



Stantec Consulting Services, Inc.
9665 Granite Ridge Drive, Suite 220
San Diego, CA 92123-2636
(858) 751-1200

February 26, 2019
File: 185850736.800

Attention: Mr. Jeff Williams
7-Eleven, Inc.
330 East Lambert Road, Suite 150
Brea, CA 92821

Reference: Phase II Environmental Site Assessment
Proposed 7-Eleven Store No. 38680
110 West Imperial Highway
Los Angeles, California 90061

Dear Mr. Williams,

On behalf of 7-Eleven, Inc. (7-Eleven), Stantec has prepared the following report describing the results of assessment activities conducted at Proposed 7-Eleven Store No. 38680, located at 110 West Imperial Highway in Los Angeles, California (Figure 1). The 7-Eleven Real Estate Department requested the assessment to evaluate potential petroleum hydrocarbon impact(s) to soil and groundwater from former and recent operations conducted on the Property.

Scope of Work

- Prepared a site-specific Health and Safety Plan (HASP);
- Prepared and submitted a drilling permit application to the Los Angeles County, Department of Public Health (DPH), Drinking Water Program;
- Notified Underground Service Alert (USA) and a private utility locator (Pacific Coast Locators [PCL]) to locate, identify, and mark-out subsurface utilities;
- Supervised the advancement of five soil boreholes (SB-1 through SB-5) at the locations shown on Figure 2;
- Collected soil samples and logged the lithology of soil samples during drilling operations;
- Analyzed soil samples from the boreholes for total petroleum hydrocarbons-gasoline range organics (TPH-GRO), benzene, toluene, ethylbenzene, total xylenes (collectively known as BTEX) tert-amyl methyl ether (TAME), tert-butanol (TBA), diisopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE), and methyl-tert-butyl ether (MTBE) using EPA Method 8260B; and,
- Prepared this report, which includes our findings and conclusions.

Reference: Phase II Environmental Site Assessment

Background

Based on information provided in the Phase I Environmental Site Assessment (ESA) Report prepared by Stantec and dated February 14, 2019, the Property consists of an operating income tax service and notary public business, a parking lot, one canopy structure for the Imperial Hand Car Wash, and an operating 1 Stop Tire Shop. Historical records obtained from the Los Angeles County Department of Public Works indicated that the Property operated as a gas station and auto service station in 1945, and an auto service and repair shop from at least 1981 through 2014.

Based on the findings of the Phase I ESA, a Phase II site assessment was recommended for the planned future site use as a 7-Eleven convenience store with gasoline sales to evaluate potential impacts which may be present on the Property due to the historical use of the Property as a gas and auto service station.

Subsurface Investigation

Drilling

A drilling permit application for the soil boreholes was prepared and submitted to Los Angeles County DPH. The approved permit is included in Attachment A.

A site-specific HASP was prepared to address potential hazards during the proposed drilling activities. Stantec personnel and subcontractors were required to acknowledge the HASP prior to the field work.

USA was notified of the work a minimum of 48 hours prior to drilling as required by law. USA notified local utility companies of the planned work in order to have the drilling area marked for utilities. Stantec also contracted a private utility locator (PCL) to mark the locations of any additional subsurface utilities.

On February 1, 2019, five proposed borehole locations were cleared for subsurface utilities with a hand auger by ABC Liovin Drilling of Signal Hill, California to a depth of approximately five feet below ground surface (bgs).

On February 1, 2019, boreholes B-1 through B-5 were advanced to depths of 40 feet bgs (Figure 2). The soil boreholes were advanced using a direct push drilling rig equipped with 2.25-inch diameter probes and operated by ABC Liovin Drilling. Groundwater was not encountered at total depth in any of the boreholes. The drilling was directed by qualified Stantec geologic staff working under the supervision of a State of California Professional Geologist.

Soil samples were collected approximately every five vertical feet and at total depth during the advancement of the boreholes. Soil samples were collected for soil classification, laboratory analysis and field screening purposes. Samples collected during drilling were recovered using acetate sleeves lining the direct push probes. The ends of the acetate sleeves were covered with Teflon® sheets and plastic end-caps. The samples were then labeled, placed in a cooler with ice, and recorded using chain of custody (COC) protocols. The samples not submitted for laboratory analysis were used for soil description and field screening purposes. Stantec submitted 40 soil samples collected from the boreholes to the laboratory under COC, and six soil samples were analyzed.

All sampling equipment was decontaminated prior to sampling with a solution of Alconox® detergent and water and rinsed with clean water to prevent cross-contamination between boreholes.

Reference: Phase II Environmental Site Assessment

Following collection of soil samples, the soil boreholes were backfilled with hydrated bentonite and covered with concrete match the existing surface. Borehole logs are presented in Attachment B.

Analytical Methods

The soil samples were transported under appropriate COC to TestAmerica Laboratory of Nashville, Tennessee, a State of California-certified analytical laboratory. Samples were analyzed for TPH-GRO, BTEX, TAME, TBA, DIPE, ETBE, and MTBE.

Soil Sample Analytical Results

TPH-GRO, , BTEX, TAME, TBA, DIPE, ETBE, and MTBE were not detected in the six soil samples above their respective laboratory reporting limits (LRLs).

Soil sample analytical results are summarized in Table 1. Copies of the certified analytical laboratory reports and COC documentation are presented in Appendix C.

Phase II Summary and Conclusions

The lithologies observed in the boreholes drilled during this investigation consisted predominantly of clays, silts, and sands. Groundwater was not encountered during drilling activities at total depths of 40 feet bgs. TPH-GRO, BTEX, TAME, TBA, DIPE, ETBE, and MTBE were not detected in the six soil samples above their respective LRLs.

Based on analytical results of soil samples collected during this investigation no additional assessment is recommended. However, there is a possibility that residual hydrocarbon impact may be encountered during proposed demolition and construction activities. Stantec recommends that environmental personnel be present on-site for excavation as needed.

Limitations

This report has been prepared for the exclusive use of 7-Eleven, Inc. as it pertains to their site located at 110 West Imperial Highway in Los Angeles, California. The findings and conclusions rendered in this report are opinions based primarily on laboratory testing of soil samples collected during this project. This report does not reflect subsurface variations which may exist between sampling points. These variations cannot be anticipated nor can they be entirely accounted for even with exhaustive additional testing.

All work has been performed with the degree of skill generally exercised by practicing engineers and geologists in the environmental field. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice which is contained within the body of this report.

February 26, 2019
Mr. Jeff Williams
Page 4 of 4

Reference: Phase II Environmental Site Assessment

If you have any questions regarding this report, please contact the undersigned.

Regards,

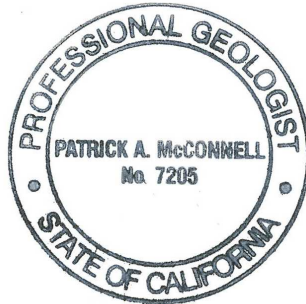
STANTEC CONSULTING SERVICES INC.

Kathleen Menozzi

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Project Engineer
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Patrick McConnell

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Senior Scientist
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Jenna.Martinez@Stantec.com

Attachments: Table 1 – Soil Sample Analytical Results
Figure 1 – Site Location Map
Figure 2 – Site Plan
Attachment A – Drilling Permit
Attachment B – Borehole Logs and Legend
Attachment C– Soil Sample Laboratory Analytical Report and Chain-of-Custody Documentation

c. Jose Rios, 7-Eleven, Inc.
John Wainwright, Stantec

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TABLE

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS

Proposed 7-Eleven Store No. 38680
110 West Imperial Highway
Los Angeles, CA 90061

