Phase I

Phase I Environmental Site Assessment

Proposed 7-Eleven Store
#1042240
6211 Santa Teresa Road
San Jose, CA 95119

Prepared for:
7-Eleven, Inc.
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Project No.: 185850582

December 14, 2017

Sign-off Sheet and Signatures of Environmental Professionals

This document entitled 6211 Santa Teresa Road, San Jose, California, Phase I Environmental Site Assessment was prepared by Stantec Consulting Services Inc. (Stantec) for the account of 7-Eleven, Inc. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

Author _____
(signature)

Anuya Sawant, E.I.T.
Engineer in Training

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Quality Reviewer _____
(signature)

Steven Brady, C.E.G., C.HG.
Senior Principal

Independent Reviewer _____
(signature)

Patrick McConnell P.G.
Principal Geologist

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Abbreviations

AAI	All Appropriate Inquiry
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity Use Limitations
BAAQMD	Bay Area Air Quality Management District
bgs	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CRWQCB	California Regional Water Quality Control Board
DOGGR	Department of Conservation, Division of Oil, Gas & Geothermal Resources
DTSC	Department of Toxic Substances Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FOIA	Freedom of Information Act
ft amsl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
LUST	Leaking Underground Storage Tank
NPL	National Priorities List
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
TPHg	Total Petroleum Hydrocarbons as gasoline
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition

1.0 SUMMARY

Stantec has completed a Phase I Environmental Site Assessment (ESA) report of 6211 Santa Teresa Road, San Jose, California (the "Property"), on behalf of 7-Eleven (the "Client"). The work was performed according to Stantec's proposal and terms and conditions dated November 3, 2017 and accepted by the Client on November 11, 2017. 7-Eleven (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E1527-13, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3.

The Property is an approximately 21,140 square-foot parcel located at the southeast corner of Santa Teresa Boulevard and Cottle Road in the city of San Jose, California. The Property is currently an active gasoline service station with an auto repair shop/smog station and a convenience store. The station layout includes two 12,000-gallon gasoline underground storage tanks (USTs), one 10,000-gallon diesel UST, one 550-gallon used motor oil UST, one 500-gallon propane aboveground storage tank (AST) and four fuel dispensers. The auto repair shop/smog station includes four hydraulic lifts, antifreeze/coolants (used and unused), motor oil, lead acid batteries, and used gasoline filters in 55-gallon drums. The Property reportedly operated as a gas station since at least 1972, and was reportedly vacant prior to that. A Property Location Map is illustrated on Figure 1. A Property Vicinity Map illustrating the main features of the surrounding area and of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report.

This assessment has revealed the following recognized environmental conditions (RECs) in connection with the Property:

- The Property is currently operating as a gas station (2 gasoline USTs, 1 diesel UST and 1 waste oil UST) with an auto repair shop/smog station and a convenience store. During the site visit conducted by Stantec on November 14, 2017, Stantec observed a 55-gallon drum with used oil filters, a 40-gallon drum with used antifreeze, and two 5-gallon buckets with used gear oil. Minor oil staining was observed on the floor of the auto repair shop/smog station. An approximately 500-gallon propane AST was observed along the eastern boundary of the Property. The Property is listed on the EDR environmental databases RGA LUST, HAZNET, EDR Hist Auto, EMI, WDS, LUST, HIST LUST, HIST UST, CORTESE, ENF, HIST CORTESE, SAN JOSE AZMAT, FINDS, CHMIRS, SWEEPS UST, and CUPA. The Property is also listed on California Water Board's GeoTracker website as a leaking

underground storage tank (LUST) Cleanup Site with a status '*Completed-Case Closed as of 10/24/1991 (for soil) and 11/2/2015 (for soil and well used for drinking water supply)*'. According to the case closure letter dated November 2, 2015, residual contamination both in soil and groundwater remain at the Property which may pose a risk under certain site developments such as site grading, excavation, or installation of water wells. No leaks, or spills have been reported since the case closure in 2015. The current use of the Property as a gas station with auto repair shop/smog station and the reported presence of residual contamination is considered a REC.

Based on the preliminary findings of the Phase I ESA, a Phase II site assessment is recommended. If any assessment, excavation or grading activities will be performed on the Property, a notification to the County of Santa Clara Department of Environmental Health (DEH) is required.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM in "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify, to the extent feasible, adverse environmental conditions including recognized environmental conditions ("RECs") of the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

(1) Due to any release to the environment;

(2) Under conditions indicative of a release to the environment; or

(3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the Property, but has been addressed to the satisfaction of the applicable regulatory authority or meets unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health

and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

This ESA was conducted in accordance with our proposal to 7-Eleven, Inc. dated November 3, 2017 and Client's authorization on November 9, 2017. The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

(1) Information that is publicly available;

(2) Information that is obtainable from its source within reasonable time and cost constraints; and

(3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property is an approximately 21,140 square-foot parcel located at the southeast corner of Santa Teresa Boulevard and Cottle Road in the city of San Jose, California. The Property is currently an active gasoline service station with an auto repair shop/smog station and a convenience store. The station layout includes two 12,000-gallon gasoline underground storage tanks (USTs), one 10,000-gallon diesel UST, one 550-gallon used motor oil UST, one 500-gallon propane aboveground storage tank (AST) and four fuel dispensers. The auto repair shop/smog station includes four hydraulic lifts, antifreeze/coolants (used and unused), motor oil, lead acid batteries, and used gasoline filters in 55-gallon drums. The Property reportedly operated as a gas station since at least 1972, and was reportedly vacant prior to that. A Property Location Map is illustrated on Figure 1. A Property Vicinity Map illustrating the main features of the surrounding area and of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with the Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided and given the schedule and budget constraints established by the Client. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the identified Property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the Property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the Client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

If a service is not expressly indicated, do not assume it has been provided. If a matter is not addressed, do not assume that any determination has been made by Stantec in regards to it.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report, and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the Property's environmental condition.

The Client did not provide or contract Stantec to provide recorded title records or search results for environmental liens or activity and use limitations encumbering the Property or in connection with the Property. Stantec did not conduct interviews as part of this assessment. However, the owner provided access, and information regarding the prior use of the Property. These data failures represent data gaps; however, these data gaps are not considered significant. Based on the information obtained during the course of this ESA and general knowledge of development at and near the Property, the absence of this information did not affect the ability of the Environmental Professionals to identify RECs, HRECs, CRECs, or *de minimis* conditions.

This report relates solely to the specific project for which Stantec was retained and the stated purpose for which this report was prepared and shall not be used or relied upon by the Client identified herein for any variation or extension of this project, any other project or any other purpose.

This report has been prepared for the exclusive use of the Client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's

standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Project-specific limiting conditions are provided in Section 2.2.

The locations of any utilities, buildings and structures, and Property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures must be confirmed by the Client and Stantec assumes no liability resulting from damage to such utilities and structures.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. As the purpose of this report is to identify selected site conditions which may pose an environmental risk, the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment. The findings, observations, and conclusions expressed by Stantec in this report are not an opinion concerning the compliance of any past or present owner or operator of the site which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of Federal, state, provincial or local governmental agencies. Issues raised by the report should be reviewed by Client legal counsel.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the Property subsequently change.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.

3.0 USER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	The user provided Property contact information and information on intended use.
Environmental Liens or Activity Use Limitations (AULs)	No	The user reportedly does not possess any of these documents. A lien search and AULs were not included in the scope of work.
Previous Environmental Permits or Reports Provided by User	No	The user reportedly does not possess any of these documents.
Purpose of the Phase I ESA	Yes	Property transaction.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections.

Topography:	The U.S. Geological Survey (USGS) 7.5-minute topographic map of Santa Teresa Hills and San Jose East, California Quadrangle (2012) was reviewed. The Property is depicted at an elevation of approximately 187 feet above mean sea level (ft. amsl) with a topographical gradient generally to the northwest.
Soil/Bedrock Data:	The Property geology is comprised of interbedded and discontinuous clay, silt, and sand units in the upper 30 feet below ground surface (bgs). A confining unit comprised primarily of clay and silt is present to approximately 50 feet bgs. A lower, regional confined aquifer consisting of sand and gravel with isolated clay and silt lenses is present below 50 feet bgs (Delta, 2009).
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	According to the second quarter 2011 groundwater monitoring report for the Property, the depth to groundwater ranged from approximately 17.39 to 20.57 feet bgs with the flow direction predominantly to the northwest (Antea, 2011).

4.1.1 Property Topography and Surface Water Flow

The Property is located at approximately 187 ft. amsl. The Property is located approximately 700 feet northeast of Canoas Creek. Based on the topography, the groundwater flow direction appears to be to the northwest.

4.1.2 Regional and Property Geology

The Property lies within the Santa Clara Valley, a structural trough parallel to the northwest trending Coast Ranges. Th valley is filled by alluvium derived from the Santa Cruz Mountains to the west, and the Diablo Range to the east. Alluvial deposits extend to depths greater than

1,500 feet in places. Alluvium deposited primarily as alluvial fans consists of complexly interlayered sand, gravel, silt and clay (DWR, 2003).

The Property geology is comprised of interbedded and discontinuous clay, silt, and sand units in the upper 30 feet bgs. A confining unit comprised primarily of clay and silt is present to approximately 50 feet bgs. A lower, regional confined aquifer consisting of sand and gravel with isolated clay and silt lenses is present below 50 feet bgs (Delta, 2009).

4.1.3 Regional and Property Hydrogeology

The Property lies within the Santa Clara Valley groundwater basin, Santa Clara subbasin. The valley alluvium is the most important water bearing unit in the Santa Clara subbasin, and nearly all large production wells derive their waste from permeable zones within the alluvium (DWR, Bulletin 118, 2004). Regionally, groundwater flow is typically toward the center of the valley followed by north-northwest toward San Francisco Bay. Local perched groundwater conditions are variably encountered throughout the valley due to complex interlayering of alluvial material. Perched groundwater flow in the Property area is anticipated to be southwest, toward the nearby Canoas Creek (Delta 2009).

According to the second quarter 2011 groundwater monitoring report of the Property, the depth to groundwater ranged from approximately 17.39 to 20.57 feet bgs with the flow direction predominantly to the northwest (Antea, 2011).

