPARED BY:	Amanda Magee
	SITE	VISITATION REPORT	
Name(s) Alejen		$\alpha = \frac{\alpha}{4}/\frac{4}{12}$ Did you	
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Weather Notations:	SUN CLOUDY	RAIN SNOW	Temperature: VSO 5 F
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1310 Finish a	it unife activities e	m MW-4. Bayin de	mob activities.
	ding up traffic contra		
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	Dilling: Nichol	2> A. Lackly and <	Jean racio, and

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JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0600	
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/4/2012	
	Livermore, California	DATE PREPARED:	8/30/2012	
PREPARED FOR:	Alejandra Hernandez	PREPARED BY:	Amanda Magee	

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)
Field Work Conducted By: Alejandra Hernonder Date: 9/5/12
Statiwide : Beau Majewski, on site
0820 Benin Has meeting.
0850 Finish NAS meeting. Begin Traffic control set up
All notices a livermore representative marking utilities again. - Water fine Award mater markings were moved to new location
Old prackings were deleted. New water markings are 1 ft away from party MW-4. Att called PM to notify of change, and called
city of Livermore water district to come out and recorder ty
New markings, City of Livermon water 5 9457 (925) 960- 8100
0930 Finish Traffic control set up. All on Standby due to new marking
1000 City of liver more water representative on site. He confirms
that the New markings are correct, old markings were from an older
Map/asbuilt. All work will stop for today. Tomorrow a new location
will be air traifed.
Gregg drilling Mob off site. Degin picking up truffic control.
1050 Finish picking up traffic control. Statewide and All off site-
Jan 3 9/6/12
OBOG AH and Statewide On site Barn HAS meeting with Statewide.
0840 Grege Drilling on site Begin HAS meeting with Gregg
0850 Begin traffic control set of
0900 Finish Hts method with Grage, Wait for traffic control to finish set of.
2935 Finish Setting up tratfic control. By setting up equipperent and exclusion to
0945 City of Livermore water representative and site for air unite activities:
Jim Loberg, Water Resources Coordinator, Regin air knife activities.
1025 City of Rivermore Engineering Div. on site & Robert Tingky. RT
observed traffic control and left after a few minutes.
1145 All break for lunch. Jim Loberg is No longer on site.
212 All beek from lunch. Conduct 2= tailgate meeting.
1225 Finish trilgate meeting Bagin air knote activities.
400 Finish air hite activities. Air knife Truck mob off site. Bogin
demobilization activities.

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0600
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/4/2012
	Livermore, California	DATE PREPARED:	8/30/2012
PREPARED FOR:	Alejandra Hernandez	PREPARED BY:	Amanda Magee

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont) Field Work Conducted By: Aleiandra Hernunder Date: 9/6/12 1440 Grenn off site. Begin picking up traffi rentrol off All and Statewide 530 91 -Day AH Statemide HA Gaga mas Brin Finis Bar AH Cal 74 Inspector activi Incocator will today un an ok aputines ANN. RAIN CYTO Beain e quitome ina actic 1145 Inspector on activities leaves Sit and Inspec Ò L with 12/00/2 1205 Finish installing Monitoring well Mw-4 Beatin As Greag 1235 ahou Gregg Drilling Dar 10 520 truck to and eeded Mabilize rea lize that Grega Drilling narn 7-up deliver Sid すっじ regg Drilling SUPPO decr. and dannaar. -updriver and etchanged Drilling $\Omega 0$ Joch deci mentad incia <u>Begin tra</u> control pick up. 1250 Grega Dallina ef f Site and State wide off 1335 MH site.

		JOB NUMBER:	211502037.230.0600
	7-Eleven Store #32266	START DATE:	9/4/2012
JOB NAME: SITE ADDRESS:	1339 North Vasco Road	DATE PREPARED:	8/30/2012
SHE ADDRESS.	Livermore, California	PREPARED BY:	Amanda Magee
PREPARED FOR:	Alejandra Hernandez		
PREPAREDIO		VISITATION REPOR	T
	O SITE	9/12/12 Did you	call in? (Yes) No
Name(s)	n Kyon Date	Who did you call?	F
Arrival Time: 7-:	HO "Departure Time	RAIN SNOW	Temperature:
Weather Notations	SUN CLOUDY		
		DRUM INVENTORY	
CTANTE	C'S ENVIRONMENTAL:	7-ELEVEN'S FACILITY:	TOTALS: Total Open Top
	ater	Locked/Labeled HAZ	Total Bung Top
	Soil	Other:	
Concrete/De	bris	Other:	Please take a picture of anything not clearly labeled
Other:	npty		
F=1		ALETY ASSESSME	INT
	HEAL	TH AND SAFETY ASSESSME	
WE	<u>^</u>		
Foot Car	Traffic		
Road 14:	three		
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
	wel onsite reviewel	ON OF ACTIVITIES ONSITE	to Amanda Magee
ALLA Des	ind orkite reviewed	HASP called in	J
<u>T:40-FTH</u>	ined orbitry is alread	ly onsite.	
- 900	g Vailing	te	
8:15-Sta	tende acrives one		
- Ho	12 Has meeting	<u></u>	
a'20- Ha	U His meeting W/c	Siresq Drilling	1.10
<u>11-06-0</u>	Fil control setie, be	2 W JACK	chale
9'15- Tr		W-5 to 7'bas	
9:40-Bee	IN VIUNIAL LAND		Ł
in as On	chuckien tound		, dan sand
- RVI	Dioling Unmark	ed surrennated in	the mill be
- 10	the stranger	Damen Brann F	har we will to drill to
- <u>(a</u>	Led in tintorned	Hast we will	net bave time to c
A.A.	When loar or y are	N I	
11:16- he	in hand clearing	Second Tocktor	ulple locations
111 20	1 John Han Jo	cated no more a	hat we will be not have time to drill the wildble locations
<u>>e</u>	in hand clearing	Car + Damer Brow	on 6 lu curre up
11:30-C	and detruction - 10 hold in to Amenda Ma	the make be	ark to office to come up
1.	redict to abandon 1	trations + ing	
¥	with onether drilling	location	
	the hale sold	with concrete	
12:40-13	oth Burchales capped ake lunch break	while concrete	Sel
<u>- T</u>	ake lunch break	WILL CONTRACTOR	
}			

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0600
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/4/2012
	Livermore, California	DATE PREPARED:	8/30/2012
PREPARED FOR:	Alejandra Hernandez	PREPARED BY:	Amanda Magee
Field Work Conducte		Date: 9/12/1	
1:10-Ketur	n from lunch begin	breakdaun	of exclusion zone
2:00- Lawa.	site for Seconento		
	<u> </u>		
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		<u></u>	
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			······································

SITE ADDRESS: <u>1</u> PREPARED FOR: <u>C</u> Name(s) <u>Colin</u> Arrival Time: <u>7 440</u> Weather Notations: S	Van Da "Departure Tim	RAIN		211502037.230.0 9/14/2012 9/13/2012 Amanda Magee Ves No Amanda M Temperature	
PREPARED FOR: <u>C</u> Name(s) <u>Colin</u> Arrival Time <u>: 7 40</u> Weather Notations: S	ivermore, California colin Ryan Sl Ryan Da "Departure Tim	te: <u>9/14/12</u> ne: RAIN	DATE PREPARED: PREPARED BY: REPORT Did you call in? Who did you call?	9/13/2012 Amanda Magee Kee No Amanda M	Nager
PREPARED FOR: <u>C</u> Name(s) <u>Colin</u> Arrival Time <u>: ۲۰۰۲</u> Weather Notations: (S	Colin Ryan Sl Kyan Da "Departure Tim	te: <u>9/14/12</u> ne: RAIN	PREPARED BY: REPORT Did you call in? Who did you call?	Amanda Magee Res No Amanda M	lager
Name(s) <u>Colin</u> Arrival Time <u>: ۲۰۷۵</u> Weather Notations: S	Si Ryan Da "Departure Tim	te: <u>9/14/12</u> ne: RAIN	Did you call in? Who did you call?	(les No Amanda M	logee
Arrival Time <u>: 740</u> Weather Notations: (S	Van Da "Departure Tim	te: <u>9/14/12</u> ne: RAIN	Did you call in? Who did you call?	Amanda A	liger
Arrival Time <u>: 7:40</u> Weather Notations: (S	Van Da "Departure Tim	te: <u>9/14/12</u> ne: RAIN	Did you call in? Who did you call?	Amanda A	luger
Arrival Time <u>: 7 '4 o</u> Weather Notations: (S	/ "Departure Tim	ne: RAIN	Who did you call?		luger
STANTEC'S EN		RAIN	SNOW		
Mirena Miria -	VIRONMENTAL:	DRUM INVENT	ORY		
Purge Water Soil	<u> </u>	<u>7-ELEVEN'S FACI</u> Locked/Labeled HAZ		<u>TOTALS:</u> Total Open Top	9
Concrete/Debris		Other:		Total Bung Top	1
Other:	**************************************	Other:		• • • • • • • • • • • • • • • • • • •	
Empty	<u></u>		Please	e take a picture of any	thing not clearly lab
Po=	HEA	LTH AND SAFETY A	SSESSMENT		
PPE					
Fout/Con Traffi	۲ ۲				
- Gregg Dri - Held H+S :20-Taffir cent - Meb into		60 MW-4 1	(Apprex 10) g 10 casing U	'A wate	in well)
2:00-Taffic 1	entral remarked 1	Pare Sito for	Secondata		
					<u></u>
······					*****
					<u></u>
					<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0600
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/14/2012
	Livermore, California	DATE PREPARED:	9/13/2012
PREPARED FOR:	Colin Ryan	PREPARED BY:	Amanda Magee