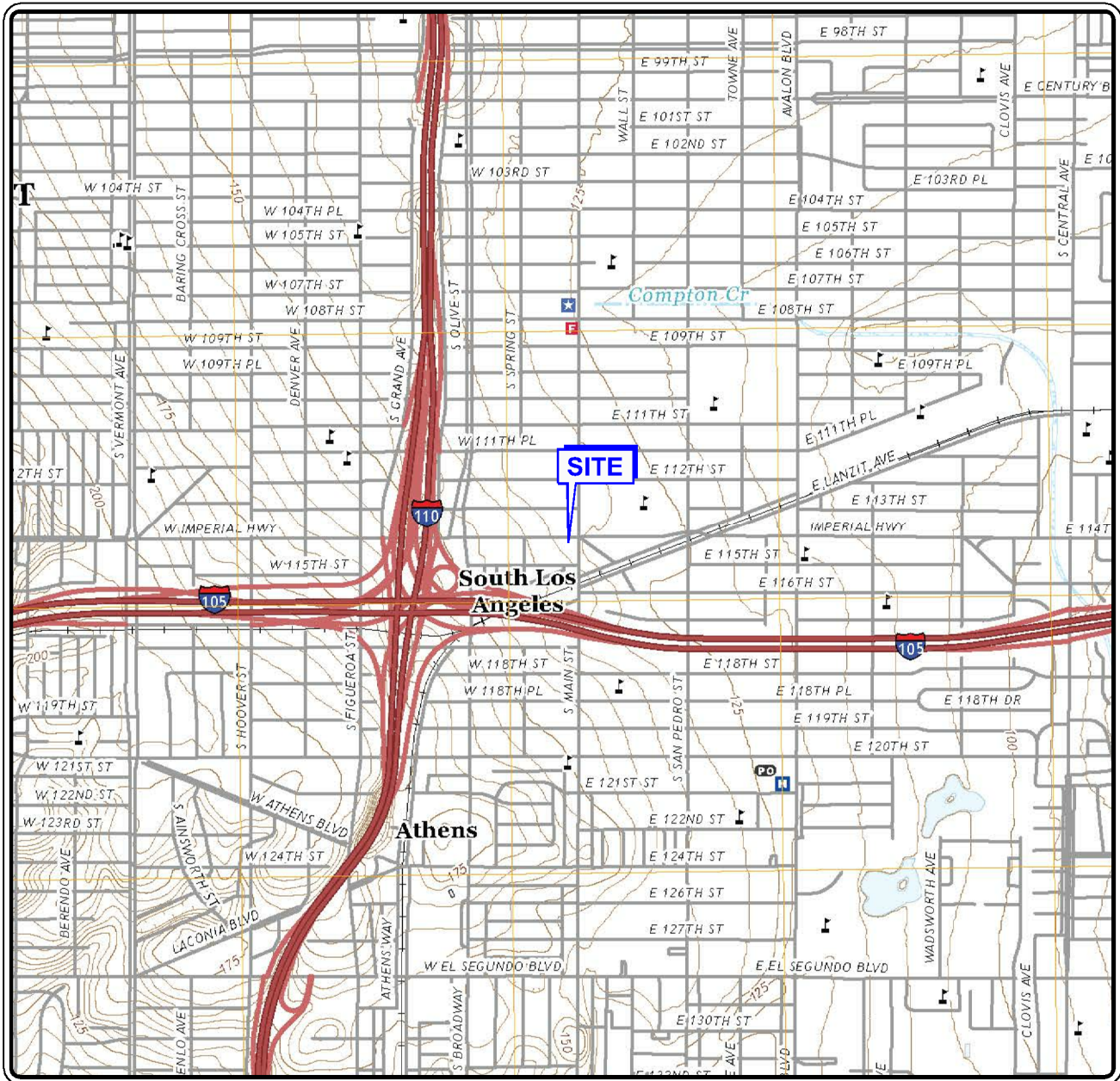
All concentrations in milligrams per kilogram (mg/kg).

Sample ID	Depth in feet	Sample Date	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	DIPE	ETBE	MTBE
SB-1-20	20.0	02/01/19	<0.0888	<0.00178	<0.00178	<0.00178	<0.00533	<0.00178	<0.0444	<0.00178	<0.00444	<0.00178
SB-1-40	40.0	02/01/19	<0.0945	<0.00189	<0.00189	<0.00189	<0.00567	<0.00189	<0.0473	<0.00189	<0.00473	<0.00189
SB-2-40	40.0	02/01/19	<0.0903	<0.00181	<0.00181	<0.00181	<0.00542	<0.00181	<0.0451	<0.00181	<0.00451	<0.00181
SB-3-40	40.0	02/01/19	<0.0899	<0.00180	<0.00180	<0.00180	<0.00540	<0.00180	<0.0450	<0.00180	<0.00450	<0.00180
SB-4-40	40.0	02/01/19	<0.0984	<0.00197	<0.00197	<0.00197	<0.00591	<0.00197	<0.0492	<0.00197	<0.00492	<0.00197
SB-5-40	40.0	02/01/19	<0.0862	<0.00172	<0.00172	<0.00172	<0.00517	<0.00172	<0.0431	<0.00172	<0.00431	<0.00172

Notes: TPH-GRO = Total petroleum hydrocarbons gasoline range organics
TAME = Tert-methyl amyl ether
TBA = Tert-butanol
DIPE = Diisopropyl ether
ETBE = Ethyl-tert-butyl ether
MTBE = Methyl-tert-butyl ether
< = Below laboratory reporting limit shown
TPH-GRO, benzene, toluene, ethylbenzene, total xylenes, TAME, TBA, DIPE, ETBE, and MTBE analyzed by the United States Environmental Protection Agency (EPA) Test Method 8260B.

FIGURES

V:\1858\ACTIVE\185850725\03_DATA\GIS\CAD\DWG\20190207_RPT_38319_FIG1_SITE_LOCATION_MAP.DWG
2/8/2019 11:37 AM



CALIFORNIA

QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

ADJOINING QUADRANGLES

- 1 Beverly Hills
- 2 Hollywood
- 3 Los Angeles
- 4 Venice
- 5 South Gate
- 6 Redondo Beach
- 7 Torrance
- 8 Long Beach



0 1000 2000

1 INCH = 2000 FEET

Reference: U.S.G.S., 2018 Inglewood, California Quadrangle.
7.5-Minute Topographic Map.

Note: Coordinate system; NAD 83 California State Planes, Zone V (Ft).

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ORIGINAL SHEET - ANSI A

Client/Project

PROPOSED 7-ELEVEN STORE No. 38680

110 West Imperial Highway
Los Angeles, CA 90061

Figure No.

1

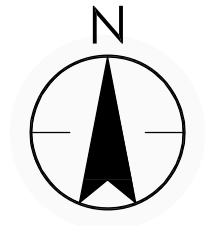
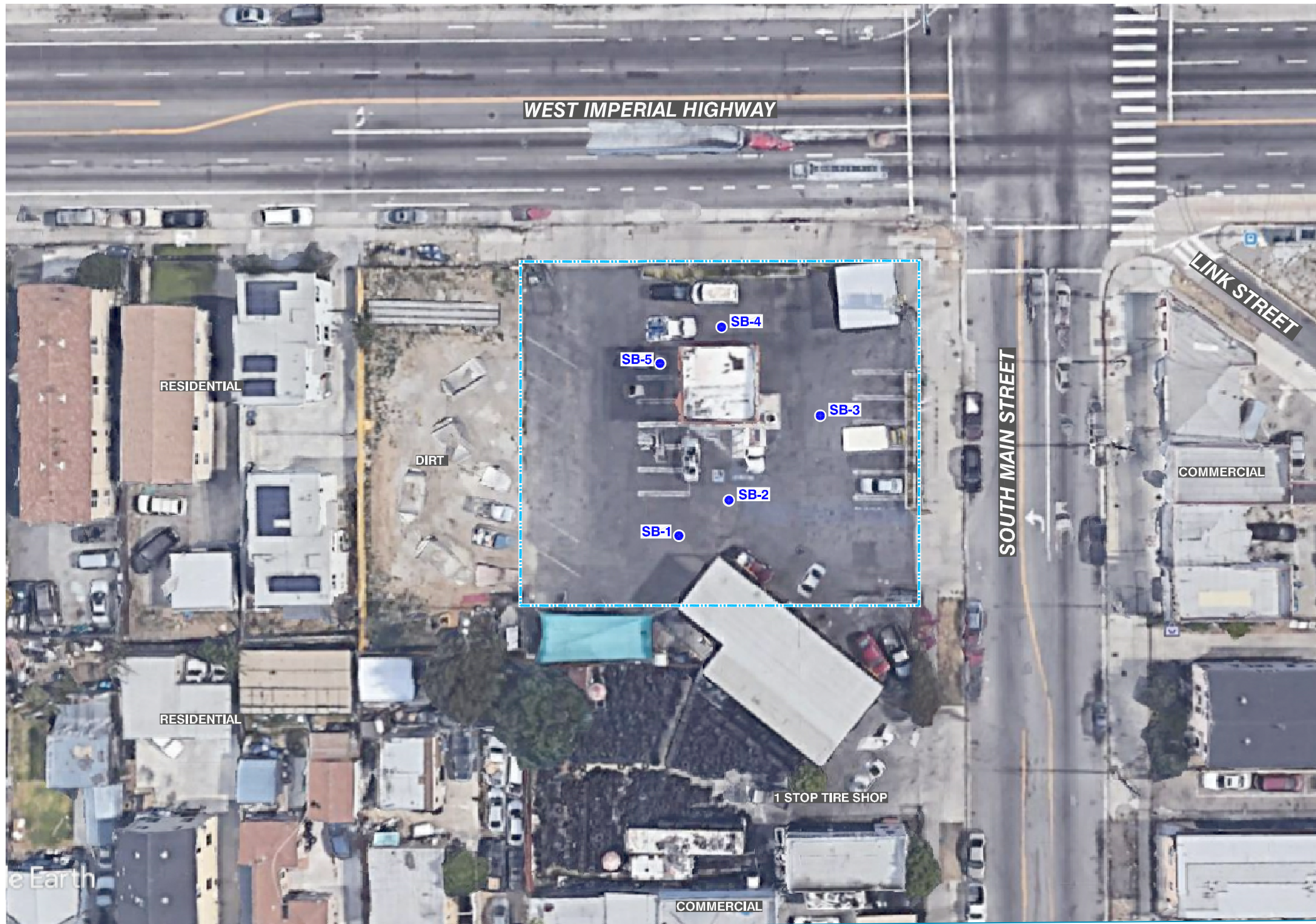
Title