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from Environmental Data Resources (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix C.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred predominant shallow groundwater flow direction is likely to be to the northwest. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property. The Property was identified in the databases RGA LUST, HAZNET, EDR Hist Auto, EMI, WDS, LUST, HIST LUST, HIST UST, CORTESE, ENF, HIST CORTESE, SAN JOSE AZMAT, FINDS, CHMIRS, SWEEPS UST, and CUPA. The Property was also listed on California Water Board's GeoTracker website as a LUST Cleanup Site with status '*Completed-Case Closed as of 10/24/1991 (for soil only) and 11/2/2015*

(for soil and well used for drinking water supply)'. The Property has been reportedly characterized adequately through several phases of soil and groundwater investigations. Groundwater monitoring was conducted from 1998 through 2011. According to the case closure letter dated November 2, 2015, residual contamination both in soil (confined to depth of 15 feet bgs) and groundwater remain at the Property which may pose a risk under certain site developments such as site grading, excavation, or installation of water wells. The current use of the Property as a gas station with auto repair shop/smog station and presence of residual contamination is considered a REC. Due to the former release, the Property meets the definition of a potential vapor encroachment condition (VEC).

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec also assessed data presented in the environmental agency database search report to evaluate the potential for conditions at the nearby sites to pose a potential vapor encroachment condition (VEC), REC, CREC, or HREC for the Property.

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the Property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Chevron gas station #90038 - 6096 Cottle Road/6090 Cottle Road	LUST, HIST LUST, SWEEPS UST, CUPA Listings, SAN JOSE HAZMAT, HIST UST, UST, HIST CORTESE, EDR Hist Auto, RCRA-SQG, FINDS, and ECHO	Northeast across intersection of Cottle Road/Santa Teresa Boulevard; higher elevation	No
The adjacent site beyond intersection of Santa Teresa Boulevard and Cottle Road has been occupied by a gas station, auto repair shop and a convenient store since at least 1974. The site was also listed on California Water Board's GeoTracker website as a LUST Cleanup Site with status *'Completed-Case Closed as of 9/25/2007'*. Due to the proximity and release this site meets the definition of a potential VEC as defined by ASTM E2600-15. However, due to remedial actions conducted, age of release, and agency closure, this site is not considered a REC for the Property.			
Rite Aid #5983 - 6215 Santa Teresa Boulevard	RCRA-CESQG, CUPA Listings, HAZNET, and SAN JOSE HAZMAT	260 feet southeast of the Property; higher elevation	No
This nearby site is listed on the EDR environmental databases as a small quantity generator of hazardous pharmaceutical, ignitable, and corrosive wastes. Since no violations were reported for this site, it does not represent a REC for the Property.			
Santa Teresa Cleaner – 6193 Santa Teresa Boulevard	EDR Hist cleaners	385 feet west of the Property	No
This nearby site is listed on the EDR environmental database as a dry cleaning facility operating from at least 1986 to 2014. Since no violations were reported for this site, it does not represent a REC for the Property.			

The remaining listings in the database search report do not constitute a potential REC for the Property. The entire database search report is provided as Appendix C.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

4.3.1 Local City Records

Agency Name, Contact Information	Findings
City of San Jose Via website November 9, 2017 www.sjpermits.org	Below is the brief description of select permits for the Property: • 10/27/1994: replace islands & dispensers • 2/7/1996: installation of above ground propane resale tank • 2/13/1998: Unocal service station - 8 soil borings • 3/11/1998: Unocal service station - install 4 monitoring wells • 3/30/1998: Unocal service station - 5 soil borings • 5/27/1998: Install temp. Groundwater remed. System • 7/14/1998 install storm sewer • 9/3/1998: 76 service station - 3 soil borings and 2 monitoring wells • 7/27/2000: Install one detached freestanding monument display- 76 • 9/17/2002: Spill bucket change out • 9/28/2005: Repair of 6 monitoring wells • 5/22/2006: Sign permit adjustment to replace one existing freestanding sign with a new freestanding sign 25.1 square feet in size for an existing 76 station • 3/16/2007: Destroy (6) monitoring wells: MW # 10, 13, 17, 18, 19 & 25. • 6/26/2009: Permit adjustment to allow installation of a Veeder root canister (evr2 equipment) on the existing vent stack at a gasoline service station • 2/19/2015: Removal of 3 monitoring wells on Cottle road (southbound) approx. 250 feet south of Santa Teresa Blvd All permit listings are included in Appendix D.

4.3.2 Local Environmental Department Records

<table>
<tr><th>Agency Name, Contact Information</th><th>Findings</th></tr>
<tr><td>Bay Area Air Quality Management District (BAAQMD)
https://cwp-baaqmd.secureprtportal.com/
November 9, 2017</td><td>A written request subject to the FOIA was submitted to the BAAQMD Office to review their files regarding the Property (Appendix D). BAAQMD provided the Permit to Operate a gasoline dispensing operation including two 12,000-gallon gasoline USTs and one 10,000 diesel UST. The Facility ID provided for the Property is 111123 and the permit expiration date is October 1, 2018.</td></tr>
<tr><td>Custodian of Records
Department of Toxic Substances Control
Sacramento Regional Office
Via facsimile (916) 255-3785
November 9, 2017
https://www.envirostor.dtsc.ca.gov/public/</td><td>A written request subject to the FOIA was submitted to the Sacramento Regional Office of the DTSC to review their files regarding the Property (Appendix D). DTSC confirmed via telephonic conversation that no files associated with the Property were available. The Property is not listed on the DTSC's EnviroStor website.</td></tr>
<tr><td>County of Santa Clara
Department of Environmental Health (DEH)

Via email:
melissa.belloso@cep.sccgov.org
November 9, 2017</td><td>A written request subject to the FOIA was submitted to the County of Santa Clara DEH to provide files associated with the Property (Appendix D). The information is summarized here:

<table>
<tr><th>Tank Size (gal)</th><th>Fuel</th><th>Single/Double Wall/Material</th><th>Mfg</th><th>Secondary Containment (Y/N)</th><th>Date installed</th></tr>
<tr><td>12,000</td><td>Regular Gasoline</td><td>Double - Fiberglass</td><td>Modern Welding</td><td>Y</td><td>Jan. 1990</td></tr>
<tr><td>12,000</td><td>Premium Gasoline</td><td>Double - Fiberglass</td><td>Modern Welding</td><td>Y</td><td>Jan. 1990</td></tr>
<tr><td>10,000</td><td>Diesel</td><td>Double - Fiberglass</td><td>Modern Welding</td><td>Y</td><td>Jan. 1990</td></tr>
<tr><td>550</td><td>Used Motor Oil</td><td>Double - Fiberglass</td><td>Modern Welding</td><td>Y</td><td>Jan. 1990</td></tr>
</table>

Violations reported during inspections included unlabeled drums, poor housekeeping, unsealed/open containers containing hazardous wastes, improper management if used oil filters, unsafe UST operation, failure to properly train employees, failure to maintain UST maintenance records, and illegal disposal of hazardous waste.

The Hazardous Materials and Wastes Inventory Matrix Report from 1/25/2017 indicated presence of propane, motor oil, used oil filters, used motor oil, regular unleaded gasoline, premium unleaded gasoline, diesel fuel no. 2, antifreeze/coolants, lead acid batteries, and used gasoline filters.</td></tr>
</table>

Agency Name, Contact Information	Findings
Custodian of Records San Francisco Bay Regional Water Quality Control Board Via email: mwong@waterboards.ca.gov November 9, 2017	A written request subject to the FOIA was submitted to the San Francisco Bay Regional Water Quality Control Board to review their files regarding the Property (Appendix D). A response was received via phone on November 13, 2017, indicating that all files associated with the Property were uploaded on California Waterboard's GeoTracker website.

Agency responses are included in Appendix D.

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property and Adjoining Properties
1939	1"=500'	The Property and adjacent properties to the east and south appear to be vacant and undeveloped. The adjacent and nearby properties to the north, northwest and west beyond Santa Teressa Boulevard and Cottle Road appear to be covered with orchards.
1948	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 1939 photograph.
1950	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 1948 photograph.
1956	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 1950 photograph.
1963	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 1956 photograph.
1968	1"=500'	The Property is still vacant and undeveloped. The adjacent property to the northwest beyond intersection of Santa Teresa Boulevard and Cottle Road appears to be developed for residential purposes. The nearby properties to the east and south also appear to be developed as residential.
1974	1"=500'	The Property appears to be developed as a gas station with a convenience store (different configuration). The adjacent properties to the east and south appear to be commercial. The property to the north across the intersection of Santa Teresa Boulevard and Cottle Road appears to be developed as a gas station (current Chevron gas station). The adjacent property to the west beyond Cottle Road appears to be vacant and undeveloped.

Year	Scale	Observations, Property and Adjoining Properties
1982	1"=500'	No significant changes to the Property and its vicinity to the north, east and south are apparent since the 1974 photograph. The adjacent and nearby properties to the west appear to be developed as commercial and residential.
1998	1"=500'	The Property appears to be in the current configuration (gas station with auto repair shop/smog station and convenience store). No significant changes to the surrounding area are apparent since the 1982 photograph.
2005	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 1998 photograph.
2006	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 2005 photograph.
2009	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 2006 photograph.
2010	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 2009 photograph.
2012	1"=500'	No significant changes to the Property or the surrounding area are apparent since the 2010 photograph.

Name of aerial photograph source: EDR

The aerial photographs are presented in Appendix E.

4.4.2 City Directories

Stantec retained EDR to research available reverse city directories for the Property, in approximately five year intervals. EDR searched business directories in five year intervals, if available, from 1922 to 2014. Information was reported for properties within 660 feet of the Property.

The following is a summary of Stantec's review of the city directory listings:

Property	Year	Listed Occupants
Property (6211 Santa Teresa Road)	2014	Los Gatos Unocal 76 Co
	2010	Los Gatos Unocal 76 Co
	2006	Santatrsa Union
	2000	Santatrsa unocal
	1996	Santa Teresa Unocal
	1991	Santa Teresa Unocal
	1986	Santa Teresa Union
	1985	Weaver R C Santa Teresa Union/South County Tire Service
	1975	Santa Teresa Union

Name of city directories and source: EDR Digital Archive, Haines Company, Inc., Pacific Bell, R.L. Polk Co.

The entire database search report is provided as Appendix E.

4.4.3 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec requested fire insurance maps from EDR. The Sanborn Map Report listed the Property as 'Unmapped Property' (Appendix E).

4.4.4 Historical Topographic Maps

Stantec reviewed historical topographic maps of Santa Teresa Hills, San Jose East, and Los Gatos created by the USGS, to help identify past Property usage and areas of potential environmental concern.

Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1916	1:48,000	No details regarding specific development of the Property were observed. Cottle Road and Santa Teresa Boulevard appear to be constructed. Two structures appear further south and west of the Property.
1919	1:62,500	No significant changes have occurred on the Property since 1916.
1940	1:62,500	No details regarding specific development of the Property were observed. The adjacent properties to the north and northwest and further south appear to be covered with orchards.
1943	1:62,500	No significant changes have occurred on the Property since 1940.
1947	1:50,000	No significant changes have occurred on the Property since 1943.
1953	1:24,000	No details regarding specific development of the Property were observed. Canoas Creek appears further southwest of the Property.
1968	1:24,000	No details regarding specific development of the Property were observed. The property to the northwest across the intersection of Cottle Road and Santa Teresa Boulevard appear to be developed as a residential area with a golf club further north.
1980	1:24,000	A commercial structure appears on the Property and on the adjacent property to the east, north (beyond intersection of Cottle Road and Santa Teresa Boulevard), and south. The adjacent property to the west still appears as an orchard. The surrounding properties appear to be developed as commercial/residential.

Year	Scale	Observations, Property and Adjoining Properties
2012	1:24,000	No details regarding specific development of the Property were observed.

Name of maps and source: EDR

4.4.5 Other Historical Sources

No other historical sources were reviewed.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Mr. Brian Branscum on November 14, 2017. Access to the Property was provided by Mr. Que Naderzad, Sam Uppal, the Property owner. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties. Photographs collected during the Property visit are included in Appendix A.

5.1 SITE RECONNAISSANCE METHODOLOGY

The Site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions that may indicate the presence of RECs. The Property reconnaissance was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.
- Traverse the periphery of all structures on the Property.
- Visually observe accessible interior areas expected to be used by occupants or the public, maintenance and repair areas, utility areas, and a representative sample of occupied spaces.

Weather conditions during the visit to the Property were clear and sunny. There were no weather-related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is an approximately 21,140 square-foot parcel located at the southeast corner of Santa Teresa Boulevard and Cottle Road in the city of San Jose, California. The Property is currently an active gasoline service station with an auto repair shop, smog station and a convenience store. The area consists of mixed commercial and residential property use.
Property Operations:	Active gas station with an auto repair shop/smog station and a convenience store.
Structures, Roads, Other Improvements:	The Property consists of a convenience store/smog station/auto repair shop building and a canopy structure for the gas station. The surface is paved with asphalt and concrete, with bare soil in landscaped areas.
Property Size (acres):	Approximately 0.49 acres.
Estimated % of Property Covered by Buildings and/or Pavement:	99%
Observed Current Property Use/Operations:	Active gas station with an auto repair shop/smog station and a convenience store.

Observed Evidence of Past Property Use(s):	None.
Sewage Disposal Method (and age):	City of San Jose.
Potable Water Source:	City of San Jose.
Electric Utility:	PG&E.

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	Motor oil, antifreeze/coolant, gear oil, and degreaser.
Drums (≥ 5 gallons):	• One 55-gallon drum with used oil filters • One 40-gallon drum with used antifreeze • Two 5-gallon buckets with used gear oil • Two 5-gallon metal barrel with racing fuel (reportedly empty)
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None detected.

5.4 INTERIOR OBSERVATIONS

Stantec made the following observations during the Property reconnaissance of the interior of the auto shop/smog station at the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
Heating/Cooling Method:	Heating and cooling units were observed on the roof of the Property building.
Surface Stains or Corrosion:	Minor oil stains were observed in the auto repair shop/smog station.
Other:	Three interior floor drains were observed in the restrooms of the auto repair shop/smog station.

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	None observed.
Solid Waste Disposal:	None observed.
Potential Areas of Fill Placement:	None observed.
Wastewater:	None observed.
Storm water:	Unknown.
Wells:	None observed.
Septic Systems:	None observed.
Other Exterior Observations:	None observed.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	Two 12,000-gallon gasoline USTs, one 10,000-gallon diesel UST, one 550-gallon used motor oil UST were present on the Property.
Former USTs:	No visible evidence of the former presence of USTs known to have been located at the Property in the past was discovered during this Phase I ESA.
Other Underground Structures:	None.

5.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	An approximately 500-gallon propane tank (reportedly out of order) was observed on the east side of the Property.
Former ASTs:	No visible evidence of the former presence of ASTs known to have been located at the Property in the past was discovered during this Phase I ESA.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	Chevron gas station (6096 Cottle Road) across Santa Teresa Boulevard.
SOUTH	Plaza De Santa Teresa Shopping Center.
EAST	Bank of West (6213 Santa Teresa Boulevard).
WEST	Subway restaurant (6199 Santa Teresa Boulevard) beyond Santa Teresa Boulevard.

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property area is relatively flat except a gentle slope mostly to north-northwest. The surrounding area is relatively flat.

6.0 INTERVIEWS

An owner interview was not reasonably ascertainable at the time of completion of this report.

7.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

7.1 FINDINGS AND OPINIONS

Information gathered from reviews of existing data and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: The Property is currently operating as a gas station (2 gasoline USTs, 1 diesel UST and 1 waste oil UST) with an auto repair shop/smog station and a convenience store. During site visit conducted by Stantec on November 14, 2017, Stantec observed a 55-gallon drum with used oil filters, a 40-gallon drum with used antifreeze, two 5-gallon buckets with used gear oil. Stantec also observed minor oil staining on the floor of the auto repair shop/smog station. The Property is listed on the EDR environmental databases RGA LUST, HAZNET, EDR Hist Auto, EMI, WDS, LUST, HIST LUST, HIST UST, CORTESE, ENF, HIST CORTESE, SAN JOSE AZMAT, FINDS, CHMIRS, SWEEPS UST, and CUPA. The Property is also listed on California Water Board's GeoTracker website as a LUST Cleanup Site with a status '*Completed-Case Closed as of 10/24/1991 (for soil) and 11/2/2015 (for soil and well used for drinking water supply)*'. According to the case closure letter dated November 2, 2015, residual contamination both in soil and groundwater remain at the Property which may pose a risk under certain site developments such as site grading, excavation, or installation of water wells. No leaks, or spills have been reported since the case closure in 2015.

Opinion 1: The current use of the Property as a gas station with auto repair shop/smog station and the reported presence of residual contamination is considered a REC. Due to former release, the Property also meets the definition of a potential VEC.

Finding 2: The site across the intersection of Santa Teresa Boulevard and Cottle Road - Chevron gas station #90038 located at 6096 Cottle Road has been occupied by a gas station, auto repair shop and a convenient store since at least 1974. The site was also listed on California Water Board's GeoTracker website as a LUST Cleanup Site with status '*Completed-Case Closed as of 9/25/2007*'.

Opinion 2: Due to the proximity and release this site meets the definition of a potential VEC. However, due to the soil only nature of the release, remedial actions conducted, age of release, and agency closure, this site is not considered a REC for the Property.

7.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 2.3:	None.
Weather-Related Restrictions To Site Reconnaissance:	None.
Facility Access Restrictions to Site Reconnaissance:	None.
Other Site Reconnaissance Restrictions:	None.
Data Gaps From Environmental Records Review:	None.
Data Gaps From Historical Records Review:	None.
Data Gaps From Interviews:	An owner interview was not reasonably ascertainable at the time of completion of this report.
Other Data Gaps:	None.

7.3 CONCLUSIONS

This assessment has revealed the following RECs in connection with the Property:

- The Property is currently operating as a gas station (2 gasoline USTs, 1 diesel UST and 1 waste oil UST) with an auto repair shop/smog station and a convenience store. During site visit conducted by Stantec on November 14, 2017, Stantec observed a 55-gallon drum with used oil filters, a 40-gallon drum with used antifreeze, and two 5-gallon buckets with used gear oil. Minor oil staining was observed on the floor of the auto repair shop/smog station. An approximately 500-gallon propane AST was observed along the eastern boundary of the Property. The Property is listed on the EDR environmental databases RGA LUST, HAZNET, EDR Hist Auto, EMI, WDS, LUST, HIST LUST, HIST UST, CORTESE, ENF, HIST CORTESE, SAN JOSE AZMAT, FINDS, CHMIRS, SWEEPS UST, and CUPA. The Property is also listed on California Water Board's GeoTracker website as a LUST Cleanup Site with a status *'Completed-Case Closed as of 10/24/1991 (for soil) and 11/2/2015 (for soil and well used for drinking water supply)'*. According to the case closure letter dated November 2, 2015, residual contamination both in soil and groundwater remain at the

Property which may pose a risk under certain site developments such as site grading, excavation, or installation of water wells. No leaks, or spills have been reported since the case closure in 2015. The current use of the Property as a gas station with auto repair shop/smog station and the reported presence of residual contamination is considered a REC.

Based on the preliminary findings of the Phase I ESA, a Phase II site assessment is recommended. If any assessment, excavation or grading activities will be performed on the Property, a notification to the County of Santa Clara DEH will be required.