GROUNDWATER GAUGING FORM

	WELL						DTB	DTW	DTP/PT	D.O.	COMMENTS
1.D.	DTB	DIAM.	ELEV. TOC				(mg/L)	Please note if well needs locking cap or street box repair			
				19.45	9.10	start					
MW-4		2"		C1.11	9:40 0	start at theils	e				

<u></u>				MONITO	DRING WEI	L DEVELO	PMENT LO	G	Page of	
	 ^!!		·			· · · · · · · · · · · · · · · · · · ·		S	ample ID	
	All measuremen	is taken from:		Casing LIF	rotective Cas	ing 📋 Grour	nd Level	C	Ity. of Drilling Fluid Lost	
Well Numb	er	4		Borehole Dia	meter				Animum Gal. to be Purged $\underline{-48}$	
Date	<u> 9-14</u>	en 1 Zuni		Screen Lengt	th	151			Development Method	
	. <u>9.20</u> 1		그는 그는 것 같은 것 같은 것 같아.	Measured De	epth (pre-deve	elopment)	<u>945</u>		125 2UMQ	
	TANTEC			Measured De	epth (post-dev	elopment)	19.45	P	Purging Equipment <u>2155 Re</u>	L. So C.
Project		VEN TI		Static Water		4.10			Vater Level Equipment <u>Society y</u>	<u>7</u>
	er)			H/EC Meter <u>13 0 6 1 6 4 1</u>	
	Date					<u> </u>			urbidity Meter	
weil Diame	eter			One Annulus	Vol. (gal.)			C)ther	
				Field P	arameters Me	easured				
	Amount	the sector stands and sector as	 A strategic strategic strategic 		 Defective resources and the second sec	1	1.4.1			1
Time	Purged (gal.)	рН	EC	Turbidity	D.O.	D.O. Temp.	SAL.	GPM W.L.	Comments	Field Tech.
	(gal.)	рН			D.O .		SAL.			
1.15	(gal.)	<u>/ç.</u>		- <u>61,26</u>			SAL.		HARD BOTTORS	
<u>15</u> 0 00	(gal.)	<u>1.126</u> D <u>SM</u>	<u>Z 601</u>	- <u>61,26</u>			SAL.			
<u>1.25</u> 0:00	(gal.)	<u>1.126</u> D <u>SM</u>	<u>/ Sur</u> 2617/6	- <u>61,26</u>			SAL.		HARD BOTTORD SURGEN WER FOR DO	
<u>1.25</u> 0:00	(gal.) <u> </u>	<u>176</u> 176	<u>/ Sur</u> 261,26	<u>-61,26</u> 	<u>7" WE</u>		SAL.		HARD BOTTORS	
<u>1.25</u> <u>0:50</u> 0:01 0:10	(gal.) <u> </u>	<u>176</u> 176	<u>/ Sur</u> 2912/6 26-	<u>-61,26</u> 	<u>7" WE</u>	с 6.025- С.024	SAL.		HARD BOTTON SURGEN WERE FOR TO 140 TIDE 191 40	Tech.
<u>1 25</u> <u>0 22</u> 0:01 0:10	(gal.) <u> </u>	<u>176</u> 176	Z <u>SUR</u> SGING NG- MDING 1.92	<u>- 61,226</u> 	<u>7" WE</u>	6.015- 6.015- 6.015	SAL.	W.L.	HARD BOTTORD SURGEN WER FOR DO	Tech.
<u>1 25</u> 0:00 0:01 <u>0:01</u> <u>0:01</u> <u>0:01</u> <u>0:14</u> <u>0:14</u>	(gal.) <u> </u>	<u>2126</u> 2 <u>51</u> <u>1251</u> <u>1251</u> <u>1251</u> <u>1251</u> <u>1251</u> <u>1251</u> <u>1251</u>	<u>/ Sur</u> 2912/6 26-	<u>- 61,26</u> 	<u>7" WE</u>	с 6.025- С.024		W.L. W.L. U.S. G S.S. G	HARD BOTTOM SURGAN WAL FOR TO 40 TD= 191 40 50 50 50 10 10 9.55105010 10 10 10 10 10 10 10	Tech.
<u>1 25</u> 0:00 0:01 0:10 0:14 0:14 0:22 0:22	(gal.) <u>BAI</u> <u>TO</u> <u>TO</u> <u>TO</u> <u>TO</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u>	LIZG 2 SM -IZG -IZG -IZG - - - - - - - - - - - - - - - - - - -	7 <u>568</u> 2 <u>61</u> MG- MG- MG- 1 <u>42</u> 1 <u>85</u> 1 <u>85</u>	- 61,26 	<u>7" WE</u>	с 615- 6дл 20.5 20.4	SAL.	W.L.	HARD BOTTOM SURGEN WER FOR TO 40 TD= 191 40 50 50 50 50 50 50 50 5	
<u>1 25</u> 0:00 0:01 <u>0:01</u> <u>0:01</u> <u>0:01</u> <u>0:01</u> <u>0:02</u>	(gal.) TSA1 TO TO TO TO TO TO TO TO TO TO	LIZG 2 SM -IZG -IZG -IZG - - - - - - - - - - - - - - - - - - -	7 <u>568</u> 2 <u>61</u> 26 26 26 26 26 26 26 26 26 26 26 26 26 2	<u>- (1,2)6</u> 	<u>7" WE</u>	015- 6015- 805 205 204		W.L. W.L. V.J G V.J G V.J.	HARD BOTTOM SUBGEN WER FOR TO 40 TD= 191 40 TD= 191 40 50 TD= 191 40 50 TD= 9.55 M DTU= 9.55 M DTU= 9.55 M DTU= 9.55 M DTU= 9.55	
<u>1 25</u> 0:00 0:01 0:10 0:14 0:14 0:22 0:22	(gal.) TO TO TO CAN COP CAN CAN CAN CAN CAN CAN CAN CAN	LIZC 2 <u>SM</u> -1NG TZ-1101 5 Q 5 Q 7.41 -7.41 -7.01	7 <u>568</u> 2 <u>61</u> MG- MG- MG- 1 <u>42</u> 1 <u>85</u> 1 <u>85</u>	<u>- 61,26</u> 	2" WE 3 CA) 2 - -	с <u>015</u> - 5.0 20.5 20.4 20.4 20.4		W.L. W.L. W.L. G. S. G. S. G. S.	HARD BOTTOM SURGEN WER FOR TO 40 TD= 191 40 50 50 50 50 50 50 50 5	



MONITORING WELL DEVELOPMENT LOG

Page _____ of _____

All measurements taken from:	Top of Casing	Sample ID
		Qty. of Drilling Fluid Lost
		Minimum Gal, to be Purged <u></u>
Date 9-1-1-2	Screen Length/ 5	Development Method <u></u> ⊆
Time Start: <u>1 20</u> End: <u>11</u>	20 Measured Depth (pre-development) <u>1945</u>	- avo pune
Client	/ Measured Depth (post-development) [
Project <u>Elevent</u> Elevent	<u>C</u> C Static Water Level (ft.) <u>S</u> ()	Water Level Equipment I 100 J
Job Number	Standing Water Column (ft.)	
Installation Date	One Well Volume (gal.)	Turbidity Meter
Well Diameter2	One Annulus Vol. (gal.)	Other