SITE LOCATION MAP





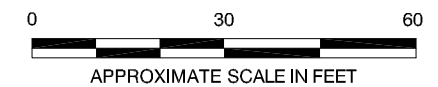
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www.stantec.com

V:\1858\ACTIVE\185850736\03_DATA\GIS\CAD\DWG\20190208_RPT_38680_FIG2_SITE_PLAN.DWG
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Legend

-  APPROXIMATE PROPERTY BOUNDARY
-  BOREHOLE LOCATIONS



ORIGINAL SHEET - ANSI B



9665 Granite Ridge Drive, Suite 220
San Diego, CA 92123-2636
www.stantec.com

NOTES:

1. MAP REFERENCES; GOOGLE EARTH PROFESSIONAL AERIAL IMAGE, 2018.
2. COORDINATE SYSTEM; NAD 83 ZONE V (FT). NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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Client/Project
PROPOSED 7-ELEVEN STORE No. 38680
110 West Imperial Highway
Los Angeles, CA 90061

Figure No.
2

Title
SITE PLAN

**ATTACHMENT A
DRILLING PERMIT**



ENVIRONMENTAL HEALTH

Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706

Telephone: (626) 430-5420 • { [HYPERLINK "http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm"](http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm) }



Work Plan Approval

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS
110 West Imperial Highway	Los Angeles	90061	Jenna.Martinez@stantec.com

NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- WORK PLAN APPROVALS ARE LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

X	WORK PLAN APPROVED FOR: 5 Soil Borings/Exp. Holes	PERMIT NUMBER: SR0169855	DATE: 01-02-2019
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ADDITIONAL APPROVAL CONDITIONS:

- Work plan approval is issued for scope of work submitted to the Drinking Water Program. Any modifications to the scope of work will require additional work plan review.
- Ensure the boring/exploration hole is backfilled within 24 hours of boring construction.
- Ensure to backfill using a tremie pipe under pressure or equivalent equipment with approved cement grout, proceeding upward from the bottom of the boring/exploration hole.
- Ensure soil borings are sealed per California Well Standards 74-90
 - Cement grout mix ratio of 5-6 gallons of water per 94-pound bag of Portland cement.
 - Up to 6% of Bentonite may be added to the cement-based mix.
 - No hydrated Bentonite chips
- Borings/Exploration holes must comply with all applicable requirements published in the California Well Standards (Bulletins 74-81 and 74-90) and the Los Angeles County Code, Title 11.

APPROVED BY:

Belinda Larsen, REHS
21515 Vanowen St. Ste. 116
Canoga Park, Ca 91303
(818) 593-7308



ATTACHMENT B
BOREHOLE LOGS AND LEGEND

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-1

PAGE 1 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304-STANTEC ENVIRO 101613 FIG_BORING_LOGS_110_IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
0 - 4			~4-inch asphalt Cleared/Hand Augered to 5' bgs, Fill Material							Concrete
5 - 10		CL	CL; LEAN CLAY WITH SAND, 2.5Y 4/2 dark grayish brown, ~15% subrounded fine-grained sand, ~85% plastic fines, low plasticity, very stiff, moist, homogeneous, mottled, cohesive 10YR 4/3 brown @ 6.5' bgs Stiff		7:53 SB-1-5	5		0.8	5	
10 - 15		CL	CL; LEAN CLAY, 10YR 5/4 yellowish brown, ~95% plastic fines, medium plasticity, stiff, moist, iron-oxide staining, homogeneous, cohesive Same As Above, firm, fissured		7:54 SB-1-10			20.7	10	
15 - 20		ML	ML; SILT, 2.5Y 5/4 light olive brown, ~85% non-plastic fines, firm, moist, homogeneous, trace fine-grained sand (~5%), micaceous (~10% mica)		7:57 SB-1-15			30.0	15	Hydrated No.8 Bentonite
20 - 22.5		CH	CH; FAT CLAY, 2.5Y 5/3 light olive brown, 100% plastic fines, high plasticity, hard, moist, iron-oxide staining, laminated color (<6mm between light olive brown and grayish brown), cohesive		8:02 SB-1-20			36.7	20	
22.5 - 25		CL	CL; LEAN CLAY, 2.5Y 4/3 olive brown, ~95% plastic fines, medium plasticity, firm, moist, iron-oxide staining, fissured, trace mica (~5%), mottled, cohesive, softens with depth 2.5Y 5/3 light olive brown @ 22.5' bgs		8:07 SB-1-25	2.5		0.1	25	

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-1

PAGE 2 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304 STANTEC ENVIRO 101613 FIG BORING LOGS 110 IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			Low plasticity, micaceous (~15% mica)			2.5				
30		CL	CL; Same As Above, medium plasticity, stiff, stratified color (>6mm varying between 10YR 3/2 dark grayish brown and 10YR 5/4 yellowish brown)		8:20 SB-1-30	2.5		0.0	30	
			Increase of fine-grained sand with depth			2.5				
35		SC	SC; CLAYEY SAND, 2.5Y 5/4 light olive brown, ~35% plastic fines, ~60% fine-grained, subrounded to subangular, dense, moist, slight iron-oxide staining, hard cementation, unconsolidated, poorly graded		8:44 SB-1-35	2.5		29.1	35	
		ML	ML; SILT, 2.5Y 4/3 olive brown, ~90% non-plastic fines, firm, moist, homogeneous, micaceous (~10% mica)			2.5				
40		CL	CL; LEAN CLAY, 2.5Y 5/3 light olive brown, ~90% plastic fines, medium plasticity, firm, moist, iron-oxide staining, homogeneous, micaceous (~10% mica), cohesive		8:52 SB-1-40	2.5		2.8	40	
			Borehole terminated at 40 feet bgs.							
45									45	
50									50	

← Hydrated No.8 Bentonite

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-2

PAGE 1 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304 STANTEC ENVIRO 101613 FIG BORING LOGS_110_IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			~4-inch asphalt Cleared/Hand Augered to 5' bgs, Fill Material							Concrete
5		CL	CL; LEAN CLAY WITH SAND, 2.5Y 2.5/1 black, ~15% subrounded fine-grained sand, ~80% plastic fines, low plasticity, firm, moist, fissured, trace mica (~5%), cohesive Stiffens with depth		10:12 SB-2-5	5		3.2	5	
10		CL	CL; Same As Above, 10YR 3/3 dark brown		10:13 SB-2-10			10.9	10	
15		CL	CL; LEAN CLAY, 2.5Y 5/3 light olive brown, ~90% plastic fines, medium plasticity, very stiff, moist, iron-oxide staining, slickensided, trace fine-grained sand (~5%), trace mica (~5%), cohesive		10:15 SB-2-15	5		6.4	15	Hydrated No.8 Bentonite
		ML	ML; SANDY SILT, 2.5Y 5/3 light olive brown, ~30% subangular fine-grained sand, ~60% non-plastic fines, stiff, moist, slight iron-oxide staining, homogeneous, micaceous (~10% mica)			5		2.8		
20		CH	CH; FAT CLAY, 10YR 5/4 yellowish brown, ~95% plastic fines, high plasticity, hard, moist, laminated (<6mm of alternating color with 10YR 5/3 brown spots), trace mica (~5%), cohesive, increase in silt with depth		10:18 SB-2-20				20	
		ML	ML; SILT WITH SAND, 2.5Y 5/4 light olive brown, ~15% subrounded to subangular fine-grained sand, ~75% non-plastic fines, stiff, moist, homogenous, micaceous (~10% mica)			2.5				
25		CL	CL; LEAN CLAY, 2.5Y 5/2 grayish brown, ~90% plastic fines, medium plasticity, firm, moist, iron-oxide staining, blocky, trace fine-grained sand (~5%), trace mica (~5%), cohesive		10:27 SB-2-25	2.5		0.0	25	