8.0 REFERENCES

American Society for Testing and Materials (ASTM), 2013, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E1527-13;

ASTM, 2015, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, Designation E 2600-15;

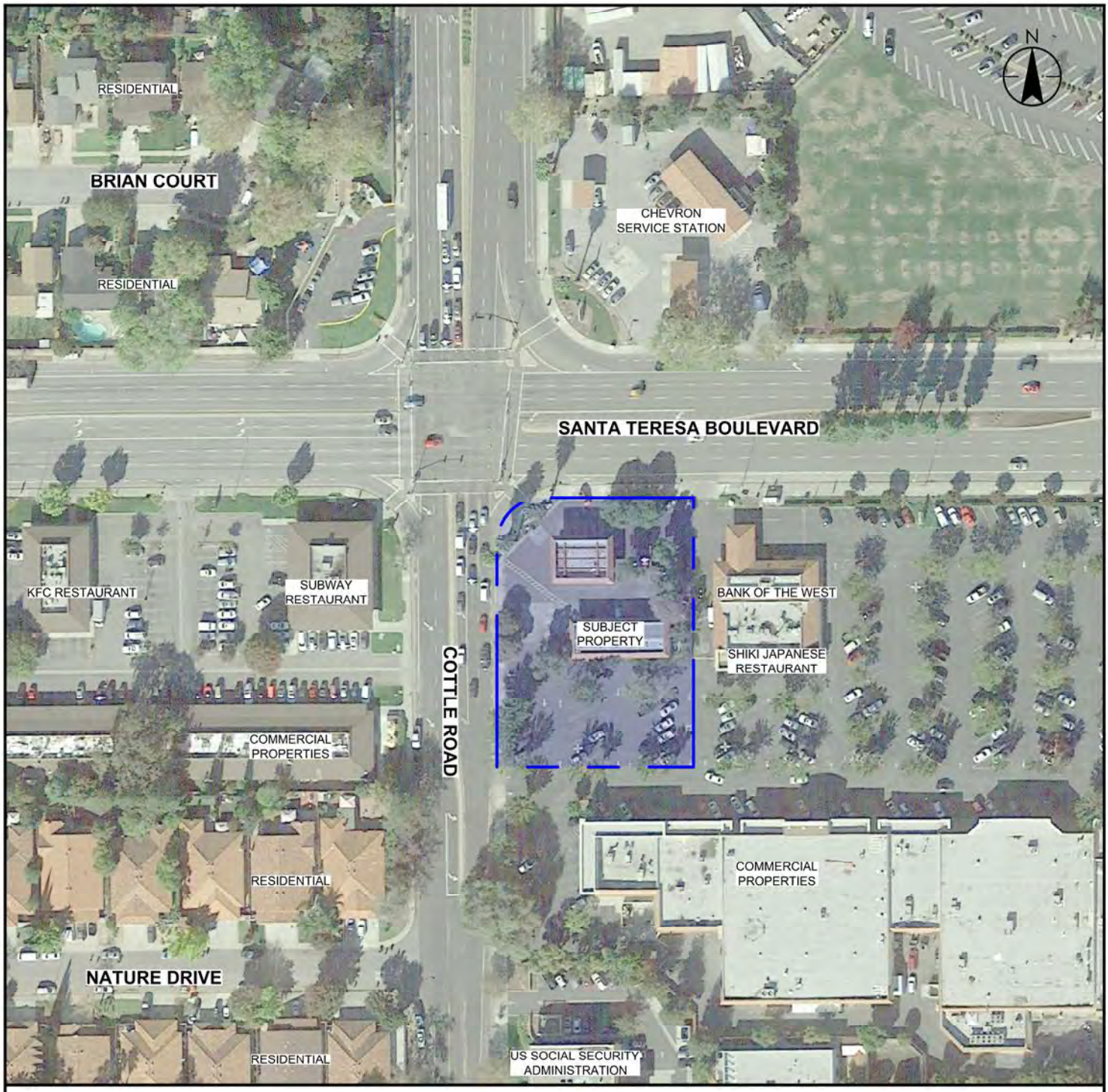
Environmental Data Resources (EDR), 2017 Aerial Photographs, City Directories, Sanborn® Map Report, Topographic Maps, EDR Radius Map™ Report with GeoCheck®, Property, 6211 Santa Teresa Boulevard, San Jose, California, November 8.

Antea Group, 2011, Quarterly Summary Report Second Quarter 2011, 6211 Santa Teresa Boulevard, San Jose, California, July 1.

https://geotracker.waterboards.ca.gov/

https://www.envirostor.dtsc.ca.gov/public/

FIGURES



LEGEND

APPROXIMATE SUBJECT PROPERTY

NOTES:

1. MAP REFERENCES; GOOGLE EARTH PRO AERIAL IMAGE, DATED NOVEMBER 11, 2016.
2. COORDINATE SYSTEM; NAD 83 CALIFORNIA STATE PLANES, ZONE III, US (FT.). NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 125 250

APPROXIMATE SCALE (FEET)

Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
PHONE:(805) 230-1266 FAX:(805) 230-1277

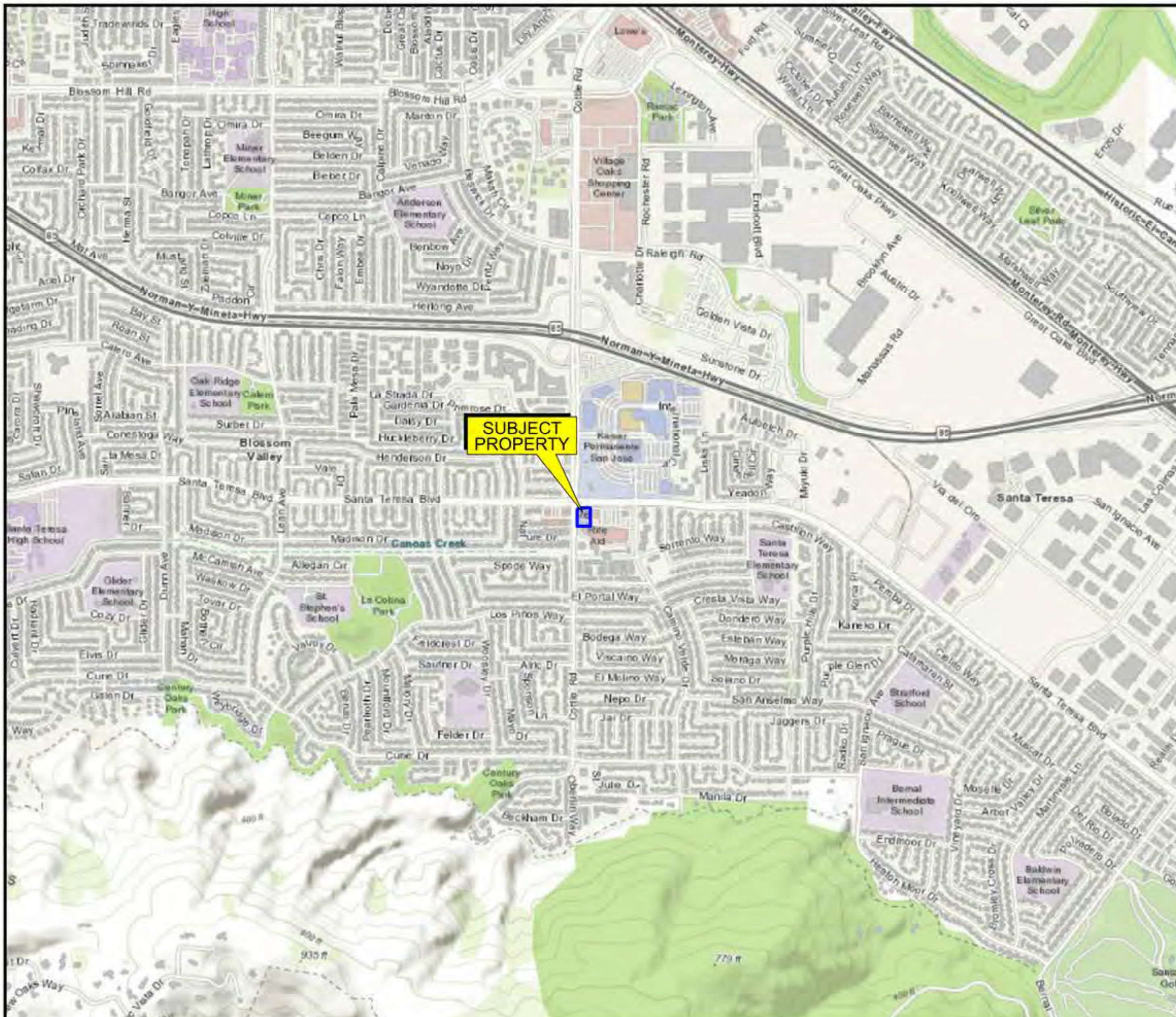
FOR:
7-Eleven, Inc.
Phase I ESA
Proposed 7-Eleven Store No. 1042240
6211 Santa Teresa Road,
San Jose, CA 95119

SITE VICINITY MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185850582	R. Roman	A. Sawant	P. McConnell	11/17/17

FILEPATH:E:\1858\active\185850582\03_data\cad\20171117_pho_185850582_p1esa.dwg|TRoman|Nov 17, 2017 at 12:09|Layout: F2



ESRI WORLD TOPOGRAPHIC MAP

N

0 2000 4000

APPROXIMATE SCALE (FEET)

Stantec 290 Conejo Ridge Avenue Thousand Oaks, CA 91361 PHONE: (805) 230-1266 FAX: (805) 230-1277	FOR: 7-Eleven, Inc. Phase I ESA Proposed 7-Eleven Store No. 1042240 6211 Santa Teresa Road, San Jose, CA 95119		SITE LOCATION MAP	FIGURE: 1
	JOB NUMBER: 185850582	DRAWN BY: R. Roman	CHECKED BY: A. Sawant	APPROVED BY: P. McConnell	DATE: 11/17/17

FILEPATH:E:\1858\active\185850582\03_data\cad\20171117_pho_185850582_p1esa.dwg|TRoman|Nov 17, 2017 at 11:58|Layout: F1

Phase II

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

June 14, 2018
File: 185850653.700

Attention: Ms. Aparna Joneja
7-Eleven, Inc.
4637 Chabot Drive, Suite 117
Pleasanton, CA 94588

Reference: **Phase II Environmental Site Assessment**
7-Eleven Store #38459
6211 Santa Teresa Boulevard
San Jose, California 95119

Dear Ms. Joneja,

On behalf of 7-Eleven, Inc. (7-Eleven), Stantec has prepared the following report describing the results of assessment activities conducted at 7-Eleven Store No. 38459, located at 6211 Santa Teresa Road in San Jose, California (Figure 1). The 7-Eleven real estate services 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);
- Notified Underground Service Alert (USA) and a private utility locator (Ground Penetrating Radar Systems, Inc.) to locate, identify, and mark-out subsurface utilities;
- Supervised the advancement of five soil boreholes (B-1 through B-5) at the locations shown on Figure 2;
- Collected soil samples and logged the lithology of soil samples during drilling operations;
- Collected groundwater samples from borehole locations B1 through B5;
- Analyzed soil and groundwater samples from the boreholes for total petroleum hydrocarbons-gasoline range organics (TPH-GRO), benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX), and methyl-tert-butyl ether (MTBE) using Environmental Protection Agency (EPA) Method 8260B, and for TPH-diesel range organics (TPH-DRO) and TPH-oil range organics (TPH-ORO) using EPA Method 8015B;
- Analyzed soil and groundwater samples collected from borehole location SB-4 for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D, polychlorinated biphenyls (PCBs) by EPA Method 8082A, total metals by EPA Method 6010B, and mercury by EPA Method 7471B; 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 by Stantec dated December 14, 2017, the site is an active gasoline service station with an auto repair shop/smog station and a convenience store. The station layout includes two 12,000-gallon gasoline underground storage tanks (USTs), one 10,000-gallon diesel UST, one 550-gallon used motor oil UST, one 500-gallon propane aboveground storage tank (AST), and four fuel dispensers. The auto repair shop/smog station includes four hydraulic lifts. The site reportedly operated as a gas station since at least 1972, and was reportedly vacant prior to that.