				Field Pa	arameters Me	easured				
Time Amount (gal.)	pН	EC	Turbidity	D.O.	D.O. Temp.	SAL.	GPM W.L.	Comments	Field Tech.	
0112	2/14	6.81	1.81	182		[0.]	Real Property in the second	1. C. C. I.	1 15-12- 955	
17.46	2/16	6.20	181	5.62		66			M/ NTW- 955	
(0.50	7. / 18,	6.74	181	455		2015			m/ DTUS $a = T$	
19 25		216	ALLON	C RE	HOVE			/		
				FINAL	FIELD PARA	METER MEAS	UREMENT	S	•	L

JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0700
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/20/2012
	Livermore, California	DATE PREPARED:	9/21/2012
PREPARED FOR:	Alejandra Hernandez	PREPARED BY:	Amanda Magee
	SITE VISITATIO dra Hernandez Date: 9-21-12 B15 "Departure Time: 1345 SUN CLOUDY RAIN	N REPORI Did you call in? Who did you call? SNOW	(Yes) No Amanda Temperature <u>~865</u> F
	DRUM INVEN	TORY	
	SENVIRONMENTAL:		
Purge Wate So		8	TOTALS: Total Open Top
Concrete/Debri			Total Bung Top
Other:	Other:		an data wasan data wada ta wada da anka inta inda
Empt	y	<u>Plea</u>	se take a picture of anything not clearly labeled
	HEALTH AND SAFETY	ASSESSMENT	
HBP, JMP	, Traffic control, peditricum	e weather	, active station.
Attended		· ·	7
Brack Majer	uski statewide B-MAL	~	
Conduct	ed by:		
Alour	In Home des		
<u></u>			
0810 AH arc	DESCRIPTION OF ACTIVITIES	ONSITE AND NOTES	pwski, Two
Stantec :		cating. All and	•
OBTO AH GAR	h tail ante Meeting. Traffic con		tup. All sets up an
Mus -1 and	1 MW-2 to bear advaing a		-1 · · · · · · · · · · · · · · · · · · ·
0930 Enrish	savaines MW-1 and MU - D. N	-	-4. Tentfic control
	I and Stanter Staff begin		• · •
0435 Stan	te staff finish firs activity	es and molo	off site. HH hope
gauging (4 N N	Mw-4.	
			UMW-3. Traffic
Control beat	as de-constructing Traffic contro		
1130 Set up	exclusion zone at MW-3 and	begin awaing aw	& Sampling activities.
150 State,	wide finishes with traffic cont	of State with	le mobilize off site.
1250 Finis	- gauging and sampling activities	Pural anou	
drums.	- Jugity may marging		
	1 activities All main - CP s		
12 TU PTALS	in activities. At mob off s	2117	

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JOB NAME:	7-Eleven Store #32266	JOB NUMBER:	211502037.230.0700
SITE ADDRESS:	1339 North Vasco Road	START DATE:	9/20/2012
	Livermore, California	DATE PREPARED:	9/21/2012
PREPARED FOR:	Alejandra Hernandez	PREPARED BY:	Amanda Magee

GROUNDWATER GAUGING FORM

MEASURE	MEASURED TO TOC											
WELL	CONST.	WELL	WELL	DTB	DTW	DTP/PT	D.O.		COMMENTS			
I.D.	DTB	DIAM.	ELEV. TOC				(mg/L)	Time	Please note if well needs locking cap or street box repair			
MW-1	20	2"		19.00	8.40			0B:50				
MW-2	20	2"		19.21	8.83	·· ,	· (09:10				
MW-4	20	2"		19.33	9.01		-	04:36	Nreeds wett lock.			
MW-3	20	2"		20.08	9,55			11:36				

Stantec Consulting Corp.										
W	ATER SAMPLE FIELI	DATA SHEET	****							
PROJECT #: 7-Eleven Store #32266 CLIENT NAME: 7-Eleven, Inc. LOCATION: 1339 North Vasco Road, Livern	SAMPLED BY: Alejandra	Hernandez Hernandez	WELL I.D.: <u>MW- 4</u> SAMPLE I.D.: <u>MW- 4</u> QA SAMPLES: None							
DATE PURGED $9 - 2 - 12$ DATE SAMPLED $9 - 2 - 12$ SAMPLE TYPE: Groundwater X	START (2400hr) SAMPLE TIME (2400hr) Surface Water	76 1100 Treatment Effluer	END (2400hr) nt Other	054						
CASING DIAMETER: 2" X Casing Volume: (gallons per foot) (0.17)	3" 4"	5" 6"	<u>(1.50)</u> 8" (2.60)	Other						
DEPTH TO BOTTOM (feet) = $19.3=$ DEPTH TO WATER (feet) = 9.01 WATER COLUMN HEIGHT (feet) = $10.3=$		CASING VOLUM CALCULATED I ACTUAL PURGI	PURGE (gal) = $5,5$	<u>26</u> 5						
m · · · · · · · · · · · · · · · · · · ·	FIELD MEASUREM	ENTS								
DATE TIME VOLUME (gal)	TEMP. CONDUC (degrees C) (umbo			TURBIDITY (NTU)						
SAMPLE DEPTH TO WATER: 9,02	SAMPLE INFORMA		LE TURBIDITY:							
	ANALYCES. DE	EV TDU- 5 0								
		EX, TPHg, 5 Oxygena ICL								
Centrifugal Pump Bailer (PV	(C)	Hadder Pump Centrifugal Pump ubmersible Pump eristalic Pump	ING EQUIPMENT Bailer (Teflon) X Bailer (PV Bailer (Stainless St	(C or X disposable) eel)						
WELL INTEGRITY: <u>Excellent</u> REMARKS: Lock needed for mu	·········	LOC	K#: <u>NoNE</u>							
SIGNATURE:				Page of						

Stantec Consulting Corp.										
WATE	R SAMPLE FIELD DATA SHEET									
	RGED BY: <u>Alejandra Hernandez</u> MPLED BY: <u>Alejandra Hernandez</u> Califor	WELL I.D.: <u>MW-3</u> SAMPLE I.D.: <u>MW-3</u> QA SAMPLES: <u>None</u>								
	ART (2400hr) MPLE TIME (2400hr) Surface Water Treatment Efflue	END (2400hr) <u>/237</u> ent Other								
CASING DIAMETER: $2" \frac{X}{(0.17)} 3"$	$\frac{4"}{(0.38)} \qquad \frac{4"}{(0.67)} \qquad \frac{5"}{(1.02)} \qquad 6$	" $\frac{8"}{(1.50)}$ $\frac{8"}{(2.60)}$ Other $\frac{1}{(1.50)}$								
DEPTH TO BOTTOM (feet) = 20.03 DEPTH TO WATER (feet) = 9.55 WATER COLUMN HEIGHT (feet) = 10.53	CASING VOLU CALCULATED ACTUAL PURC	PURGE (gal) = 5.37								
	FIELD MEASUREMENTS FEMP. CONDUCTIVITY pl legrees C) (umhos/cm) (un	H COLOR TURBIDITY nits) (visual) (NTU)								
SAMPLE DEPTH TO WATER: 9,55	SAMPLE INFORMATION SAMP	PLE TURBIDITY:								
80% RECHARGE: 🔨 YES NO	ANALYSES: BTEX, TPHg, 5 Oxygen	ates (EPA 8260B)								
ODOR: <u>NUNE</u> SAMPLE VESSEL / PURGING EQUIPMENT		LING EQUIPMENT								
Bladder Pump Centrifugal Pump Submersible Pump Peristalic Pump Other: Pump Depth:	DisposableBladder Pump Centrifugal Pump	Bailer (Teflon) X Bailer (PVC or X disposable) Bailer (Stainless Steel) Dedicated								
WELL INTEGRITY: <u>Exallent</u> REMARKS:		CK#:								
SIGNATURE:		Page of								