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-2

PAGE 2 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft): **128**
 INITIAL DTW (ft): **N/A**
 STATIC DTW (ft): **N/A**
 WELL CASING DIAM. (in): **N/A**
 LOGGED BY: **G. Pankratz**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **40.0**
 WELL DEPTH (ft): **N/A**
 BOREHOLE DIAM. (in): **2.25**
 CHECKED BY: **P. McConnell**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
30		CL	2.5Y 4/2 dark grayish brown, stiffens with depth			2.5				
30		CL	CL; Same As Above, calcium concretion, increase in mica (~10%) Soft Back to stiff		10:49 SB-2-30	2.5		23.9	30	 Hydrated No.8 Bentonite
35		SC	SC; CLAYEY SAND, 2.5Y 5/4 light olive brown, ~35% plastic fines, ~60% fine-grained, subrounded to subangular, dense, moist, iron-oxide staining, hard cementation, trace mica (~5%), poorly graded ~3-inch clay lense		11:20 SB-2-35	2.5		0.5	35	
40		ML	ML; SILT WITH SAND, 10YR 4/4 dark yellowish brown, ~15% subrounded fine-grained sand, ~85% non-plastic fines, firm, moist, iron-oxide staining, homogeneous			2.5				
40		CL	CL; LEAN CLAY, 2.5Y 5/3 light olive brown, ~90% plastic fines, medium plasticity, firm, moist, iron-oxide staining, homogenous, trace fine-grained sand (~5%), trace mica (~5%), cohesive Borehole terminated at 40 feet bgs.		11:30 SB-2-40	2.5		2.6	40	
45									45	
50									50	

GEO FORM 304_STANTEC ENVIRO 101613 FIG_BORING_LOGS_110_IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-3

PAGE 1 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304_STANTEC ENVIRO 101613 FIG_BORING_LOGS_110_IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			~4-inch asphalt							Concrete
			Cleared/Hand Augered to 5' bgs, Fill Material							
5		CL	CL; LEAN CLAY WITH SAND, 2.5Y 2.5/1 black, ~20% subrounded fine-grained sand, ~80% plastic fines, low plasticity, soft, moist, homogeneous, mottled, cohesive		12:21 SB-3-5	5		0.0	5	
			Stiff, calcium concretion					0.0		
10		CL	CL; Same As Above, firm		12:22 SB-3-10				10	
		CL	CL; LEAN CLAY, 2.5Y 5/3 light olive brown, ~90% plastic fines, medium plasticity, very stiff, moist, iron-oxide staining, slickensided, micaceous (~10% mica), cohesive			5		21.3		
15		CL	CL; Same As Above, fissured		12:29 SB-3-15				15	Hydrated No.8 Bentonite
		ML	ML; SILT WITH SAND, 10YR 4/4 dark yellowish brown, ~20% subrounded to subangular fine-grained sand, ~70% non-plastic fines, firm, moist, slight iron-oxide staining, homogenous, micaceous (~10% mica)			5				
		CH	CH; FAT CLAY, 2.5Y 5/4 light olive brown, ~95% plastic fines, high plasticity, hard, moist, iron-oxide staining, homogeneous, trace mica (~5%), cohesive		12:34 SB-3-20			4.4	20	
		CL	CL; LEAN CLAY WITH SAND, 2.5Y 5/3 light olive brown, ~10% subrounded to subangular fine-grained sand, ~90% plastic fines, medium plasticity, stiff, moist, iron-oxide staining, blocky, cohesive			2.5				
		ML	ML; SILT WITH SAND, 2.5Y 4/3 olive brown, ~20% subrounded fine-grained sand, ~75% non-plastic fines, firm, moist, iron-oxide staining, homogenous, trace mica (~5%)			2.5		6.7		
25		CH	CH; FAT CLAY, 2.5Y 4/3 olive brown, ~95% plastic fines, high plasticity, hard, moist, slight iron-oxide staining, homogenous,		12:38 SB-3-25				25	

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-4

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304 STANTEC ENVIRO 101613 FIG BORING LOGS 110 IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			~4-inch asphalt Cleared/Hand Augered to 5' bgs, Fill Material							Concrete
5		CL	CL; LEAN CLAY, 2.5Y 2.5/1 black, ~95% plastic fines, medium plasticity, soft, moist, homogeneous, trace fine-grained sand (~5%), cohesive Stiffens with depth		14:09 SB-4-5	5		6.9	5	
10		CL	CL; Same As Above, 10YR 4/3 brown, stiff, calcium concretion		14:10 SB-4-10	5		3.3	10	
15		CL	CL; LEAN CLAY WITH SAND, 2.5Y 4/3 olive brown, ~15% subrounded to subangular fine-grained sand, ~75% plastic fines, medium plasticity, stiff, moist, iron-oxide staining, slickensided, micaceous (~10% mica), cohesive		14:11 SB-4-15	5		1.8	15	Hydrated No.8 Bentonite
		ML	ML; SILT WITH SAND, 2.5Y 5/4 light olive brown, ~20% subrounded to subangular fine-grained sand, ~70% non-plastic fines, stiff, moist, iron-oxide staining, homogenous, micaceous (~10% mica)			5				
20		CL	CL; LEAN CLAY, 2.5Y 5/3 light olive brown, ~90% plastic fines, medium plasticity, firm, moist, slight iron-oxide staining, blocky, trace fine-grained sand (~5%), trace mica (~5%), cohesive Stiffens with depth		14:18 SB-4-20	2.5		1.2	20	
		ML	ML; SILT WITH SAND, 2.5Y 4/3 olive brown, ~15% subrounded to subangular fine-grained sand, ~70% non-plastic fines, stiff, moist, iron-oxide staining, homogenous, micaceous (~15% mica)			2.5				
25		CL	CL; LEAN CLAY, 2.5Y 5/3 light olive brown, ~90% plastic fines, medium plasticity, firm, moist, iron-oxide staining, blocky, trace fine-grained sand (~5%), trace mica (~5%), cohesive		14:34 SB-4-25	2.5		0.0	25	

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-4

PAGE 2 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304 STANTEC ENVIRO 101613 FIG BORING LOGS_110_IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
		CL	Soft @ 24' bgs Firm, slickensided @ 25' bgs Increase in fine-grained sand @ 26' bgs Fissured @ 27' bgs			2.5				
30		CL	CL; Same As Above, calcium concretion		14:40 SB-4-30	2.5		19.1	30	
		CL	CL; Same As Above, 2.5Y 4/3 olive brown			2.5				
35		SP-SM	SP-SM; POORLY GRADED SAND WITH SILT, 10YR 5/6 yellowish brown, ~10% non-plastic fines, ~85% fine-grained, subrounded, medium dense, moist, slight iron-oxide staining, moderate cementation, unconsolidated, trace mica (~5%)		14:47 SB-4-35	2.5		20.0	35	
		CL	CL; LEAN CLAY, 2.5Y 4/4 olive brown, ~95% plastic fines, medium plasticity, stiff, moist, iron-oxide staining, homogenous, mottled, trace fine-grained sand (~5%), cohesive			2.5				
		ML	ML; SILT, 2.5Y 4/3 olive brown, ~95% non-plastic fines, soft, moist, iron-oxide staining, homogeneous, trace fine-grained sand (~5%)			2.5				
40		CL	CL; LEAN CLAY, 2.5Y 4/3 olive brown, ~95% plastic fines, medium plasticity, very stiff, moist, iron-oxide staining, slickensided, trace mica (~5%), cohesive Borehole terminated at 40 feet bgs.		14:53 SB-4-40	2.5		0.6	40	
45									45	
50									50	

← Hydrated No.8 Bentonite

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-5

PAGE 1 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304 STANTEC ENVIRO 101613 FIG BORING LOGS 110 IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			~4-inch asphalt Cleared/Hand Augered to 5' bgs, Fill Material							Concrete
5		CL	CL; LEAN CLAY WITH SAND, 2.5Y 2.5/1 black, ~20% subrounded fine-grained sand, ~75% plastic fines, low plasticity, firm, moist, homogeneous, mottled, calcium concretion, trace mica (~5%), cohesive Stiffens with depth		15:54 SB-5-5	5		0.0	5	
10		CL	CL; Same As Above, 10YR 4/3 brown, stiff, fissured		15:55 SB-5-10	2.5		1.8	10	
		CL	CL; Same As Above, laminated (<6mm length of alternating color of mostly 2.5Y 5/3 light olive brown and 2.5Y 3/2 very dark grayish brown)			2.5		13.7		
15		ML	ML; SILT WITH SAND, 2.5Y 5/4 light olive brown, ~15% subrounded to subangular fine-grained sand, ~80% non-plastic fines, firm, moist, homogeneous, trace mica (~5%)		15:58 SB-5-15	2.5			15	Hydrated No.8 Bentonite
		CL	CL; LEAN CLAY, 10YR 5/4 yellowish brown, ~90% plastic fines, medium plasticity, stiff, moist, iron-oxide staining, fissured, mottled, trace fine-grained sand (~5%), trace mica (~5%), cohesive Slickensided			2.5		2.4		
20		CL	CL; Same As Above, 2.5Y 5/3 light olive brown, firm Increase of mica with depth up to 10%, fine-grained sand up to 35%		16:03 SB-5-20	2.5		0.8	20	
25		CL	CL; SANDY CLAY, 10YR 4/4 dark yellowish brown, ~35% subrounded to subangular		16:08 SB-5-25				25	