Based on records reviewed as part of the Phase I ESA, there were two former leaking UST cases for the site. According to the GeoTracker website, the first case was a soil-only case opened in June 1990 and closed in October 1991. The second case (for soil and well used for drinking water supply) opened in 1998 and was closed in November 2015. The site was characterized through several phases of soil and groundwater investigations. Groundwater monitoring was conducted from 1998 through 2011. A groundwater extraction treatment system operated from 1998 through 2004, and a soil vapor extraction treatment system operated from 1998 through 2001. According to the case closure letter dated November 2, 2015, residual contamination both in soil (confined to depth of 15 feet bgs) and groundwater remain at the site which may pose a risk under certain site developments such as site grading, excavation, or installation of water wells.

Subsurface Investigation

Drilling

A site-specific health and safety plan was prepared to address potential hazards during the proposed well installation activities. Stantec personnel and subcontractors were required to acknowledge the safety plan 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 (GPRS) to mark the locations of any additional subsurface utilities.

On May 3, 2018, five proposed borehole locations were cleared for subsurface utilities with a hand auger by Cascade Drilling (Cacade) of Richmond, California. The five boreholes were cleared to a depth of approximately five feet below ground surface (bgs).

On May 3, 2018, boreholes B-1 through B-5 were advanced to a total depth of 22 feet bgs (Figure 2). The soil boreholes were completed advanced using a direct push drilling rig equipped with 3.25-inch diameter probes and operated by Cascade. Groundwater was first encountered at a depth of 16 feet bgs. The drilling was directed by a qualified Stantec geologist working under the supervision of a State of California Professional Geologist.

Soil samples were collected approximately every five vertical feet 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 20 soil samples collected from the borehole to the laboratory for potential analysis under COC.

Reference: Phase II Environmental Site Assessment

Samples selected for field screening were transferred to re-sealable plastic bags for headspace analysis of volatile organic vapors. After allowing the headspace samples to volatilize for approximately 10 minutes, headspace vapor readings were measured with a MiniRae® 2000 PID calibrated with 100 parts per million by volume (ppmv) isobutylene gas standard and equipped with a 10.2 eV lamp. 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.

Following soil sample collection, a temporary casing was set in each of the boreholes. Groundwater samples were collected from B-1 through B-5 using a disposable bailer. The groundwater samples were labeled, placed in a cooler with ice, and recorded using COC protocols.

Following collection of soil and groundwater samples, the soil boreholes were backfilled with a neat cement grout and finished with concrete to match the existing surface. Borehole logs are presented in Attachment A.

Soil generated during drilling was temporarily stored on-site in one Department of Transportation-approved, properly labeled, 55-gallon drum, pending profiling and disposal.

Analytical Methods

The soil and groundwater 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, TPH-DRO, TPH-ORO, BTEX, and MTBE. Samples collected from borehole B-4 were also analyzed for PAHs, PCBs, total metals, and mercury.

Soil Sample Analytical Results

TPH-GRO was not detected in any of the six soil samples above laboratory reporting limits (LRLs) ranging from 0.0919 milligrams per kilogram (mg/kg) to 0.100 mg/kg.

TPH-DRO was detected in all six soil samples at concentrations ranging from 5.05 mg/kg in SB-4-10 to 8.07 mg/kg in SB-2-15.

TPH-ORO was not detected in any of the six soil samples above LRLs ranging from 9.68 mg/kg to 9.96 mg/kg.

BTEX and MTBE were not detected in any of the six soil samples above LRLs ranging from 0.00184 mg/kg to 0.00600 mg/kg.

PAHs were not detected in SB-4-10 and SB-4-15 above LRLs ranging from 0.0657 mg/kg to 0.0667 mg/kg.

PCBs were not detected in SB-4-10 and SB-4-15 above LRLs ranging from 0.0327 mg/kg to 0.0332 mg/kg.

Various metals were detected in soil samples SB-4-10 and SB-4-15. All concentrations were below California Human Health Screening Levels (CHHSLs) except for arsenic. Naturally occurring arsenic is known to be present in soil in the site vicinity. Please refer to the laboratory analytical report for specific compounds and their detected concentrations.

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

Reference: Phase II Environmental Site Assessment

Groundwater Sample Analytical Results

TPH-GRO was not detected in the five groundwater samples above a LRL of 50 micrograms per liter (µg/L). TPH-DRO and TPH-ORO were not detected in the five groundwater samples above LRLs ranging from 93.5 µg/L and 94.3 µg/L. BTEX and MTBE were not detected in the five groundwater samples above LRLs ranging from 1.00 µg/L to 3.00 µg/L.

PAHs were not detected in SB-4-GW above a LRL of 1.90 µg/L. PCBs were not detected in SB-4-GW above a LRL of 0.515 µg/L

Various metals were detected in the groundwater sample collected from SB-4. Arsenic, barium, chromium, lead, and nickel were detected at concentrations above their respective Maximum Contaminant Levels (MCLs), and vanadium was detected at a concentration above the notification level. Antimony and thallium were not detected above the LRL, but the LRL for these constituents exceeded their respective MCLs. Please refer to the laboratory analytical report for specific compounds and their detected concentrations.

Groundwater sample analytical results are summarized in Tables 2 and 3. Copies of the certified analytical laboratory reports and COC documentation are presented in Appendix B.

Phase II Summary and Conclusions

The lithologies observed in the boreholes drilled during this investigation consisted predominantly of clay with varying amounts of sand and silt observed, and poorly graded or well graded sand with silt. Groundwater was encountered during drilling activities at a depth of 16 feet bgs.

TPH-DRO was detected in all six soil samples at concentrations ranging from 5.05 mg/kg in SB-4-10 to 8.07 mg/kg in SB-2-15. TPH-GRO, TPH-ORO, BTEX, and MTBE were not detected in any of the six soil samples above their respective LRLs. PAHs and PCBs were not detected in SB-4-10 and SB-4-15 above their respective LRLs.

TPH-GRO, TPH-DRO, TPH-ORO, BTEX, and MTBE were not detected in the five groundwater samples above their respective LRLs. PAHs and PCBs were not detected in the groundwater samples collected from SB-4 above their respective LRLs.

Various metals were detected in the groundwater sample collected from SB-4, with some concentrations above MCLs or notification levels.

No additional assessment is recommended. However, there is a possibility that residual hydrocarbon impact may be encountered during site demolition and construction activities. Stantec recommends that environmental personnel be present on-site for tank removal or 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 6211 Santa Teresa Road in San Jose, California. The findings and conclusions rendered in this report are opinions based primarily on laboratory testing of soil and groundwater 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.

Reference: Phase II Environmental Site Assessment

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.

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

Regards,

STANTEC CONSULTING SERVICES INC.

Jenna Martinez
Senior Scientist
Phone: (858) 633-4247
Jenna.Martinez@Stantec.com

Patrick McConnell
Principal Geologist, PG #7205
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Pat.McConnell@Stantec.com

for

John Johnson
Geologic Associate
Phone: (858) 633-4298
John.Johnson@Stantec.com

Attachments:
Table 1 – Soil Sample Analytical Results
Table 2 – Groundwater Sample Analytical Results
Table 3 – Groundwater Sample Analytical Results- Metals
Figure 1 – Site Location Map
Figure 2 – Site Plan
Attachment A – Borehole Logs and Legend
Attachment B–Soil and Groundwater Sample Laboratory Analytical Report and Chain-of-Custody Documentation

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

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Stantec

TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
7-Eleven Store No. 38459
6211 Santa Teresa Boulevard
San Jose, California 95119
All concentrations in milligrams per kilogram (mg/kg).

Sample ID	Depth in feet	Sample Date	TPH-GRO	TPH-DRO	TPH-ORO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	PAHs	PCBs
SB-1-15	15.0	05/03/18	<0.100	**5.70**	<9.76	<0.00200	<0.00200	<0.00200	<0.00600	<0.00200	--	--
SB-2-15	15.0	05/03/18	<0.0919	**8.07**	<9.95	<0.00184	<0.00184	<0.00184	<0.00551	<0.00184	--	--
SB-3-15	15.0	05/03/18	<0.100	**6.26**	<9.90	<0.00200	<0.00200	<0.00200	<0.00600	<0.00200	--	--
SB-4-10	10.0	05/03/18	<0.0975	**5.05**	<9.96	<0.00195	<0.00195	<0.00195	<0.00585	<0.00195	<0.0657	<0.0327
SB-4-15	15.0	05/03/18	<0.0943	**7.61**	<9.68	<0.00189	<0.00189	<0.00189	<0.00566	<0.00189	<0.0667	<0.0332
SB-5-15	15.0	05/03/18	<0.0951	**5.44**	<9.88	<0.00190	<0.00190	<0.00190	<0.00570	<0.00190	--	--

Notes:

TPH-GRO = Total petroleum hydrocarbons gasoline range organics
TPH-DRO = Total petroleum hydrocarbons diesel range organics
TPH-ORO = Total petroleum hydrocarbons oil range organics
MTBE = Methyl-tert-butyl ether
PAHs = Polycyclic aromatic hydrocarbons (16 constituents in suite of analysis)
PCBs = Polychlorinated biphenyls (10 constituents in suite of analysis)
< = Below laboratory reporting limit shown
-- = Not Analyzed
Bold Print - concentration equals or exceeds laboratory reporting limit

TPH-GRO, benzene, toluene, ethylbenzene, total xylenes (collectively BTEX), and MTBE analyzed by Environmental Protection Agency (EPA) Test Method 8260B.
TPH-DRO and TPH-ORO analyzed by EPA Test Method 8015B.
PAHs analyzed by EPA Test Method 8270D.
PCBs analyzed by EPA Test Method 8082A.

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
7-Eleven Store No. 38459
6211 Santa Teresa Boulevard
San Jose, California 95119
All concentrations in micrograms per liter (µg/L).