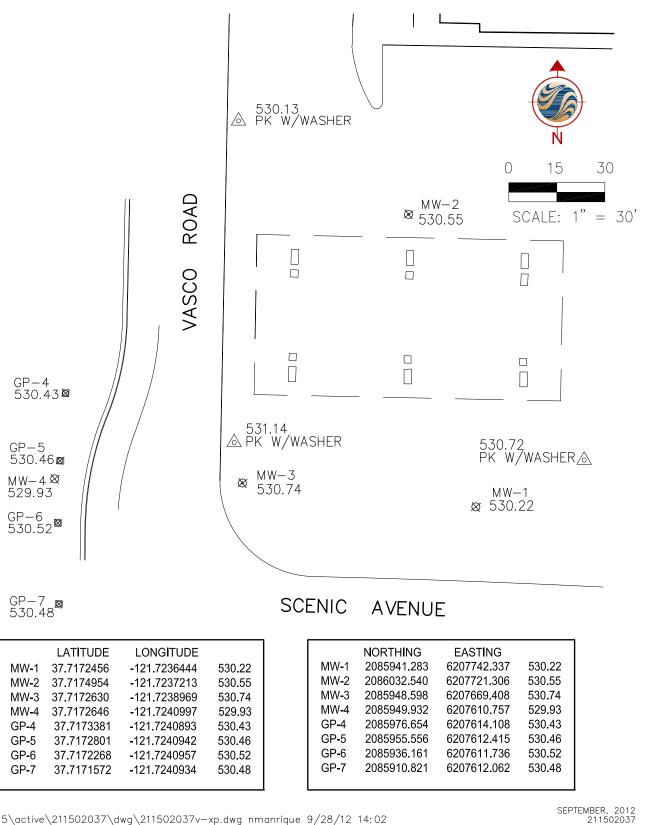
Stantec

Attachment D Soil Boring Log

	1339	9 Va	Store # 32266 sco Rd., Livermore, CA	WEL	L/PROBEHC	LE/BO	REHOI		W-4		Stant
DRILLING / IN STARTED: 9 DRILLING CC DRILLING EC DRILLING ME	NST/ D/6/1 DMP QUIP ETHO	ALLA ANY: MEN OD: /	COMPLETED: 9/7/12 Gregg Drilling IT: Hollow Stem	NORTHING (ft): EASTING (ft): LAT: LONG: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): Not Encountered WELL DEPTH (the state of the s					PTH (ft): 25.0 A. (in): 8		
Time & Depth (feet) Graphic	Gaphic Log Cog Cog Cog Cog Cog Cog Cog Cog Cog C				Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	C	Well Construction
_			Asphalt to 16"								8" Well Bo
-	\bigotimes		Base Rock to 2.8'							ÿ 🕅	Grout
-		CL	LEAN CLAY ; CL; 2.5Y 3/1 very dark gray; high plasticity; hard; moist; no HC odor; Trace of coarse gravel, (0,5,95)		Bag Sample			0.1			Bentonite
5		CL	LEAN CLAY WITH SAND ; CL; 10YR 4/3 brown; medium plasticity; very soft; moist; no HC odor; (0,15,85)		11:20 MW-4-5			0.0	5-		
-		CL	LEAN CLAY WITH SAND ; CL; 10YR 4/3 brown; medium plasticity; very soft; moist; no HC odor; (0,15,85)								
10-		CL	LEAN CLAY ; CL; 10YR 4/4 dark yellowish brown; low plasticity; firm; moist; no HC odor; some caliche, (0,5,95)		09:50 MW-4-10			0.0	10-		#3 Sand
-		CL	LEAN CLAY ; CL; 10YR 4/4 dark yellowish brown; low plasticity; firm; moist; no HC odor; some caliche, (0,5,95)			18					0.020" Slotted Screen
15 - -		CL	LEAN CLAY ; CL; 10YR 4/4 dark yellowish brown; low plasticity; firm; moist; no HC odor; some caliche, (0,5,95)		09:55 MW-4-15			0.1	15-		
20-		CL	LEAN CLAY ; CL; 10YR 4/4 dark yellowish brown; high plasticity; hard; moist; no HC odor; with light brown mottling, (0,5,95)		10:00 MW-4-20			0.2	20-		
		CL	LEAN CLAY ; CL; 10YR 4/4 dark yellowish brown; high plasticity; hard; moist; no HC odor; with light brown mottling, (0,5,95) No recovery 23-25' bgs. Overdrilled to 20' bgs. with auger and direct push sampling to 25' bgs.		Bag Sample			0.7			
25			Borehole terminated at 25 feet.						25-		

Stantec

Attachment E Survey Map



V:\2115\active\211502037\dwg\211502037v-xp.dwg nmanrique 9/28/12 14:02

∢ ORIGINAL SHEET - ANSI

Stantec

Stantec Consulting Inc. 1016 - 12th Street Modesto CA 95354 209.521.8986 Tel. 209.521.9045 Fax. www.stantec.com

Client/Project 7-ELEVEN

STORE NO. 32266

Figure No.

Title

MONITORING WELL SURVEY

Stantec

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



Report Number : 82534 Date : 09/11/2012

Laboratory Results

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

Subject : 3 Soil Samples Project Name : 7-Eleven Store #32266 Project Number : 211502037.230.0400

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 D. Jurpen

Troy Turpen



Subject :3 Soil SamplesProject Name :7-Eleven Store #32266Project Number :211502037.230.0400

Report Number : 82534 Date : 09/11/2012

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.



Project Number: 211502037.230.0400

Report Number : 82534 Date : 09/11/2012

Sample : MW-4@10'	Ma	atrix : Soil	La	Lab Number : 82534-01				
Sample Date :09/07/2012 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed			
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 12:52			
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 12:52			
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 12:52			
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 12:52			
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 12:52			
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/11/12 12:52			
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	09/11/12 12:52			
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	09/11/12 12:52			

Sample : MW-4@15'

Matrix : Soil

Lab Number : 82534-02

Sample Date :09/07/2012

	Method				
Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed	
< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 13:30	
< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 13:30	
< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 13:30	
< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 13:30	
0.010	0.0050	mg/Kg	EPA 8260B	09/11/12 13:30	
< 1.0	1.0	mg/Kg	EPA 8260B	09/11/12 13:30	
104 99.8		% Recovery % Recovery	EPA 8260B EPA 8260B	09/11/12 13:30 09/11/12 13:30	
	Value < 0.0050 < 0.0050 < 0.0050 < 0.0050 0.010 < 1.0 104	Value Limit - < 0.0050	Measured Value Reporting Limit Units < 0.0050	Measured Value Reporting Limit Units Analysis Method < 0.0050	



Report Number : 82534 Date : 09/11/2012

Sample : MW-4@19.5'	Ma	atrix : Soil	La	Lab Number : 82534-03				
Sample Date :09/07/2012 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed			
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 14:07			
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 14:07			
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 14:07			
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/12 14:07			
Methyl-t-butyl ether (MTBE)	0.016	0.0050	mg/Kg	EPA 8260B	09/11/12 14:07			
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/11/12 14:07			
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	102 99.5		% Recovery % Recovery		09/11/12 14:07 09/11/12 14:07			

QC Report : Method Blank Data

Project Name : 7-Eleven Store #32266

Project Number: 211502037.230.0400

Development	Measured	Method Reportin	0	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/2012
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/2012
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/2012
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/2012
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/11/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/11/2012
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	09/11/2012
Toluene - d8 (Surr)	99.2		%	EPA 8260B	09/11/2012

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

Report Number : 82534 Date : 09/11/2012

Project Name : 7-Eleven Store #32266

Project Number : 211502037.230.0400

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spike Sample Value	e d Units	Analysis Method	Date Analyzed	Percent	Duplicate Spiked Sample Percent Recov.	Relative	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	82543-02	<0.0050	0.0391	0.0392	0.0377	0.0373	mg/Kg	EPA 8260B	9/11/12	96.4	95.1	1.39	67.9-120	25
Ethylbenzene														
	82543-02	<0.0050	0.0391	0.0392	0.0403	0.0406	mg/Kg	EPA 8260B	9/11/12	103	103	0.217	65.5-127	25
Methyl-t-butyl e	ther													
	82543-02	<0.0050	0.0391	0.0392	0.0386	0.0353	mg/Kg	EPA 8260B	9/11/12	98.7	90.1	9.18	57.0-122	25
P + M Xylene														
	82543-02	<0.0050	0.0391	0.0392	0.0404	0.0407	mg/Kg	EPA 8260B	9/11/12	103	104	0.295	62.5-124	25
Toluene														
	82543-02	<0.0050	0.0391	0.0392	0.0373	0.0376	mg/Kg	EPA 8260B	9/11/12	95.6	95.9	0.373	65.7-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Project Name : 7-Eleven Store #32266