PROJECT: **Proposed 7-Eleven #1043505 (38680)**
 LOCATION: **110 West Imperial Highway, Los Angeles, CA**
 PROJECT NUMBER: **185850736**

WELL / PROBEHOLE / BOREHOLE NO:



SB-5

PAGE 2 OF 2

DRILLING / INSTALLATION:
 STARTED: **2/1/2019** COMPLETED: **2/1/2019**
 DRILLING COMPANY: **ABC Liovin Drilling**
 DRILLING EQUIPMENT: **Geoprobe Rig 6712 DT**
 DRILLING METHOD: **Direct Push Technology**
 SAMPLING EQUIPMENT: **Acetate Liners**








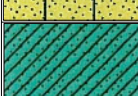







NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **128** TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **40.0**
 STATIC DTW (ft): **N/A** WELL DEPTH (ft): **N/A**
 WELL CASING DIAM. (in): **N/A** BOREHOLE DIAM. (in): **2.25**
 LOGGED BY: **G. Pankratz** CHECKED BY: **P. McConnell**

GEO FORM 304 STANTEC ENVIRO 101613 FIG BORING LOGS 110 IMPERIAL_20190212.GPJ STANTECUS1342.GDT 2/13/19

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
		CL	fine-grained sand, ~60% plastic fines, low plasticity, very stiff, moist, iron-oxide staining, fissured, slight calcium concretion, trace mica (~5%), cohesive			2.5				
30		CL	CL; Same As Above		16:17 SB-5-30	2.5		0.4	30	
			Change in color to 2.5Y 4/4 olive brown			2.5				
		CL	CL; Same As Above, 2.5Y 4/4 olive brown			2.5		1.6	35	
35		SP-SM	SP-SM; POORLY GRADED SAND WITH SILT, 2.5Y 5/4 light olive brown, ~10% non-plastic fines, ~80% fine-grained, subrounded, medium dense, moist, moderate cementation, micaceous (~10% mica)		16:26 SB-5-35	2.5				
		CL	CL; LEAN CLAY, 2.5Y 4/4 olive brown, ~90% plastic fines, medium plasticity, stiff, moist, homogeneous, trace fine-grained sand (~5%), trace mica (~5%), cohesive			2.5		0.0	40	
		ML	ML; SILT, 2.5Y 5/4 light olive brown, ~95% non-plastic fines, soft, moist, slight iron-oxide staining, homogeneous, trace fine-grained sand (~5%)		16:31 SB-5-40	2.5				
		CH	CH; FAT CLAY, 2.5Y 5/3 light olive brown, ~95% plastic fines, high plasticity, soft, moist, slight iron-oxide staining, homogeneous, trace mica (~5%), cohesive							
			Borehole terminated at 40 feet bgs.							
40										
45										
50										

← Hydrated No.8 Bentonite

DEFINITION OF TERMS

PRIMARY DIVISIONS		GRAPHIC SYMBOL	GROUP SYMBOL	SECONDARY DIVISIONS		
COARSE GRAINED SOILS More Than Half Of Material Is Larger Than No. 200 Sieve Size	GRAVELS More Than Half Of Coarse Fraction Is Larger Than No. 4 Sieve	Clean Gravels (Less Than 5% Fines)		GW	Well graded gravels, gravel-sand mixtures, little or no fines.	
		Gravel With Fines		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.	
				GM	Silty gravels, gravel-sand-clay mixtures, non-plastic fines.	
				GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.	
	SANDS More Than Half Of Coarse Fraction Is Smaller Than No. 4 Sieve	Clean Sands (Less Than 5% Fines)		SW	Well graded sands or gravelly sands, little or no fines.	
				SP	Poorly graded sands or gravelly sands, little or no fines.	
		Sands With Fines		SM	Silty sands, sand-silt mixtures, plastic fines.	
				SC	Clayey sands, sand-clay mixtures, plastic fines.	
			SILTS AND CLAYS Liquid Limit Is Less Than 50%		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
					CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
SILTS AND CLAYS Liquid Limit Is Greater Than 50%		OL	Organic silts and organic silty clays of low plasticity.			
		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.			
		CH	Inorganic clays of high plasticity, fat clays.			
		OH	Organic clays of medium to high plasticity, organic silts.			
HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils.		



GRAPHIC SYMBOL	Description
	GP-GC - Poorly graded Gravel with Clay
	GW-GM - Well graded Gravel with Silt
	OLSH - High plasticity organic Clay or Silt with shells
	SM-SC - Silty Sand with Clay
	SP-SM - Poorly graded Sand with Silt
	SW-SC - Well graded Sand with Clay
	SW-SM - Well graded Sand with Silt
	Basalt
	Bedrock
	Boulders and Cobbles or Conglomerate
	Breccia
	Chalk
	Claystone
	Coal
	Concrete
	Coral
	Decomposed Granite

GRAPHIC SYMBOL	Description
	Fill
	Gypsum
	Igneous
	Limestone
	Metamorphic
	Sandstone
	Shale
	Siltstone
	Till
	Top Soil



GRAIN SIZES

U.S. Standard Series Sieve				Clear Square Sieve Openings			
200	40	10	4	3/4"	3"	12"	
SILT and CLAYS	SAND			GRAVEL		COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sand and Gravels	Blows/Foot [†]
Very Loose	0 - 4
Loose	5-10
Medium Dense	11-30
Dense	31-50
Very Dense	Over 50

CONSISTENCY

Silt and Clays	Strength ‡	Blows/Foot [†]
Very Soft	0 - 1/4	0 - 2
Soft	1/4 - 1/2	2 - 4
Firm	1/2 - 1	4 - 8
Stiff	1 - 2	8 - 16
Very Stiff	2 - 4	16 - 32
Hard	Over 4	Over 32

GRAIN SIZE DISTRIBUTION

Term	Criteria	Description
Trace	0 - 5%	Minor fractions for both fine- and coarse-grained materials
Little	6 - 10%	Minor fractions for both fine- and coarse-grained materials
Some	11 - 15%	Minor fractions for fine-grained materials
With	16 - 25%	Minor fractions for fine-grained materials
"-y"	26 - 49%	Suffix for minor fractions for only fine-grained material, e.g., silty

ROCK HARDNESS / STRENGTH

Descriptor	Criteria
Extremely Hard	Core, Fragment, or exposure cannot be scratched with knife or sharp pick; can only be chipped with repeated heavy hammer blows.
Very Hard	Cannot be scratched with knife or sharp pick. Core or fragment breaks with repeated hammer blows.
Hard	Can be scratched with knife or sharp pick with difficulty (heavy pressure). Heavy hammer blow required to break specimen.
Moderately Hard	Can be scratched with knife or sharp pick with light or moderate pressure. Core or fragment breaks with moderate hammer blow
Moderately Soft	Can be grooved 1/16 inch (2 mm) deep by knife or sharp pick with moderate or heavy pressure. Core or fragment breaks with light hammer blow or heavy manual pressure.
Soft	Can be grooved or gouged easily by knife or sharp pick with light pressure, can be scratched with fingernail. Breaks with light to moderate manual pressure.
Very Soft	Can be readily indented, grooved or gouged with fingernail, or carved with a knife. Breaks with light manual pressure.

† Number of blows of 140 pound hammer falling approximately 30 inches to drive a 2 inch O.D. (1-3/8 inch I.D.) standard penetration test (SPT) split spoon (ASTM D-2488).

‡ Unconfined compressive strength in tons/sq.ft. as determined by laboratory testing or approximated by the standard penetration test (ASTM D-2488), pocket penetrometer, torvane, or visual observation.