Sample ID	Sample Date	TPH-GRO	TPH-DRO	TPH-ORO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	PAHs	PCBs
SB-1-GW	05/03/18	<50.0	<93.5	<93.5	<1.00	<1.00	<1.00	<3.00	<1.00	--	--
SB-2-GW	05/03/18	<50.0	<93.5	<93.5	<1.00	<1.00	<1.00	<3.00	<1.00	--	--
SB-3-GW	05/03/18	<50.0	<93.5	<93.5	<1.00	<1.00	<1.00	<3.00	<1.00	--	--
SB-4-GW	05/03/18	<50.0	<93.5	<93.5	<1.00	<1.00	<1.00	<3.00	<1.00	<1.90	<0.515
SB-5-GW	05/03/18	<50.0	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	<1.00	--	--

Notes:
TPH-GRO = Total petroleum hydrocarbons gasoline range organics
TPH-DRO = Total petroleum hydrocarbons diesel range organics
TPH-ORO = Total petroleum hydrocarbons oil range organics
MTBE = Methyl-tert-butyl ether
PAHs = Polycyclic aromatic hydrocarbons (16 constituents in suite of analysis)
PCBs = Polychlorinated biphenyls (10 constituents in suite of analysis)
< = Below laboratory reporting limit shown
-- = Not Analyzed

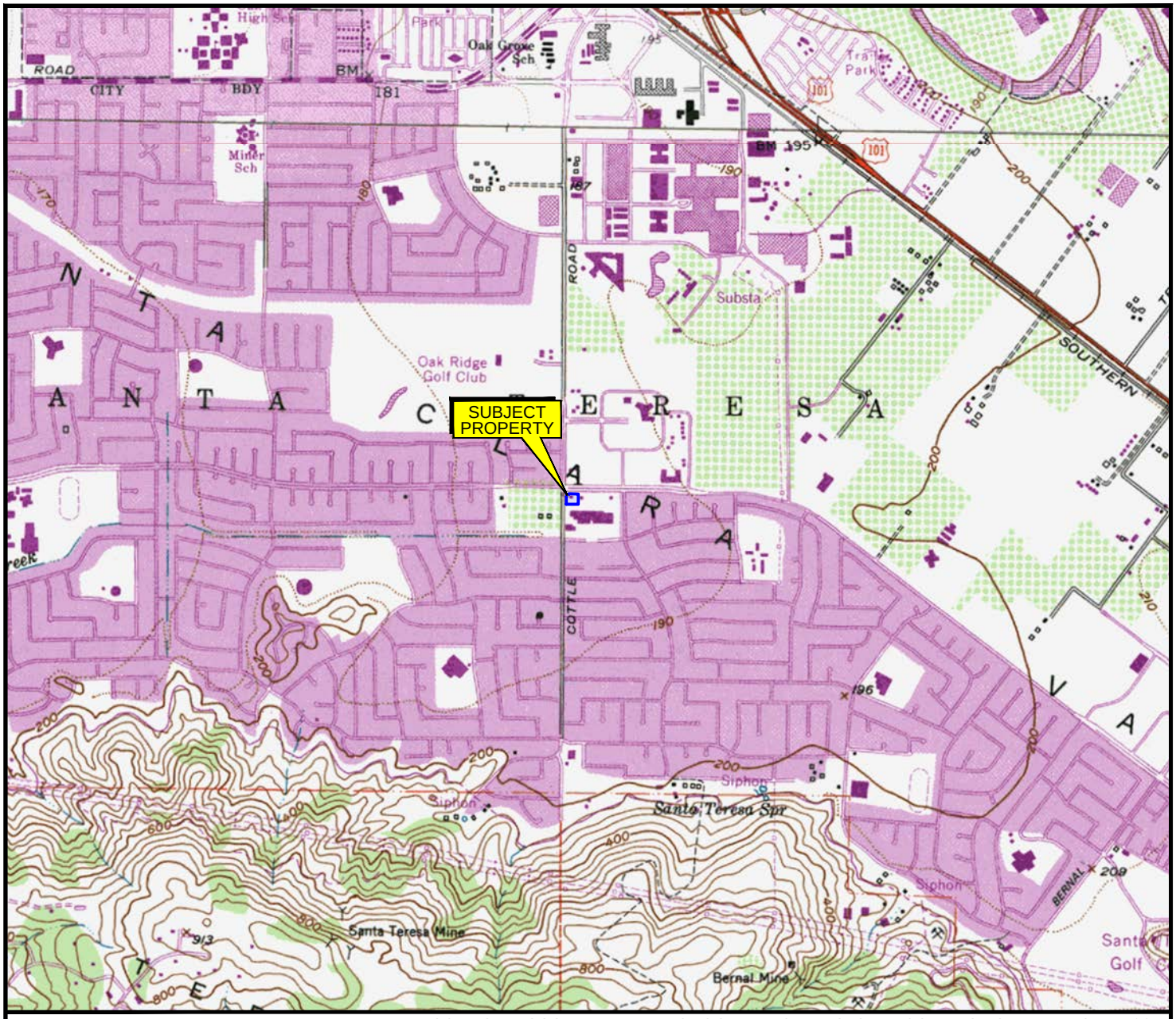
TPH-GRO, benzene, toluene, ethylbenzene, total xylenes (collectively BTEX), and MTBE analyzed by Environmental Protection Agency (EPA) Test Method 8260B.
TPH-DRO and TPH-ORO analyzed by EPA Test Method 8015B.
PAHs analyzed by EPA Test Method 8270D.
PCBs analyzed by EPA Test Method 8082A.

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS - METALS
7-Eleven Store No. 38459
6211 Santa Teresa Boulevard
San Jose, California 95119
All concentrations in milligrams per liter (mg/L).

Constituent	SB-4-GW (collected on 5/3/2018)	MCL
Antimony	**<0.0100**	0.006
Arsenic	**0.0351**	0.01
Barium	**1.21**	1
Beryllium	<0.00400	0.004
Cadmium	0.00110	0.005
Chromium	**0.206**	0.05 (total chromium)
Cobalt	0.0991	NA
Copper	0.0895	1.3
Lead	**0.0387**	0.015
Molybdenum	<0.0500	NA
Nickel	**0.366**	0.1
Selenium	0.0140	0.05
Silver	<0.00500	NA
Thallium	**<0.0100**	0.002
Vanadium	**0.154**	0.05 (notification level)
Zinc	0.265	NA
Mercury	0.000218	0.002

Notes:
Concentrations in **BOLD** above MCL
< = Below laboratory reporting limit shown
MCL = Maximum Contaminanty Level
NA = Not Applicale/Not Available
Metals (except mercury) analyzed by Environmental Protection Agency (EPA) Test Method 6010B.
Mercury analyzed by EPA Test Method 7470A.

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAPS, SAN JOSE EAST QUADRANGLE, 1961
PHOTOREVISED, 1980
SANTA TERESA HILLS QUADRANGLE, 1953
PHOTOREVISED, 1980

N

0 2000 4000

APPROXIMATE SCALE (FEET)

Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
PHONE: (805) 230-1266 FAX: (805) 230-1277

FOR:
7-Eleven, Inc.
Phase II ESA
7-Eleven Store No. 38459
6211 Santa Teresa Boulevard,
San Jose, CA 95119

SITE LOCATION MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185850653	R. Roman	J. Martinez	P. McConnell	05/29/18

FILEPATH:E:\1858\active\185850653\03_data\cad\20180529_pho_185850653_p2.dwg|troman|May 29, 2018 at 14:37|Layout: F1_USGS

LEGEND

APPROXIMATE SUBJECT PROPERTY

SB-1 SOIL BORING LOCATIONS

NOTES:

1. MAP REFERENCES; GOOGLE EARTH PRO AERIAL IMAGE, DATED SEPTEMBER 1, 2017.
2. COORDINATE SYSTEM; NAD 83 CALIFORNIA STATE PLANES, ZONE III, US (FT.). NOT A SURVEYED MAP, SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 30 60

APPROXIMATE SCALE (FEET)

Stantec

290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
PHONE: (805) 230-1266 FAX: (805) 230-1277

FOR:
7-Eleven, Inc.
Phase II ESA
7-Eleven Store No. 38459
6211 Santa Teresa Boulevard,
San Jose, CA 95119

SITE PLAN

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185850653	R. Roman	J. Martinez	P. McConnell	05/29/18

FILEPATH:E:\1858\active\185850653\03_data\cad\20180529_pho_185850653_p2.dwg|troman|May 29, 2018 at 14:41|Layout: F2

Stantec

ATTACHMENT A

BOREHOLE LOGS AND LEGEND

PROJECT: **7-11 #38459** PAGE 1 OF 1
LOCATION: **6211 Santa Teresa Blvd. San Jose, CA**
PROJECT NUMBER: **185850653**

WELL / PROBEHOLE / BOREHOLE NO: **SB-1**

Stantec

DRILLING / INSTALLATION:
STARTED **5/3/18** COMPLETED: **5/3/18**
DRILLING COMPANY: **Cascade Drilling**
DRILLING EQUIPMENT: **GeoProbe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Core**

NORTHING (ft):
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **16**
STATIC DTW (ft): **--**
WELL CASING DIA. (in): **---**
LOGGED BY: **D.Owens**

EASTING (ft):
LONG:
TOC ELEV (ft):
WELL DEPTH (ft): **--**
BOREHOLE DEPTH (ft): **22.0**
BOREHOLE DIA. (in): **3.25**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppmv)	Depth (feet)	Borehole Backfill
			ASPHALT							
		CL	**LEAN CLAY** ; CL; 10YR 2/1 black; medium plasticity; hard; dry							
5					1255 SB-1-5			0.2	5	
		CL	**SILTY CLAY** ; CL; 10YR 4/3 brown; low plasticity; firm; dry; mottled; (0,0,20,80)							
10					1300 SB-1-10			0.0	10	Portland Neat Cement
15			Soft; wet; increased silt (0,0,35,65)		1305 SB-1-15			0.2	15	
20					1310 SB-1-20			0.2	20	
		SP-SM	**POORLY GRADED SAND WITH SILT** ; SP-SM; 10YR 4/2 dark grayish brown; fine-grained; loose; wet; (0,70,30,0)							
			Borehole terminated at 22 feet.							