Project Number : 211502037.230.0400

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0397	mg/Kg	EPA 8260B	9/11/12	96.3	67.9-120
Ethylbenzene	0.0397	mg/Kg	EPA 8260B	9/11/12	102	65.5-127
Methyl-t-butyl ether	0.0397	mg/Kg	EPA 8260B	9/11/12	92.8	57.0-122
P + M Xylene	0.0397	mg/Kg	EPA 8260B	9/11/12	102	62.5-124
Toluene	0.0397	mg/Kg	EPA 8260B	9/11/12	95.8	65.7-120

	amento ore Road, Cordova, C)							-	Job	Addi Nam ation:	e:		Eleve 39 N	en Sto	re #3226 ′asco Ro		rd
Project # 21150203 Project Manager Dame aboratory Kiff Analy Furnaround Time S Sampler's Name Aleja	on Brown /tical tandard	_Task #	0400		3 T E X 260 B	TPHd (Diesel Only) 8015 (modified)	TPH 418.1/WTPH 418.1	Volatiles	Volatile rganics 624/8240 (g=GC/MS)	ted Volatiles	atile Organics (GC/MS)	ates 260B		MtBE by EPA 8260B		eques	t		
Sampler's Signature	Date	Time	Matrix	HCID	TPHg & BTEX bv EPA 8260B	TPHd (Diesel O 8015 (modified)	TPH 418	Aromatic 602/8020	Volatile rç 624/8240	Halogens 601/8010	Semi-vol 625/8270	5 Oxygenates by EPA 8260B	1,2 DCA - 8260B	MtBE by	Hold			Comments/ Instructions	
MW-40101	9/1/12	0950	S oil		X									X					
MW-4@15' MW-4@2019.5' MW-4@5'	9/1/12 9/1/12 9/6/12	09755 1000 1120	Soit Soit Soit		X K									X X	Х		PM	will email	
pecial Instructions/Comn lobal ID #T1000000106				Re		uishe	d by:		AH			Rec Sig		ed by				Sample Recei	
mail EDD and lab repor ebbie.lichtenberger@st amon.brown@stantec.o	antec.con	٦,		Co	int ompa ne	iny	Sta	ntec	erna eq			Prir	nt mpar		_	Date_		Chain of custody Rec'd in good conditior Conforms to re	n/cold:

Page

SRG#:	Sample Receil 82534		JST Date: 090717	2
Project ID:	7-Eleven St	ore#3	2266	
Method of Recei	pt: Courier Over- FedEx * OnTrac * Greyhound] Shipper f not Priority or Sunrise (M-F)	:
COC Inspection Is COC present? Custody seals on shipping Is COC Signed by Relinqu Is sampler name legibly in Is analysis or hold requested Is the turnaround time indi Is COC free of whiteout ar	isher? Yes No dicated on COC? ed for all samples? cated on COC?	Dated?	act Broken [s No s No s No s No s No s No	□ Not present ☑N/A
Are there custody seals on Do containers match COC Are there samples matrices Are any sample containers Are preservatives indicated Are preservatives correct f Are samples within holdin Are the correct sample con Is there sufficient sample t Does any sample contain p Receipt Details Matrix <u>50</u> Matrix Matrix	 ? Yes No No, C s other than soil, water, air or carl broken, leaking or damaged? d? Yes, on sample cont or analyses requested? g time for analyses requested? itainers used for the analyses requ 	☐ Inta COC lists absent sar bon? ☐ Ye: ainers ☐ Ye: ☐	nple(s) No, Extra No No No No No No No No No No to be hot? C received received	Yes
Is the Project ID indicated: If project ID is listed on bo Are the sample collection of If collection dates are listed Are the sample collection to	n both COC and containers, do th On COC oth COC and containers, do they a dates indicated: On COC d on both COC and containers, do	On sample co all match? On sample co o they all match? On sample co	No Antainer(s) M On Both K Yes □ No Intainer(s) M On Both K Yes □ No	N/A Not indicated N/A Not indicated N/A Not indicated N/A N/A
COMMENTS:				
<u>.</u>				
		······		



Report Number : 82535 Date : 09/14/2012

Laboratory Results

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

Subject : 1 Soil Sample Project Name : 7-Eleven Store #32266 Project Number : 211502037.220.0400

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 D. Jurpen

Troy Turpen



Report Number : 82535 Date : 09/14/2012

Subject :1 Soil SampleProject Name :7-Eleven Store #32266Project Number :211502037.220.0400

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.

Matrix Spike/Matrix Spike Duplicate results associated with sample SP1(ABCD) for the analyte Ethylbenzene were affected by the analyte concentrations already present in the un-spiked sample.



Project Number : 211502037.220.0400

Report Number : 82535 Date : 09/14/2012

Sample : SP1(ABCD)	Ma	atrix : Soil	Lab	Number : 82535-0	1
Sample Date :09/07/2012 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Lead	6.1	0.50	mg/Kg	EPA 6010B	09/13/12 12:05
Benzene Toluene Ethylbenzene Total Xylenes	< 0.0050 < 0.0050 < 0.0050 < 0.0050	0.0050 0.0050 0.0050 0.0050	mg/Kg mg/Kg mg/Kg mg/Kg	EPA 8260B EPA 8260B EPA 8260B EPA 8260B	09/13/12 16:37 09/13/12 16:37 09/13/12 16:37 09/13/12 16:37
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/13/12 16:37
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/13/12 16:37
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	112 101		% Recovery % Recovery	EPA 8260B EPA 8260B	09/13/12 16:37 09/13/12 16:37

QC Report : Method Blank Data

Project Name : 7-Eleven Store #32266

Project Number: 211502037.220.0400

Parameter	Measured Value	Method Reportin Limit	ig Units	Analysis Method	Date Analyzed
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	09/12/2012
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/13/2012
Ethylbenzene Toluene	< 0.0050 < 0.0050	0.0050 0.0050	mg/Kg mg/Kg	EPA 8260B EPA 8260B	09/13/2012 09/13/2012
Total Xylenes Methyl-t-butyl ether (MTBE)	< 0.0050 < 0.0050	0.0050 0.0050	mg/Kg mg/Kg	EPA 8260B EPA 8260B	09/13/2012 09/13/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/13/2012
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	106 99.4		% %	EPA 8260B EPA 8260B	09/13/2012 09/13/2012

Report	Number :	82535
Date :	09/14/20	12

		Method	l		
	Measured	Reporti	ng	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Project Name : 7-Eleven Store #32266

Project Number : 211502037.220.0400

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spike Sample Value	e ed Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicat Spiked Sample Percent Recov.	Relative	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Lead														
	82488-01	4.1	50.0	50.0	46.5	46.8	mg/Kg	EPA 6010B	9/12/12	84.8	85.5	0.697	75-125	20
Benzene														
	82537-03	<0.0050	0.0388	0.0394	0.0363	0.0342	mg/Kg	EPA 8260B	9/13/12	93.5	87.0	7.22	67.9-120	25
Ethylbenzene														
	82537-03	0.028	0.0388	0.0394	0.0481	0.0452	mg/Kg	EPA 8260B	9/13/12	52.0	43.9	16.8	65.5-127	25
Methyl-t-butyl e	ther													
	82537-03	<0.0050	0.0388	0.0394	0.0368	0.0374	mg/Kg	EPA 8260B	9/13/12	94.8	94.9	0.190	57.0-122	25
P + M Xylene						0.00.00								
Toluene	82537-03	<0.0050	0.0388	0.0394	0.0383	0.0340	mg/Kg	EPA 8260B	9/13/12	98.6	86.5	13.1	62.5-124	25
TOILEILE	82537-03	<0.0050	0.0388	0.0394	0.0370	0.0339	mg/Kg	EPA 8260B	9/13/12	95.1	86.2	9.92	65.7-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

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

Project Number : 211502037.220.0400

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Lead	50.0	mg/Kg	EPA 6010B	9/12/12	94.2	85-115
Benzene	0.0386	mg/Kg	EPA 8260B	9/13/12	88.8	67.9-120
Ethylbenzene	0.0386	mg/Kg	EPA 8260B	9/13/12	94.7	65.5-127
Methyl-t-butyl ether	0.0386	mg/Kg	EPA 8260B	9/13/12	0.08	57.0-122
P + M Xylene	0.0386	mg/Kg	EPA 8260B	9/13/12	95.6	62.5-124
Toluene	0.0386	mg/Kg	EPA 8260B	9/13/12	89.9	65.7-120