Graphic Log Symbols

	Liquid-Phase Hydrocarbons/ Phase Separated Hydrocarbons
	Split-Spoon Interval
	Direct-Push
	Auger
	Hand Auger
	Continuous Core
	Sample
	Grab Sample
	1/8-inch Nylon Tube
	Perforated Sample Tip
	Ground Water (Initial)
	Ground Water (Static)

Well Design Symbol

Centralizer

Abbreviations Used

Abnd	Abandoned
A/C	Asphalt/Concrete
MSL	Mean Sea Level
Bent	Bentonite
bgs	Below Ground Surface
dia	Diameter
'	Feet
"	Inches
lb	Pound
LPH	Liquid-Phase Hydrocarbons
PSH	Phase Separated Hydrocarbons
GW	Groundwater
HC	Hydrocarbon
ID	Interior Diameter
mod	Moderate
med	Medium
mod	Moderate
NA	Not Applicable
NE	Not Encountered
NM	Not Measured
NR, -	Not Recorded

Well Design Fill Patterns

	Asphalt
	Concrete
	Concrete Slurry
	Bentonite Chips
	Bentonite Pellets
	Bentonite Grout
	Sand
	Soil Cuttings
	Screened Interval



BOREHOLE/WELL LOG LEGEND

ATTACHMENT C

**SOIL SAMPLE LABORATORY ANALYTICAL REPORT
AND CHAIN-OF-CUSTODY DOCUMENTATION**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-168030-1

Client Project/Site: Proposed 7-Eleven #1043505 (38680)

For:

Stantec Consulting Corp.
9665 Granite Ridge Drive
Suite 220
San Diego, California 92123

Attn: Pat McConnell



Authorized for release by:
2/11/2019 6:02:36 PM

Jimmy Huckaba, Project Manager I
(615)301-5746
jimmy.huckaba@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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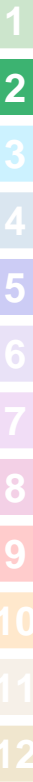


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QC Sample Results	12
QC Association	15
Chronicle	16
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Certification Summary	19
Chain of Custody	20

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-168030-4	SB-1-20	Solid	02/01/19 08:02	02/06/19 09:10
490-168030-8	SB-1-40	Solid	02/01/19 08:52	02/06/19 09:10
490-168030-16	SB-2-40	Solid	02/01/19 11:30	02/06/19 09:10
490-168030-24	SB-3-40	Solid	02/01/19 13:08	02/06/19 09:10
490-168030-32	SB-4-40	Solid	02/01/19 14:53	02/06/19 09:10
490-168030-40	SB-5-40	Solid	02/01/19 16:31	02/06/19 09:10

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Case Narrative

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Job ID: 490-168030-1

Laboratory: TestAmerica Nashville

Narrative

**Job Narrative
490-168030-1**

Comments

No additional comments.

Receipt

The samples were received on 2/6/2019 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-1-20

Date Collected: 02/01/19 08:02

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-4

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00178		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Toluene	ND		0.00178		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Ethylbenzene	ND		0.00178		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Xylenes, Total	ND		0.00533		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Methyl tert-butyl ether	ND		0.00178		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Tert-amyl methyl ether	ND		0.00178		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
tert-Butyl alcohol (TBA)	ND		0.0444		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Diisopropyl ether	ND		0.00178		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Ethyl tert-butyl ether	ND		0.00444		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
GRO (C4-C12)	ND		0.0888		mg/Kg		02/07/19 09:52	02/07/19 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130				02/07/19 09:52	02/07/19 23:25	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/07/19 09:52	02/07/19 23:25	1
Dibromofluoromethane (Surr)	106		70 - 130				02/07/19 09:52	02/07/19 23:25	1
Toluene-d8 (Surr)	99		70 - 130				02/07/19 09:52	02/07/19 23:25	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-1-40

Date Collected: 02/01/19 08:52

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-8

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00189		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Toluene	ND		0.00189		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Ethylbenzene	ND		0.00189		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Xylenes, Total	ND		0.00567		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Methyl tert-butyl ether	ND		0.00189		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Tert-amyl methyl ether	ND		0.00189		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
tert-Butyl alcohol (TBA)	ND		0.0473		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Diisopropyl ether	ND		0.00189		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
Ethyl tert-butyl ether	ND		0.00473		mg/Kg		02/07/19 09:52	02/07/19 22:57	1
GRO (C4-C12)	ND		0.0945		mg/Kg		02/07/19 09:52	02/07/19 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	02/07/19 09:52	02/07/19 22:57	1
4-Bromofluorobenzene (Surr)	102		70 - 130	02/07/19 09:52	02/07/19 22:57	1
Dibromofluoromethane (Surr)	104		70 - 130	02/07/19 09:52	02/07/19 22:57	1
Toluene-d8 (Surr)	102		70 - 130	02/07/19 09:52	02/07/19 22:57	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-2-40

Date Collected: 02/01/19 11:30

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-16

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00181		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Toluene	ND		0.00181		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Ethylbenzene	ND		0.00181		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Xylenes, Total	ND		0.00542		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Methyl tert-butyl ether	ND		0.00181		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Tert-amyl methyl ether	ND		0.00181		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
tert-Butyl alcohol (TBA)	ND		0.0451		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Diisopropyl ether	ND		0.00181		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
Ethyl tert-butyl ether	ND		0.00451		mg/Kg		02/07/19 09:52	02/07/19 22:28	1
GRO (C4-C12)	ND		0.0903		mg/Kg		02/07/19 09:52	02/07/19 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	02/07/19 09:52	02/07/19 22:28	1
4-Bromofluorobenzene (Surr)	104		70 - 130	02/07/19 09:52	02/07/19 22:28	1
Dibromofluoromethane (Surr)	102		70 - 130	02/07/19 09:52	02/07/19 22:28	1
Toluene-d8 (Surr)	101		70 - 130	02/07/19 09:52	02/07/19 22:28	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-3-40

Date Collected: 02/01/19 13:08

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-24

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00180		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Toluene	ND		0.00180		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Ethylbenzene	ND		0.00180		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Xylenes, Total	ND		0.00540		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Methyl tert-butyl ether	ND		0.00180		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Tert-amyl methyl ether	ND		0.00180		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
tert-Butyl alcohol (TBA)	ND		0.0450		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Diisopropyl ether	ND		0.00180		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Ethyl tert-butyl ether	ND		0.00450		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
GRO (C4-C12)	ND		0.0899		mg/Kg		02/07/19 09:52	02/07/19 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130				02/07/19 09:52	02/07/19 21:59	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/07/19 09:52	02/07/19 21:59	1
Dibromofluoromethane (Surr)	102		70 - 130				02/07/19 09:52	02/07/19 21:59	1
Toluene-d8 (Surr)	100		70 - 130				02/07/19 09:52	02/07/19 21:59	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-4-40

Date Collected: 02/01/19 14:53

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-32

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00197		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Toluene	ND		0.00197		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Ethylbenzene	ND		0.00197		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Xylenes, Total	ND		0.00591		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Methyl tert-butyl ether	ND		0.00197		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Tert-amyl methyl ether	ND		0.00197		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
tert-Butyl alcohol (TBA)	ND		0.0492		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Diisopropyl ether	ND		0.00197		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Ethyl tert-butyl ether	ND		0.00492		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
GRO (C4-C12)	ND		0.0984		mg/Kg		02/07/19 09:52	02/07/19 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130				02/07/19 09:52	02/07/19 21:30	1
4-Bromofluorobenzene (Surr)	102		70 - 130				02/07/19 09:52	02/07/19 21:30	1
Dibromofluoromethane (Surr)	105		70 - 130				02/07/19 09:52	02/07/19 21:30	1
Toluene-d8 (Surr)	99		70 - 130				02/07/19 09:52	02/07/19 21:30	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-5-40

Date Collected: 02/01/19 16:31

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-40

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00172		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Toluene	ND		0.00172		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Ethylbenzene	ND		0.00172		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Xylenes, Total	ND		0.00517		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Methyl tert-butyl ether	ND		0.00172		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Tert-amyl methyl ether	ND		0.00172		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
tert-Butyl alcohol (TBA)	ND		0.0431		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Diisopropyl ether	ND		0.00172		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Ethyl tert-butyl ether	ND		0.00431		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
GRO (C4-C12)	ND		0.0862		mg/Kg		02/07/19 09:52	02/07/19 21:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130				02/07/19 09:52	02/07/19 21:02	1
4-Bromofluorobenzene (Surr)	103		70 - 130				02/07/19 09:52	02/07/19 21:02	1
Dibromofluoromethane (Surr)	104		70 - 130				02/07/19 09:52	02/07/19 21:02	1
Toluene-d8 (Surr)	99		70 - 130				02/07/19 09:52	02/07/19 21:02	1