GEO FORM 304 TEST.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/10/18

PROJECT: **7-11 #38459** PAGE 1 OF 1
LOCATION: **6211 Santa Teresa Blvd. San Jose, CA**
PROJECT NUMBER: **185850653**

WELL / PROBEHOLE / BOREHOLE NO: **SB-2**

Stantec

DRILLING / INSTALLATION:
STARTED **5/3/18** COMPLETED: **5/3/18**
DRILLING COMPANY: **Cascade Drilling**
DRILLING EQUIPMENT: **GeoProbe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Core**

NORTHING (ft):
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **16**
STATIC DTW (ft): **--**
WELL CASING DIA. (in): **---**
LOGGED BY: **D.Owens**

EASTING (ft):
LONG:
TOC ELEV (ft):
WELL DEPTH (ft): **--**
BOREHOLE DEPTH (ft): **22.0**
BOREHOLE DIA. (in): **3.25**
CHECKED BY: Per

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppmv)	Depth (feet)	Borehole Backfill
			ASPHALT							
		CL	**LEAN CLAY** ; CL; 10YR 2/1 black; medium plasticity; hard; dry							
5					1355 SB-2-5			0.1	5	
		CL	**SILTY CLAY** ; CL; 10YR 4/3 brown; low plasticity; firm; dry; mottled; (0,0,20,80)							
10					1400 SB-2-10			0.0	10	Portland Neat Cement
15			Soft; wet; increased silt (0,0,35,65)		1405 SB-2-15			0.1	15 ▽	
20					1410 SB-2-20			0.0	20	
		SP-SM	**POORLY GRADED SAND WITH SILT** ; SP-SM; 10YR 4/2 dark grayish brown; fine-grained; loose; wet; (0,70,30,0)							
			Borehole terminated at 22 feet.							

GEO FORM 304 TEST.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/10/18

PROJECT: **7-11 #38459** PAGE 1 OF 1
LOCATION: **6211 Santa Teresa Blvd. San Jose, CA**
PROJECT NUMBER: **185850653**

WELL / PROBEHOLE / BOREHOLE NO: **SB-3**

Stantec

DRILLING / INSTALLATION:
STARTED **5/3/18** COMPLETED: **5/3/18**
DRILLING COMPANY: **Cascade Drilling**
DRILLING EQUIPMENT: **GeoProbe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Core**

NORTHING (ft):
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **16**
STATIC DTW (ft): **--**
WELL CASING DIA. (in): **---**
LOGGED BY: **D.Owens**

EASTING (ft):
LONG:
TOC ELEV (ft):
WELL DEPTH (ft): **--**
BOREHOLE DEPTH (ft): **22.0**
BOREHOLE DIA. (in): **3.25**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppmv)	Depth (feet)	Borehole Backfill
			ASPHALT							
		CL	**LEAN CLAY WITH SAND** ; CL; 10YR 2/2 very dark brown; medium plasticity; hard; dry; well graded sand (0,20,80,0)							
		CL	**LEAN CLAY** ; CL; 10YR 2/1 black; medium plasticity; hard; dry							
5		CL	**SILTY CLAY TRACE SAND** ; CL; 10YR 4/4 dark yellowish brown; low plasticity; hard; dry; mottled; well graded sand (0,5,45,50)		1045 SB-3-5			0.0	5	
10					1050 SB-3-10			0.0	10	Portland Neat Cement
		CL	**SILTY CLAY** ; CL; 10YR 4/3 brown; medium plasticity; firm; moist; mottled; (0,0,20,80)							
15			Soft; wet		1055 SB-3-15			0.0	15	
20					1100 SB-3-20			0.0	20	
		SP-SM	**POORLY GRADED SAND WITH SILT** ; SP-SM; 10YR 4/2 dark grayish brown; fine-grained; loose; wet; (0,80,20,0)							
			Borehole terminated at 22 feet.							

GEO FORM 304 TEST.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/10/18

PROJECT: **7-11 #38459** PAGE 1 OF 1
LOCATION: **6211 Santa Teresa Blvd. San Jose, CA**
PROJECT NUMBER: **185850653**

WELL / PROBEHOLE / BOREHOLE NO: **SB-4**

Stantec

DRILLING / INSTALLATION:
STARTED **5/3/18** COMPLETED: **5/3/18**
DRILLING COMPANY: **Cascade Drilling**
DRILLING EQUIPMENT: **GeoProbe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Core**

NORTHING (ft):
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **16**
STATIC DTW (ft): **--**
WELL CASING DIA. (in): **---**
LOGGED BY: **D.Owens**

EASTING (ft):
LONG:
TOC ELEV (ft):
WELL DEPTH (ft): **--**
BOREHOLE DEPTH (ft): **22.0**
BOREHOLE DIA. (in): **3.25**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppmv)	Depth (feet)	Borehole Backfill
			ASPHALT							
		CL	**LEAN CLAY WITH SAND** ; CL; 10YR 4/4 dark yellowish brown; low plasticity; hard; dry; well graded sand (0,25,0,75)							
		CL	**LEAN CLAY** ; CL; 10YR 2/1 black; medium plasticity; hard; dry							
5					0920 SB-4-5			0.0	5	
		SW-SM	**WELL-GRADED SAND WITH SILT** ; SW-SM; 10YR 4/4 dark yellowish brown; dense; dry; trace gravel; fine sand; (5,55,40,0)							
10					0925 SB-4-10			0.0	10	Portland Neat Cement
		CL	**SILTY CLAY** ; CL; 10YR 4/3 brown; low plasticity; firm; dry; mottled; (0,0,20,80)							
15					0930 SB-4-15			0.0	15	
			Soft; wet; increased silt (0,0,35,65)							
20		SP-SM	**POORLY GRADED SAND WITH SILT** ; SP-SM; 10YR 4/2 dark grayish brown; loose; wet; fine sand (0,70,30,0)		0935 SB-4-20			0.0	20	
			Borehole terminated at 22 feet.							

GEO FORM 304 TEST.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/10/18

PROJECT: **7-11 #38459** PAGE 1 OF 1
LOCATION: **6211 Santa Teresa Blvd. San Jose, CA**
PROJECT NUMBER: **185850653**

WELL / PROBEHOLE / BOREHOLE NO: **SB-5**

Stantec

DRILLING / INSTALLATION:
STARTED **5/3/18** COMPLETED: **5/3/18**
DRILLING COMPANY: **Cascade Drilling**
DRILLING EQUIPMENT: **GeoProbe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Core**

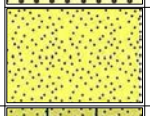
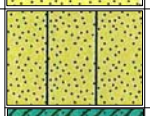
NORTHING (ft):
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **16**
STATIC DTW (ft): **--WELL**
CASING DIA. (in): **---**
LOGGED BY: **D.Owens**

EASTING (ft):
LONG:
TOC ELEV (ft):
WELL DEPTH (ft): **--**
BOREHOLE DEPTH (ft): **22.0**
BOREHOLE DIA. (in): **3.25**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppmv)	Depth (feet)	Borehole Backfill
			ASPHALT							
		CL	**LEAN CLAY WITH SAND** ; CL; 10YR 2/2 very dark brown; medium plasticity; hard; dry; well graded sand (0,25,75,0)							
		CL	**LEAN CLAY** ; CL; 10YR 2/1 black; medium plasticity; hard; dry							
5		SW-SM	**WELL-GRADED SAND WITH SILT** ; SW-SM; 10YR 4/4 dark yellowish brown; dense; dry; fine sand: trace gravel; (5,55,40,0)		0750 SB-5-5			0.0	5	
10					0755 SB-5-10			0.0	10	Portland Neat Cement
		CL	**SILTY CLAY** ; CL; 10YR 4/3 brown; medium plasticity; firm; moist; mottled; (0,0,20,80)							
15			Soft; wet		0800 SB-5-15			0.0	15 ▽	
20		SP	**POORLY GRADED SAND** ; SP; 10YR 4/2 dark grayish brown; loose; wet; fine sand		0810 SB-5-20			0.0	20	
			Borehole terminated at 22 feet.							

GEO FORM 304 TEST.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 5/10/18

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.
				GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel With 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.
FINE GRAINED SOILS More Than Half Of Material Is Smaller Than No. 200 Sieve Size	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.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS Liquid Limit Is Greater Than 50%			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.

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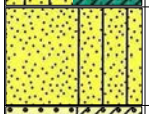
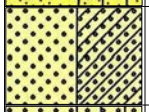
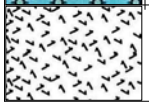
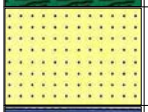
BOREHOLE/WELL LOG LEGEND

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

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BOREHOLE/WELL LOG LEGEND

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

† 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 pentetration 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


Ground Water (Initial)


Ground Water (Static)

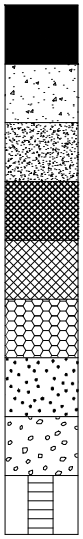
Well Design Symbol

< > 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
ppm	Parts Per Million

Well Design Fill Patterns



Stantec

BOREHOLE/WELL LOG LEGEND

Stantec

ATTACHMENT B

SOIL AND GROUNDWATER 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: 490-151405-1
Client Project/Site: 7-11 No 38459(CA)
Revision: 1

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

Attn: Pat McConnell

Authorized for release by:
6/13/2018 3:22:27 PM
Leah Klingensmith, Senior Project Manager
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Designee for

Jimmy Huckaba, Project Manager I
(615)301-5746
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Table of Contents

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-151405-3	SB-1-15	Solid	05/03/18 13:05	05/05/18 09:30
490-151405-7	SB-2-15	Solid	05/03/18 14:05	05/05/18 09:30
490-151405-11	SB-3-15	Solid	05/03/18 10:55	05/05/18 09:30
490-151405-14	SB-4-10	Solid	05/03/18 09:25	05/05/18 09:30
490-151405-15	SB-4-15	Solid	05/03/18 09:30	05/05/18 09:30
490-151405-19	SB-5-15	Solid	05/03/18 08:00	05/05/18 09:30
490-151405-21	SB-4-GW	Water	05/03/18 10:00	05/05/18 09:30
490-151405-22	SB-1-GW	Water	05/03/18 13:20	05/05/18 09:30
490-151405-23	SB-2-GW	Water	05/03/18 14:20	05/05/18 09:30
490-151405-24	SB-3-GW	Water	05/03/18 11:20	05/05/18 09:30
490-151405-25	SB-5-GW	Water	05/03/18 08:40	05/05/18 09:30

Job ID: 490-151405-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-151405-1

Comments
Revised Report
Report revised to correct the metals results reported for SB-4-GW (490-151405-21).
Supersedes report dated 5-18-18.

Receipt
The samples were received on 5/5/2018 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.1° C and 1.4° C.