												CI	hain	of Cu	ustod	y Nui	mber:	32535	
			St	an	te	2 (Cha	ain	-of	Cu	sto	dy	Re	cor	d	•			
Address: 3017 K	cramento ilgore Road, S o Cordova, Ca)							-	Job	Add Nam ation	ıe:	7-E 133	lever 89 No	n Stor	e #32266 asco Road	and are part of this Record.	
· · · · · · · · · · · · · · · · · · ·	037.220	Task #	0400										A	Analys	sis Re	quest			
Laboratory Kiff An Turnaround Time	Standard				TPHg/BTEX/MtBE - EPA 8260B	el Only) ied)	MTPH 418.1	latiles	iics =GC/MS)	d Volatiles	Semi-volatile Organics 625/8270 (GC/MS)	- EPA 6010B							Number of Containers
Sampler's Name Ale Sampler's Signature				HCID	^{>Hg/BTE)} 60B	TPHd (Diesel Only) 8015 (modified)	TPH 418.1/WTPH	Aromatic Volatiles 602/8020	Volatile rganics 624/8240 (g=GC/MS)	Halogenated Volatiles 601/8010	smi-volatik 5/8270 (G	Total Lead - EPA						Comments/	umber of (
Sample ID SP1(ABCD)	Dațe 9/1//2	Time 1200	Matrix Soil	<u>μ</u>	X ₩	12 8	╞╧	<u>6 4</u>	28	<u>1<u>7</u>8</u>	8 S	_₁ 				_	Disess	Instructions	
SF I(ABCD)		1200			├^	┢──		 	+			^				+	Please	Composite 4 into 1	4
				1	+			+	\vdash	<u> </u>								n <u></u>	-
					1			1											
					1														-
Special Instructions/Cor					elinqu				PtH				ceive	d by:_				Sample Receipt	
Combine soil samples D into one composite		-	;, and SP1-		gn rint	_	iand		ornal	ndez		Sig Prir				\langle		Total no. of container Chain of custody sea	
Global ID #T10000001		ABCD		1	ompa			ntec					mpan	W				Rec'd in good condition/col	
email EDD and lab rep					me	<u> Índt</u>				2/12	-	Tim			D	ate		Conforms to recor	_
debbie.lichtenberger@ damon.brown@stante amanda.magee@stant	c.com,	3		Si	elinqu gn rint	ishe	d by:			\geq	_	Re Sig Prir	n	d by	im	hA	erts	Client: <u>Statnec</u> Client Contact: Damon Br	rown
				Co	ompa me	ny	\geq	Date	е				mpan	ıy _.	Kit	FA	90712		

Date:

Page

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SRG#: Q 2 S 3 S Date: Q 9 0 7 1 2 Project ID:					RECE
SRG#:		SAMDIE DECEI	ρτ <u><u><u></u></u> Γυγονι ιςτ</u>		UT
Project ID:					Initi
Method of Receipt: Courier Over-the-counter Shipper Shipping Only: PedEx + OnTrac + Greyhound Other *Service level if not Priority or Sunrise (M-F): COC Inspection Intact Broken No Is COC Signed by Relinquisher? Yes No Is analysis or hold requested for all samples? Yes No Is analysis or hold requested for all samples? Yes No Is the turnaround time indicated on COC? Yes No Is coC free of whiteout and uninitialed cross-outs? Yes No Sample Inspection Coclant Present Date/Time OP0712 / 1700 N, Coclant Present COC Yes No (includes water) Date/Time OP0712 / 1700 N, Are there custody seals on sample containers? Intial Date/Time OP0712 / 1700 N, Are there samples matrices other than soil, water, air or carbon? Yes No No Eventor No Eventor No Eventor No Eventor No No Eventor No No Eventor No No Eventor No No Event					
Shipping Only: FedEx * OnTrac * Greyhound Other *Service level if not Priority or Sunrise (M-F): COC Inspection Is COC present? No No Intact Broken Not present Scoc Signed by Relinquisher? Yes No Dated? Yes No Is analysis or hold requested for all samples? Status Yes No No Is the turnaround time indicated on COC? Yes No No No, Cross- Sample Inspection Coolain Present: Yes No No, No, Cross- Coolain Present: Yes No (includes water) Date/Time 90712/17/00 N, Are there custody seals on sample containers? Intact Broken Not present Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present Are there custody seals on sample containers? Intact Broken Not present Are there samples matrices other than soil, water, air or carbon? Yes No No Are there sample containers broken, leaking or damaged? Yes No No Are there sample containers suged for the analyses requested? Yes No N/A	•	•			<u> </u>
Is COC present? Yes No Custody seals on shipping container? Intact Broken No tresent Is sampler name legibly indicated on COC? Yes No Is analysis or hold requested for all samples? Yes No Is analysis or hold requested for all samples? Yes No Is analysis or hold requested for all samples? Yes No Is the turnaround time indicated on COC? Yes No Sample Inspection No (includes water) Date/Time Oq71 2 / 1700 N. Coolant Present: S- 2 Yes No (includes water) Temperature °C Yes No (includes water) Date/Time Oq71 2 / 1700 N. Are there custody seals on sample containers? No Intact Broken No, Extra sample(s) present Are there samples containers sorbace, leaking or damaged? Yes No No Are there sample containers well for the analyses requested? Yes No Are the sample to perform testing? Yes No Stere sample container type # of containers received Matrix On tot indicated: N/A Matrix Conta			— ··	•	
Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross- Sample Inspection Coolant Present: 2 Yes Initial Date/Time 090712/12/1700 No Coolant Present: 2 Yes Initial Date/Time 090712/12/1700 No Are there custody seals on sample containers? Initial Initact Broken PNot preser Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present Are there samples matrices other than soil, water, air or carbon? Yes No No Are thre sample containers broken, leaking or damaged? Yes No No Are preservatives correct for analyses requested? Yes No Are the correct sample containers used for the analyses requested? Yes No Are the correct sample to perform testing? Yes No No Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No Matrix Container type # of containers received Matrix Ontainer type No Matrix Container type # of containers	Is COC present? Custody seals on shipping Is COC Signed by Relinqu Is sampler name legibly ind Is analysis or hold requested	isher? XYes INO dicated on COC? d for all samples?	Dated? Yes Yes Yes Yes	☐ Broken	present DN/A
Sample Inspection Coolant Present: 2 Yes No (includes water) Temperature °C 2 Therm. ID# R 3 Initial Date/Time 090712/1700 No Are there custody seals on sample containers? Intact Broken Protect Not present Do containers match COC? M Yes No No, COC lists absent sample(s) No, Extra sample(s) present Are there samples containers broken, leaking or damaged? Yes No No Are any sample containers broken, leaking or damaged? Are preservatives indicated? Yes, on sample containers Yes No Are preservatives correct for analyses requested? Yes No Are the correct sample container sused for the analyses requested? Yes No Are the sample contain product, have strong odor or are otherwise suspected to be hot? Yes No Receipt Details Container type # of containers received # Matrix Container type # of containers received Matrix Octainer type # of containers received No N/A State the Sample ID's indicated: On COC On sample container(s) No </td <td></td> <td></td> <td>· 🖌 🖌</td> <td></td> <td>No, Cross-out</td>			· 🖌 🖌		No, Cross-out
Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated: If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A Is the Project ID indicated: Image: Containers, do they all match? Yes No Not indicated: If project ID is listed on both COC and containers, do they all match? Yes No Not indicated: If project ID is listed on both COC and containers, do they all match? Yes No Not indicated: If collection dates indicated: On COC On sample container(s) On Both Not indicated: If collection dates are listed on both COC and containers, do they all match? Yes No Not indicated: If collection dates are listed on both COC and containers, do they all match? Yes No N/A Are the sample collection times indicated: On COC On sample container(s) No Not indicated Are the sample collection times indicated: On COC On sample container(s) No Not indicated	Are there custody seals on Do containers match COC ⁴ Are there samples matrices Are any sample containers Are preservatives indicated Are preservatives correct for Are samples within holding Are the correct sample con is there sufficient sample to Does any sample contain p Receipt Details Matrix <u>S</u> Matrix Matrix	sample containers? Yes No No, C other than soil, water, air or car broken, leaking or damaged? Yes, on sample contor or analyses requested? g time for analyses requested? tainers used for the analyses req o perform testing? roduct, have strong odor or are of Container type SCCCC Container type Container type	☐ Intact COC lists absent sample(s) bon? ☐ Yes tainers ☐ Yes, on C ☐ Yes yes yes yes otherwise suspected to be # of containers receive # of containers receive # of containers receive # of containers receive	Broken No, Extra samp No COC Not indicated [No No No No hot? Hed Hed Hed	Not present Not present
	Are the Sample ID's indica if Sample ID's are listed on s the Project ID indicated: if project ID is listed on bo Are the sample collection of collection dates are listed Are the sample collection t f collection times are listed	h both COC and containers, do the COC and containers, do they lates indicated: On COC I on both COC and containers, d imes indicated: On COC	hey all match? On sample container all match? On sample container to they all match? On sample container	Yes \square No $[$ r(s) \square On Both $[$ Yes \square No $[$ r(s) \blacksquare On Both $[$ Yes \square No $[$ r(s) \blacksquare On Both $[$ r(s) \blacksquare On Both $[$	 Not indicated N/A Not indicated N/A N/A Not indicated
COMMENTS:	COMMENTS:				

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Report Number : 82604 Date : 09/19/2012

Laboratory Results

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

Subject : 1 Soil Sample Project Name : 7-Eleven Store #32266 Project Number : 211502037.230.0400

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 D. Jurpen

Troy Turpen



Subject :1 Soil SampleProject Name :7-Eleven Store #32266Project Number :211502037.230.0400

Report Number : 82604 Date : 09/19/2012

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.