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-574088/1-A
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Toluene	ND		0.00200		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Ethylbenzene	ND		0.00200		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Xylenes, Total	ND		0.00600		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Tert-amyl methyl ether	ND		0.00200		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
tert-Butyl alcohol (TBA)	ND		0.0500		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Diisopropyl ether	ND		0.00200		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
Ethyl tert-butyl ether	ND		0.00500		mg/Kg		02/07/19 09:51	02/07/19 20:33	1
GRO (C4-C12)	ND		0.100		mg/Kg		02/07/19 09:51	02/07/19 20:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	02/07/19 09:51	02/07/19 20:33	1
4-Bromofluorobenzene (Surr)	103		70 - 130	02/07/19 09:51	02/07/19 20:33	1
Dibromofluoromethane (Surr)	101		70 - 130	02/07/19 09:51	02/07/19 20:33	1
Toluene-d8 (Surr)	102		70 - 130	02/07/19 09:51	02/07/19 20:33	1

Lab Sample ID: LCS 490-574088/2-A
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.05087		mg/Kg		102	70 - 130
Toluene	0.0500	0.05021		mg/Kg		100	70 - 130
Ethylbenzene	0.0500	0.05029		mg/Kg		101	70 - 130
Xylenes, Total	0.100	0.1007		mg/Kg		101	70 - 130
Methyl tert-butyl ether	0.0500	0.04509		mg/Kg		90	54 - 145
Tert-amyl methyl ether	0.0500	0.03930		mg/Kg		79	10 - 150
tert-Butyl alcohol (TBA)	0.500	0.4942		mg/Kg		99	10 - 150
Diisopropyl ether	0.0500	0.05875		mg/Kg		118	68 - 134
Ethyl tert-butyl ether	0.0500	0.04622		mg/Kg		92	19 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 490-574088/3-A
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 574088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05145		mg/Kg		103	70 - 130	1	37
Toluene	0.0500	0.05170		mg/Kg		103	70 - 130	3	40
Ethylbenzene	0.0500	0.05141		mg/Kg		103	70 - 130	2	38
Xylenes, Total	0.100	0.1035		mg/Kg		104	70 - 130	3	38

TestAmerica Nashville

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-574088/3-A
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 574088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.0500	0.04609		mg/Kg		92	54 - 145	2	36
Tert-amyl methyl ether	0.0500	0.04016		mg/Kg		80	10 - 150	2	50
tert-Butyl alcohol (TBA)	0.500	0.4902		mg/Kg		98	10 - 150	1	50
Diisopropyl ether	0.0500	0.05967		mg/Kg		119	68 - 134	2	36
Ethyl tert-butyl ether	0.0500	0.04716		mg/Kg		94	19 - 150	2	37

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 490-168030-40 MS
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: SB-5-40
Prep Type: Total/NA
Prep Batch: 574088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0459	0.03014		mg/Kg		66	21 - 150
Toluene	ND		0.0459	0.02885		mg/Kg		63	17 - 150
Ethylbenzene	ND		0.0459	0.02664		mg/Kg		58	10 - 150
Xylenes, Total	ND		0.0917	0.04905		mg/Kg		53	10 - 150
Methyl tert-butyl ether	ND		0.0459	0.01606		mg/Kg		35	10 - 150
Tert-amyl methyl ether	ND		0.0459	0.01399		mg/Kg		30	10 - 150
tert-Butyl alcohol (TBA)	ND		0.459	0.2400		mg/Kg		52	10 - 150
Diisopropyl ether	ND		0.0459	0.02632		mg/Kg		57	27 - 144
Ethyl tert-butyl ether	ND		0.0459	0.01755		mg/Kg		38	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: 490-168030-40 MSD
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: SB-5-40
Prep Type: Total/NA
Prep Batch: 574088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0445	0.03144		mg/Kg		71	21 - 150	4	50
Toluene	ND		0.0445	0.02918		mg/Kg		66	17 - 150	1	50
Ethylbenzene	ND		0.0445	0.02584		mg/Kg		58	10 - 150	3	50
Xylenes, Total	ND		0.0890	0.04820		mg/Kg		54	10 - 150	2	50
Methyl tert-butyl ether	ND		0.0445	0.01844		mg/Kg		41	10 - 150	14	50
Tert-amyl methyl ether	ND		0.0445	0.01477		mg/Kg		33	10 - 150	5	50
tert-Butyl alcohol (TBA)	ND		0.445	0.2365		mg/Kg		53	10 - 150	1	50
Diisopropyl ether	ND		0.0445	0.02928		mg/Kg		66	27 - 144	11	50
Ethyl tert-butyl ether	ND		0.0445	0.01985		mg/Kg		45	10 - 150	12	50

TestAmerica Nashville

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-168030-40 MSD
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: SB-5-40
Prep Type: Total/NA
Prep Batch: 574088

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCS 490-574250/7
Matrix: Solid
Analysis Batch: 574250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	2.00	2.485		mg/Kg		124	48 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	102		70 - 130

QC Association Summary

Client: Stantec Consulting Corp.
 Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

GC/MS VOA

Prep Batch: 574088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-168030-4	SB-1-20	Total/NA	Solid	5030B	
490-168030-8	SB-1-40	Total/NA	Solid	5030B	
490-168030-16	SB-2-40	Total/NA	Solid	5030B	
490-168030-24	SB-3-40	Total/NA	Solid	5030B	
490-168030-32	SB-4-40	Total/NA	Solid	5030B	
490-168030-40	SB-5-40	Total/NA	Solid	5030B	
MB 490-574088/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 490-574088/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-574088/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
490-168030-40 MS	SB-5-40	Total/NA	Solid	5030B	
490-168030-40 MSD	SB-5-40	Total/NA	Solid	5030B	

Analysis Batch: 574250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-168030-4	SB-1-20	Total/NA	Solid	8260B	574088
490-168030-8	SB-1-40	Total/NA	Solid	8260B	574088
490-168030-16	SB-2-40	Total/NA	Solid	8260B	574088
490-168030-24	SB-3-40	Total/NA	Solid	8260B	574088
490-168030-32	SB-4-40	Total/NA	Solid	8260B	574088
490-168030-40	SB-5-40	Total/NA	Solid	8260B	574088
MB 490-574088/1-A	Method Blank	Total/NA	Solid	8260B	574088
LCS 490-574088/2-A	Lab Control Sample	Total/NA	Solid	8260B	574088
LCS 490-574250/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-574088/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	574088
490-168030-40 MS	SB-5-40	Total/NA	Solid	8260B	574088
490-168030-40 MSD	SB-5-40	Total/NA	Solid	8260B	574088

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Client Sample ID: SB-1-20

Date Collected: 02/01/19 08:02

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.63 g	5.0 mL	574088	02/07/19 09:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	574250	02/07/19 23:25	S1S	TAL NSH

Client Sample ID: SB-1-40

Date Collected: 02/01/19 08:52

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.29 g	5.0 mL	574088	02/07/19 09:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	574250	02/07/19 22:57	S1S	TAL NSH

Client Sample ID: SB-2-40

Date Collected: 02/01/19 11:30

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.54 g	5.0 mL	574088	02/07/19 09:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	574250	02/07/19 22:28	S1S	TAL NSH

Client Sample ID: SB-3-40

Date Collected: 02/01/19 13:08

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.56 g	5.0 mL	574088	02/07/19 09:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	574250	02/07/19 21:59	S1S	TAL NSH

Client Sample ID: SB-4-40

Date Collected: 02/01/19 14:53

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.08 g	5.0 mL	574088	02/07/19 09:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	574250	02/07/19 21:30	S1S	TAL NSH

Client Sample ID: SB-5-40

Date Collected: 02/01/19 16:31

Date Received: 02/06/19 09:10

Lab Sample ID: 490-168030-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.80 g	5.0 mL	574088	02/07/19 09:52	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	574250	02/07/19 21:02	S1S	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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Method Summary

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
5030B	Purge and Trap	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Project/Site: Proposed 7-Eleven #1043505 (38680)

TestAmerica Job ID: 490-168030-1

Laboratory: TestAmerica Nashville

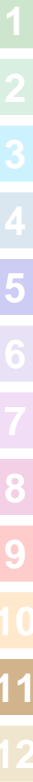
Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2938	06-30-19 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B	5030B	Solid	Diisopropyl ether

* Accreditation/Certification renewal pending - accreditation/certification considered valid.



COOLER RECEIPT FORM



490-168030 Chain of Custody

Cooler Received/Opened On 2/6/2019 @ 9:10

Time Samples Removed From Cooler 1600 Time Samples Placed In Storage 1624 (2 Hour Window)

1. Tracking # 0579 (last 4 digits, FedEx) Courier: Fedex

IR Gun ID 31470368 pH Strip Lot / Chlorine Strip Lot /

2. Temperature of rep. sample or temp blank when opened: 17 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) ACB

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: -Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) TR

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) TR

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) TR

I certify that I attached a label with the unique LIMS number to each container (initial) TR

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO..# _____

Chain of Custody Record

Client Information			Sampler			Lab PM:			Carrier Tracking No(s):		
Client Contact: Pat McConnell			Garrett Pankratz			Jimmy Huckaba			COC No:		
Company: Stantec Consulting Services Inc			Phone: (562) 537-7368			E-Mail: jimmy.huckaba@testamerica.com			Page: 1 of 4		
Address: 9665 Granite Ridge Drive, Suite 220			City: San Diego			State, Zip: CA, 92123			Job #:		
Phone: 858-633-4222			PO #: NON ENFOS; Invoice Stantec AP/loc P. McConnell			WO #:			Due Date Requested:		
Email: Pat.McConnell@stantec.com			Project #: 185650736.800			SSOW#:			TAT Requested (days):		
Proposed 7-Eleven #1043505 (38680)			110 West Imperial Highway, Los Angeles, CA						Standard 5 business days		
Site:			Sample Date			Sample Time			Sample Type (C=Comp, G=grab)		
Sample Identification			Sample Date			Sample Time			Sample Type (C=Comp, G=grab)		
SB-1-5			2/1/19			7:53			G		
SB-1-10						7:54			G		
SB-1-15						7:57			G		
SB-1-20						8:02			G		
SB-1-25						8:07			G		
SB-1-30						8:20			G		
SB-1-35						8:44			G		
SB-1-40						8:52			G		
SB-2-5						10:12			G		
SB-2-10						10:13			G		
SB-2-15						10:15			G		
SB-2-20						10:18			G		
Possible Hazard Identification			<input type="checkbox"/> Non-Hazard			<input type="checkbox"/> Flammable			<input type="checkbox"/> Skin Irritant		
Deliverable Requested: I, II, III, IV, Other (specify)			<input type="checkbox"/> Poison B			<input type="checkbox"/> Unknown			<input type="checkbox"/> Radiological		
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:		
Relinquished by: Garrett Pankratz			2/1/19			18:00			Company: STANTEC		
Relinquished by:			Date/Time:			Date/Time:			Company:		
Relinquished by: [Signature]			2/4/19			17:17			Company: TAREV		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: (1.7) 1.7 / 1.2 E-99			Company: TA-WAS		
Analysis Requested			Total Number of Containers			TPH/BTEX/MTBE/Oxys (8260)			Field Filtered Sample (Yes or No)		
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AshNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)			1			1			N		
Special Instructions/Note: Hold = Hold Sample X = Lab Sample Analysis			1			Hold			N		
Loc: 490 168030			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		
1			1			Hold			N		



Chain of Custody Record

Client Information		Lab P.M.: Jimmy Huckaba		Carrier Tracking No(s):	
Company: Stantec Consulting Services Inc		Garrett Pankratz		COC No:	
Address: 9665 Granite Ridge Drive, Suite 220		Phone: (562) 537-7388		Page: 2 of 4	
City: San Diego		E-Mail: Jimmy.Huckaba@testamerica.com		Job #:	
State, Zip: CA, 92123		Due Date Requested:		Analysis Requested	
Phone: 858-633-4222		IAT Requested (days):		Total Number of containers	
Email: Pat.McConnell@stantec.com		Standard 5 business days		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project Name: Proposed 7-Eleven #1043505 (38680)		PO #: NON ENFOS; Invoice Stantec AP/cc P.McConnell		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - ph 4-9 Z - other (specify)	
Site: 110 West Imperial Highway, Los Angeles, CA		WO #: 185850736.800		Special Instructions/Note: Hold = Held Sample X = Lab Sample Analysis	
Sample Identification		Field Filtered Sample (Yes or No)		Special Instructions/Note:	
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=organic, I=Inorganic, A=air)	TPH/G/B/TEx/M/TB/E/Oxys (g/60)
SB-2-25	2/1/19	10:27	G	S	X
SB-2-30		10:49	G	S	N
SB-2-35		11:20	G	S	N
SB-2-40		11:30	G	S	N
SB-3-5		12:21	G	S	N
SB-3-10		12:22	G	S	N
SB-3-15		12:29	G	S	N
SB-3-20		12:34	G	S	N
SB-3-25		12:38	G	S	N
SB-3-30		12:47	G	S	N
SB-3-35		12:56	G	S	N
SB-3-40	V	13:08	G	S	N

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: Garrett Pankratz Date: 2/1/19 18:00 Company: STANTEC
 Relinquished by: _____ Date: _____ Company: _____
 Relinquished by: _____ Date: _____ Company: _____
 Relinquished by: _____ Date: _____ Company: _____

Custody Seal No.: _____
 Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks: 11.7 IR-94

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: NO EDF REQUIRED



Chain of Custody Record

Client Information		Lab PM: Jimmy Huckaba		Carrier Tracking No(s):		
Client Contact: Garrett Pankratz		E-Mail: Jimmy.Huckaba@testamericainc.com		COC No:		
Pat McConnell (562) 537-7368				Page: 1 of 3 of 4		
Company: Stantec Consulting Services Inc		Analysis Requested		Job #:		
Address: 9665 Granite Ridge Drive, Suite 220		Due Date Requested:		Preservation Codes:		
City: San Diego		TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
State, Zip: CA, 92123		Standard 5 business days		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		
Phone: 858-633-4222		NON ENFOS; Invoice Stantec AP/cc P. McConnell		Total Number of containers		
Email: Pat.McConnell@stantec.com		WO #:		Hold = Hold Sample X = Lab Sample Analysis		
Project Name: Proposed 7-Eleven #1043505 (38680)		Project #:		Special Instructions/Note:		
Site: 110 West Imperial Highway, Los Angeles, CA		SSOW#:				
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=volatile, G=grab)	Field Filtered Sample (Yes or No)	TPHG/BTEX/MTBE/Oxys (8260)
SB-4-5	2/1/19	14:09	G	S	X	1
SB-4-10		14:10	G	S	N	
SB-4-15		14:11	G	S	N	
SB-4-20		14:18	G	S	N	
SB-4-25		14:39	G	S	N	
SB-4-30		14:40	G	S	N	
SB-4-35		14:47	G	S	N	
SB-4-40		14:53	G	S	N	
SB-5-5		15:54	G	S	N	
SB-5-10		15:55	G	S	N	
SB-5-15		15:58	G	S	N	
SB-5-20		16:03	G	S	N	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)						
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: NO EDF REQUIRED						
Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____						
Relinquished by: Garrett Pankratz Date: 2/1/19 18:00 Company: STANTEC Relinquished by: _____ Date: _____ Company: _____ Relinquished by: _____ Date: 2/1/19 17:17 Company: TAMM Custody Seals Intact: <input type="checkbox"/> Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: 1-7/112 EX 99						



TestAmerica Nashville
 2960 Foster Creighton Drive
 Nashville, TN 37204
 Phone (615) 726-0177 Fax (615) 726-3404

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler:		Lab PM:	Carrier Tracking No(s):	COOC No:				
Client Contact: Pat McConnell		Garrett Pankratz		Jimmy Huckaba						
Company: Stantec Consulting Services Inc		Phone: (562) 537-7368		E-Mail: Jimmy.Huckaba@testamericainc.com						
Address: 9665 Granite Ridge Drive, Suite 220										
City: San Diego										
State, Zip: CA, 92123										
Phone: 858-633-4222										
Email: Pat.McConnell@stantec.com										
Project Name: Proposed 7-Eleven #1043505 (38680)										
Site: 110 West Imperial Highway, Los Angeles, CA										
Due Date Requested:		TAT Requested (days):		Analysis Requested						
Standard 5 business days		Standard 5 business days								
PO #:	NON ENFOS; Invoice Stantec AP/oc P. McConnell									
WO #:										
Project #:	185850736.800									
SSOW#:										
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, AS=air)	Field Filtered Sample (Yes or No)	Performance/MSD (Yes or No)	TPH/BTEX/MTBE/Oxys (g260)	Total Number of Containers	Preservation Codes:	Special Instructions/Notes:
SB-5-25	2/1/19	16:08	G	S	N	X	1	1	M - Hexane N - None O - Ash/NaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 X - EDTA L - EDA	Hold = Hold Sample X = Lab Sample Analysis Special Instructions/Notes:
SB-5-30		16:17	G	S	N	X	1	1		
SB-5-35		16:26	G	S	N	X	1	1		
SB-5-40		16:31	G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
			G	S	N	X	1	1		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)										
Empty Kit Relinquished by: _____ Date: _____ Time: _____										
Relinquished by: Garrett Pankratz Date: 2/1/19 18:00 Company: STANTEC										
Relinquished by: _____ Date: _____ Time: _____ Company: _____										
Relinquished by: _____ Date: 2/1/19 17:07 Company: STANTEC										
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No										
Cooler Temperature(s) °C/°F: 1.7/1.2 28.94										
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: NO EDF REQUIRED										