Report Number : 82604 Date : 09/19/2012

Sample : MW-5-5	M	atrix : Soil	La	Lab Number : 82604-01				
Sample Date :09/12/2012 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed			
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/19/12 01:59			
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/19/12 01:59			
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/19/12 01:59			
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/19/12 01:59			
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/19/12 01:59			
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/19/12 01:59			
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	101 99.3		% Recovery % Recovery		09/19/12 01:59 09/19/12 01:59			

QC Report : Method Blank Data

Project Name : 7-Eleven Store #32266

Project Number: 211502037.230.0400

Parameter	Measured Value	Method Reportin Limit	g Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/18/2012
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/18/2012
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/18/2012
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/18/2012
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	09/18/2012
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	09/18/2012
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	103 99.7		% %	EPA 8260B EPA 8260B	09/18/2012 09/18/2012

		Methoo	1		
	Measured	Report	ng	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Report Number : 82604 Date : 09/19/2012

Project Number : 211502037.230.0400

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spike Sample Value	e d Units	Analysis Method	Date Analyzed	Percent		Relative	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	82641-01	<0.0050	0.0389	0.0388	0.0401	0.0405	mg/Kg	EPA 8260B	9/18/12	103	104	1.12	67.9-120	25
Ethylbenzene														
	82641-01	<0.0050	0.0389	0.0388	0.0445	0.0435	mg/Kg	EPA 8260B	9/18/12	114	112	2.09	65.5-127	25
Methyl-t-butyl e	ther													
	82641-01	<0.0050	0.0389	0.0388	0.0397	0.0380	mg/Kg	EPA 8260B	9/18/12	102	97.8	4.28	57.0-122	25
P + M Xylene														
	82641-01	<0.0050	0.0389	0.0388	0.0466	0.0430	mg/Kg	EPA 8260B	9/18/12	120	111	7.82	62.5-124	25
Toluene														
	82641-01	<0.0050	0.0389	0.0388	0.0384	0.0390	mg/Kg	EPA 8260B	9/18/12	98.8	100	1.76	65.7-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Project Number : 211502037.230.0400

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0396	mg/Kg	EPA 8260B	9/18/12	102	67.9-120
Ethylbenzene	0.0396	mg/Kg	EPA 8260B	9/18/12	108	65.5-127
Methyl-t-butyl ether	0.0396	mg/Kg	EPA 8260B	9/18/12	104	57.0-122
P + M Xylene	0.0396	mg/Kg	EPA 8260B	9/18/12	102	62.5-124
Toluene	0.0396	mg/Kg	EPA 8260B	9/18/12	100	65.7-120

Address: 3017 Ki	ramento Igore Road, Cordova, C)							-	Job	Addi Nam ation:	ie:	7-	Eleve	n Stor	attached, a #32266 sco Road	and are part of this Record.	
Kanche	Cordova, C	<u>A</u>								•	LUUG	ation	•			ore, CA			
Project # 211502	137 230	Task #	0400	Г										nalv	sis Re	equest			
Project Manager Da		_ '''''''''''''''''''''''''''''''''''''	0400	┢─									,	andry			1	······································	
Laboratory Kiff An							418.1			s	cs								ę
Turnaround Time	Standard					(yln	H 4	es	C/MS	olatile	rgani AS)		æ	8260B					arie a
Sampler's Name	elin Ryan				TEX 60B	sel O lified)	L.N	/olatil	anics g=G	ed V	ile O GC/I	ites 60B	8260	EPA (
Sampler's Signature	Cal R				8 B A 82	(Die mod	118.1	atic V 020	le rga 240 (enati 010	volat 270 (gena A 82	- A -	þ				0	
 Sample ID	Date	Time	Matrix	HCID	TPH9 & BTEX by EPA 8260E	TPHd (Diesel Only) 8015 (modified)	ТРН 418.1/МТРН	Aromatic Volatiles 602/8020	/olati 524/8	Halogenated Volatiles 601/8010	Semi- 525/8	5 Oxy oy EF	1,2 DCA - 8260B	MtBE				Comments/ Instructions	Number of Containers
MW-5-5	9/12/12	10:30	- 1		X	<u> </u>			/ 0		0.0	1.1		X					Ť
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obal ID #T10000001				Si	gn	Ug	$\mathcal{K}^{\mathbb{K}}$					Sig	n			/		Total no. of containe	rs:
nail EDD and lab rep					int		ولسم	Ryan				Prir		_	\checkmark		<u>.</u>	Chain of custody sea	
bbie.lichtenberger@ mon.brown@stante		1,			ompa me	iny 4°∶∕0		ntéc Date		2/12	<u> </u>	Tin	npar	y-		Date		Rec'd in good condition/co Conforms to reco	
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					ompa me⁄	iny	\leq	Date				Cor	mpar				41412	Client Phone: (916) 861- ext. 230	<u>0400</u>

SRG#:	Ł	2664		ECKLIST	09.14.12	Initia
Project ID:	7-51	even	Store	Date:	ø	
Method of Receip	ot: 🛛 🗹 Cour	rier 🗌 🖸	Over-the-counte	r 🗌 Shipper		
Shipping Only: 🔲 Fe	edEx * 🗌 OnTra	c * 🔲 Greyhour	nd 🔲 Other *Serv	ice level if not Priorit	y or Sunrise (M-F):	
OC Inspection COC present? ustody seals on shipping c COC Signed by Relinqui sampler name legibly ind analysis or hold requested the turnaround time indic COC free of whiteout and	sher? ZY icated on COC I for all sample ated on COC?	C? es?	Do Dated?	Yes Intact Yes Yes Yes Yes Yes Yes Yes	☐ No ☐ Broken ☐ Not pres ☐ No ☐ No ☐ No ☐ No ☐ No, Whiteout ☐ N	
ample Inspection oolant Present: emperature °CK re there custody seals on so to containers match COC? re there samples matrices re any sample containers la re preservatives indicated re preservatives correct for re samples within holding re the correct sample cont to there sufficient sample to to be any sample contain pr eceipt Details fatrix	Yes Therm. ID#_ sample contain Yes other than soil proken, leaking? ainers used for perform testin oduct, have str Container type Container type Container type	No (ind No (ind No No No water, air or g or damaged s, on sample uested? vses requested? vses requested? vses requested? rong odor or Slave	No, COC lists al r carbon? ? containers d? s requested? are otherwise su	Date/Time_ Intact osent sample(s) Yes Yes Yes, on COO Yes Yes Yes Yes Yes Yes Yes Yes Yes	$OG(\mathcal{Y} Z I) \mathcal{Y}$ $\square Broken \square N$ $\square No, Extra sample(s)$ $\square No$ $\square Yes$ OI	$\frac{4}{0} \prod_{n \neq n} N/A$ of present present /A
Puicklog re the Sample ID's indicat Sample ID's are listed on the Project ID indicated: Project ID is listed on bot re the sample collection d collection dates are listed re the sample collection ti collection times are listed COMMENTS:	both COC and co ates indicated: on both COC mes indicated	On CC ontainers, do t On CC and containe	do they all mate DC On sa they all match? DC On sa rs, do they all m DC On sa	Imple container(s) MYe mple container(s) natch? MYe mple container(s)	s No No K On Both N s No No M On Both N s No No M On Both N s On Both N	ot indicated /A ot indicated /A ot indicated /A ot indicated /A

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Laboratory Results

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

Subject : 2 Water Samples Project Name : 7-Eleven Store #32266 Project Number : 211502037.230.0400

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 D. Jurpen

Troy Turpen



Subject :2 Water SamplesProject Name :7-Eleven Store #32266Project Number :211502037.230.0400

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.



Project Name : **7-Eleven Store #32266** Project Number : **211502037.230.0400**

Sample : MW-3		Matrix : V	Water	Lab Number : 82717-01			
Sample Date :09/21/2012		Method					
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date/Time Analyzed		
Benzene	< 1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Toluene	< 1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Ethylbenzene	< 1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Total Xylenes	< 1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Methyl-t-butyl ether (MTBE)	760	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Diisopropyl ether (DIPE)	< 1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Ethyl-t-butyl ether (ETBE)	< 1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Tert-amyl methyl ether (TAME)	1.5	1.5	ug/L	EPA 8260B	10/01/12 12:33		
Tert-Butanol	32 J	7.0	ug/L	EPA 8260B	10/01/12 12:33		
TPH as Gasoline	< 150	150	ug/L	EPA 8260B	10/01/12 12:33		
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/01/12 12:33		
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	10/01/12 12:33		



Project Name : **7-Eleven Store #32266** Project Number : **211502037.230.0400**

Sample : MW-4		Matrix : \	Nater	Lab Number : 82717-02				
Sample Date :09/21/2012 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed			
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Methyl-t-butyl ether (MTBE)	400	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Tert-amyl methyl ether (TAME)	0.69	0.50	ug/L	EPA 8260B	09/30/12 20:46			
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/12 20:46			
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/30/12 20:46			
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	EPA 8260B	09/30/12 20:46			
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	09/30/12 20:46			

QC Report : Method Blank Data

Project Name : 7-Eleven Store #32266

Project Number : 211502037.230.0400

Parameter	Measured Value	Method Reportin Limit	g Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/30/2012
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	09/30/2012
Toluene - d8 (Surr)	104		%	EPA 8260B	09/30/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/01/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/01/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/01/2012
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	10/01/2012
Toluene - d8 (Surr)	96.7		%	EPA 8260B	10/01/2012

		Method			
	Measured	Reportir	ng	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Project Number : 211502037.230.0400

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spike Sample Value	e d Units	Analysis Method	Date Analyzed	Percent	Duplicate Spiked Sample Percent Recov.	Relative	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	82721-06	190	40.0	40.0	233	232	ug/L	EPA 8260B	9/30/12	98.6	94.3	4.39	80-120	25
Diisopropyl ethe	er													
	82721-06	35	39.5	39.5	73.3	72.5	ug/L	EPA 8260B	9/30/12	97.7	95.8	1.99	80-120	25
Ethyl-tert-butyl	ether													
	82721-06	<0.50	39.8	39.8	37.9	37.8	ug/L	EPA 8260B	9/30/12	95.2	95.0	0.125	76.5-120	25
Ethylbenzene														
	82721-06	35	40.0	40.0	75.5	75.8	ug/L	EPA 8260B	9/30/12	102	102	0.655	80-120	25
Methyl-t-butyl e	ther													
	82721-06	130	40.0	40.0	169	164	ug/L	EPA 8260B	9/30/12	103	90.4	13.1	69.7-121	25
P + M Xylene														
	82721-06	70	40.0	40.0	110	111	ug/L	EPA 8260B	9/30/12	99.4	101	1.52	76.8-120	25
Tert-Butanol														
	82721-06	<5.0	202	202	194	198	ug/L	EPA 8260B	9/30/12	96.4	98.4	2.00	80-120	25
Tert-amyl-meth	yl ether													
	82721-06	<0.50	39.9	39.9	39.0	39.5	ug/L	EPA 8260B	9/30/12	97.5	99.0	1.51	78.9-120	25
Toluene														
	82721-06	9.1	40.0	40.0	50.2	50.0	ug/L	EPA 8260B	9/30/12	103	102	0.564	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Project Number : 211502037.230.0400

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spike Sample Value	e d Units	Analysis Method	Date Analyzed	Percent	Duplicate Spiked Sample Percent Recov.	e Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	82718-15	<0.50	40.0	40.0	41.3	39.7	ug/L	EPA 8260B	10/1/12	103	99.3	3.87	80-120	25
Diisopropyl ethe	er													
	82718-15	<0.50	39.5	39.5	39.9	39.8	ug/L	EPA 8260B	10/1/12	101	100	0.281	80-120	25
Ethyl-tert-butyl	ether													
	82718-15	<0.50	39.8	39.8	39.8	39.6	ug/L	EPA 8260B	10/1/12	100	99.4	0.631	76.5-120	25
Ethylbenzene														
	82718-15	<0.50	40.0	40.0	41.9	40.1	ug/L	EPA 8260B	10/1/12	105	100	4.43	80-120	25
Methyl-t-butyl e	ther													
	82718-15	<0.50	40.0	40.0	37.1	37.5	ug/L	EPA 8260B	10/1/12	92.7	93.8	1.24	69.7-121	25
P + M Xylene														
	82718-15	<0.50	40.0	40.0	40.8	38.5	ug/L	EPA 8260B	10/1/12	102	96.3	5.84	76.8-120	25
Tert-Butanol														
	82718-15	<5.0	202	202	205	203	ug/L	EPA 8260B	10/1/12	102	101	0.796	80-120	25
Tert-amyl-meth	•													
	82718-15	<0.50	39.9	39.9	41.0	40.7	ug/L	EPA 8260B	10/1/12	103	102	0.589	78.9-120	25
Toluene														
	82718-15	<0.50	40.0	40.0	39.6	38.1	ug/L	EPA 8260B	10/1/12	99.0	95.2	3.90	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Project Number : 211502037.230.0400

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.8	ug/L	EPA 8260B	9/30/12	94.8	80-120
Diisopropyl ether	39.4	ug/L	EPA 8260B	9/30/12	95.5	80-120
Ethyl-tert-butyl ether	39.6	ug/L	EPA 8260B	9/30/12	93.6	76.5-120
Ethylbenzene	39.8	ug/L	EPA 8260B	9/30/12	97.9	80-120
Methyl-t-butyl ether	39.8	ug/L	EPA 8260B	9/30/12	89.2	69.7-121
P + M Xylene	39.8	ug/L	EPA 8260B	9/30/12	96.5	76.8-120
TPH as Gasoline	478	ug/L	EPA 8260B	9/30/12	97.3	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	9/30/12	93.3	80-120
Tert-amyl-methyl ether	39.7	ug/L	EPA 8260B	9/30/12	95.8	78.9-120
Toluene	39.8	ug/L	EPA 8260B	9/30/12	98.4	80-120
Benzene	39.9	ug/L	EPA 8260B	10/1/12	101	80-120
Diisopropyl ether	39.4	ug/L	EPA 8260B	10/1/12	98.4	80-120
Ethyl-tert-butyl ether	39.7	ug/L	EPA 8260B	10/1/12	98.6	76.5-120
Ethylbenzene	39.9	ug/L	EPA 8260B	10/1/12	103	80-120
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	10/1/12	89.9	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	10/1/12	98.5	76.8-120
TPH as Gasoline	478	ug/L	EPA 8260B	10/1/12	109	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	10/1/12	99.1	80-120
Tert-amyl-methyl ether	39.8	ug/L	EPA 8260B	10/1/12	99.4	78.9-120
Toluene	39.9	ug/L	EPA 8260B	10/1/12	97.3	80-120

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Sampler's Signature Sample ID MW-3	Date	Time	Matrix Water	HCI-preserved	X TPH9/BTEX -	TPHd (Diesel Only) 8015 (modified)	TPH 418.1/	Aromatic Volatiles 602/8020	Volatile rga 624/8240 (Halogenate 601/8010	Semi-volati 625/8270 ((Chloroforn 8260B						Comments/ Instructions		Number of	C
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Special Instructions/C	Comments			Re	elingi	Jishe	d by:					Re	ceive	ed by:					Sample Rec	eipt		
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SECOR CUSTREC Rev. 2/99

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Project ID:	7-Eleven	Store	# 32	266	
 Method of Receip		er-the-counter	Shipper		
	edEx * OnTrac * Greyhound			or Sunrise (M-F):	
OC Inspection COC present? istody seals on shipping COC Signed by Relinqu sampler name legibly ind analysis or hold requeste the turnaround time indid COC free of whiteout an	isher? Yes No dicated on COC? ed for all samples?	ĺ	Yes Intact Yes Yes Yes Yes Yes Yes	□ No □ Broken □ Not □ No □ No □ No □ No, Whiteout ↑	,
e there custody seals on containers match COC e there samples matrices e any sample containers re preservatives indicated e preservatives correct for e samples within holding the correct sample con there sufficient sample to bes any sample contain p eccept Details atrix	Yes No No other than soil, water, air or of broken, leaking or damaged? Yes, on sample co or analyses requested? g time for analyses requested? tainers used for the analyses re	Initial <u>CTY</u> , COC lists absect carbon? [ontainers] equested? e otherwise sust # of conta # of conta	Intact ent sample(s) Yes Yes Yes, on COC Yes Yes Yes Yes Yes Yes	Broken [No, Extra samp No No Not indicated [No No No No No No	Not present
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