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCVIS) associated with batch 490-513888 recovered above the upper control limit for Indeno[1,2,3-cd]pyrene. The samples associated with this CCVIS were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCVIS 490-513888/3).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 490-514350 and analytical batch 490-514628 recovered outside control limits for the following analyte: Benzo[a]pyrene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

GC Semi VOA
Method(s) 8082A: The %RPD between the primary and confirmation column exceeded 40% for Tetrachloro-m-xylene, PCB-1016 and PCB-1260 for the following sample: (LCS 490-513181/2-A). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

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

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

Organic Prep
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.

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-1-15
Date Collected: 05/03/18 13:05
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 10:59	1
Toluene	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 10:59	1
Ethylbenzene	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 10:59	1
Xylenes, Total	ND		0.00600		mg/Kg		05/15/18 14:37	05/17/18 10:59	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 10:59	1
GRO (C4-C12)	ND		0.100		mg/Kg		05/15/18 14:37	05/17/18 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*05/15/18 14:37*	*05/17/18 10:59*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*05/15/18 14:37*	*05/17/18 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*	*05/15/18 14:37*	*05/17/18 10:59*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/15/18 14:37*	*05/17/18 10:59*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5.70**		4.88		mg/Kg		05/11/18 15:14	05/13/18 21:45	1
Oil Range Organics (C20-C34)	ND		9.76		mg/Kg		05/11/18 15:14	05/13/18 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*108*		*50 - 150*	*05/11/18 15:14*	*05/13/18 21:45*	*1*

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-2-15
Date Collected: 05/03/18 14:05
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00184		mg/Kg		05/15/18 14:37	05/17/18 11:30	1
Toluene	ND		0.00184		mg/Kg		05/15/18 14:37	05/17/18 11:30	1
Ethylbenzene	ND		0.00184		mg/Kg		05/15/18 14:37	05/17/18 11:30	1
Xylenes, Total	ND		0.00551		mg/Kg		05/15/18 14:37	05/17/18 11:30	1
Methyl tert-butyl ether	ND		0.00184		mg/Kg		05/15/18 14:37	05/17/18 11:30	1
GRO (C4-C12)	ND		0.0919		mg/Kg		05/15/18 14:37	05/17/18 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*05/15/18 14:37*	*05/17/18 11:30*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*	*05/15/18 14:37*	*05/17/18 11:30*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 11:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**8.07**		4.98		mg/Kg		05/11/18 15:14	05/13/18 22:02	1
Oil Range Organics (C20-C34)	ND		9.95		mg/Kg		05/11/18 15:14	05/13/18 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*108*		*50 - 150*	*05/11/18 15:14*	*05/13/18 22:02*	*1*

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-3-15
Date Collected: 05/03/18 10:55
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 12:02	1
Toluene	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 12:02	1
Ethylbenzene	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 12:02	1
Xylenes, Total	ND		0.00600		mg/Kg		05/15/18 14:37	05/17/18 12:02	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg		05/15/18 14:37	05/17/18 12:02	1
GRO (C4-C12)	ND		0.100		mg/Kg		05/15/18 14:37	05/17/18 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*05/15/18 14:37*	*05/17/18 12:02*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 12:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*	*05/15/18 14:37*	*05/17/18 12:02*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 12:02*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.26**		4.95		mg/Kg		05/11/18 15:14	05/13/18 22:19	1
Oil Range Organics (C20-C34)	ND		9.90		mg/Kg		05/11/18 15:14	05/13/18 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*99*		*50 - 150*	*05/11/18 15:14*	*05/13/18 22:19*	*1*

Client Sample ID: SB-4-10

Date Collected: 05/03/18 09:25
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00195		mg/Kg		05/15/18 14:37	05/17/18 13:04	1
Toluene	ND		0.00195		mg/Kg		05/15/18 14:37	05/17/18 13:04	1
Ethylbenzene	ND		0.00195		mg/Kg		05/15/18 14:37	05/17/18 13:04	1
Xylenes, Total	ND		0.00585		mg/Kg		05/15/18 14:37	05/17/18 13:04	1
Methyl tert-butyl ether	ND		0.00195		mg/Kg		05/15/18 14:37	05/17/18 13:04	1
GRO (C4-C12)	ND		0.0975		mg/Kg		05/15/18 14:37	05/17/18 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:04*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:04*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Acenaphthylene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Anthracene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Benzo[a]anthracene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Benzo[a]pyrene	ND	*	0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Benzo[b]fluoranthene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Benzo[g,h,i]perylene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Benzo[k]fluoranthene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Pyrene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Phenanthrene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Chrysene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Dibenz(a,h)anthracene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Fluoranthene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Fluorene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Indeno[1,2,3-cd]pyrene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1
Naphthalene	ND		0.0657		mg/Kg		05/11/18 15:37	05/14/18 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*29 - 120*	*05/11/18 15:37*	*05/14/18 17:14*	*1*
Terphenyl-d14 (Surr)	*66*		*13 - 120*	*05/11/18 15:37*	*05/14/18 17:14*	*1*
Nitrobenzene-d5 (Surr)	*62*		*27 - 120*	*05/11/18 15:37*	*05/14/18 17:14*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5.05**		4.98		mg/Kg		05/11/18 15:14	05/13/18 22:36	1
Oil Range Organics (C20-C34)	ND		9.96		mg/Kg		05/11/18 15:14	05/13/18 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*114*		*50 - 150*	*05/11/18 15:14*	*05/13/18 22:36*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1221	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1232	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1242	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1

Client Sample ID: SB-4-10
Date Collected: 05/03/18 09:25
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-14
Matrix: Solid

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1254	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1260	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1262	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
PCB-1268	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1
Polychlorinated biphenyls, Total	ND		0.0327		mg/Kg		05/11/18 15:42	05/14/18 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 150*	*05/11/18 15:42*	*05/14/18 16:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.09		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Arsenic	**6.87**		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Barium	**301**		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Beryllium	ND		0.909		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Cadmium	ND		0.909		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Chromium	**53.9**		0.909		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Cobalt	**16.2**		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Copper	**33.0**		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Lead	**12.0**		0.909		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Molybdenum	ND		9.09		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Nickel	**89.4**		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Selenium	ND		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Silver	ND		0.909		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Thallium	ND		1.82		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Vanadium	**31.4**		9.09		mg/Kg		05/15/18 14:21	05/16/18 12:29	1
Zinc	**70.7**		9.09		mg/Kg		05/15/18 14:21	05/16/18 12:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0984		mg/Kg		05/17/18 09:27	05/17/18 17:26	1

Client Sample ID: SB-4-15

Date Collected: 05/03/18 09:30
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-15

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		05/15/18 14:37	05/17/18 13:35	1
Toluene	ND		0.00189		mg/Kg		05/15/18 14:37	05/17/18 13:35	1
Ethylbenzene	ND		0.00189		mg/Kg		05/15/18 14:37	05/17/18 13:35	1
Xylenes, Total	ND		0.00566		mg/Kg		05/15/18 14:37	05/17/18 13:35	1
Methyl tert-butyl ether	ND		0.00189		mg/Kg		05/15/18 14:37	05/17/18 13:35	1
GRO (C4-C12)	ND		0.0943		mg/Kg		05/15/18 14:37	05/17/18 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:35*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:35*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/15/18 14:37*	*05/17/18 13:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Acenaphthylene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Anthracene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Benzo[a]anthracene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Benzo[a]pyrene	ND	*	0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Benzo[b]fluoranthene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Benzo[g,h,i]perylene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Benzo[k]fluoranthene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Pyrene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Phenanthrene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Chrysene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Dibenz(a,h)anthracene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Fluoranthene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Fluorene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1
Naphthalene	ND		0.0667		mg/Kg		05/11/18 15:37	05/14/18 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*29 - 120*	*05/11/18 15:37*	*05/14/18 17:36*	*1*
Terphenyl-d14 (Surr)	*73*		*13 - 120*	*05/11/18 15:37*	*05/14/18 17:36*	*1*
Nitrobenzene-d5 (Surr)	*58*		*27 - 120*	*05/11/18 15:37*	*05/14/18 17:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**7.61**		4.84		mg/Kg		05/11/18 15:14	05/13/18 22:54	1
Oil Range Organics (C20-C34)	ND		9.68		mg/Kg		05/11/18 15:14	05/13/18 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*98*		*50 - 150*	*05/11/18 15:14*	*05/13/18 22:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1221	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1232	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1242	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1

Client Sample ID: SB-4-15
Date Collected: 05/03/18 09:30
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-15
Matrix: Solid

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1254	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1260	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1262	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
PCB-1268	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1
Polychlorinated biphenyls, Total	ND		0.0332		mg/Kg		05/11/18 15:42	05/14/18 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 150*	*05/11/18 15:42*	*05/14/18 16:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Arsenic	**9.57**		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Barium	**190**		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Beryllium	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Cadmium	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Chromium	**59.5**		0.980		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Cobalt	**19.6**		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Copper	**39.2**		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Lead	**13.2**		0.980		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Molybdenum	ND		9.80		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Nickel	**112**		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Selenium	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Silver	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Thallium	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Vanadium	**36.6**		9.80		mg/Kg		05/15/18 14:21	05/16/18 12:34	1
Zinc	**73.9**		9.80		mg/Kg		05/15/18 14:21	05/16/18 12:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0992		mg/Kg		05/17/18 09:27	05/17/18 17:46	1

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-5-15
Date Collected: 05/03/18 08:00
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00190		mg/Kg		05/15/18 14:37	05/17/18 14:07	1
Toluene	ND		0.00190		mg/Kg		05/15/18 14:37	05/17/18 14:07	1
Ethylbenzene	ND		0.00190		mg/Kg		05/15/18 14:37	05/17/18 14:07	1
Xylenes, Total	ND		0.00570		mg/Kg		05/15/18 14:37	05/17/18 14:07	1
Methyl tert-butyl ether	ND		0.00190		mg/Kg		05/15/18 14:37	05/17/18 14:07	1
GRO (C4-C12)	ND		0.0951		mg/Kg		05/15/18 14:37	05/17/18 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*05/15/18 14:37*	*05/17/18 14:07*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 14:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*	*05/15/18 14:37*	*05/17/18 14:07*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/15/18 14:37*	*05/17/18 14:07*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5.44**		4.94		mg/Kg		05/11/18 15:14	05/13/18 23:11	1
Oil Range Organics (C20-C34)	ND		9.88		mg/Kg		05/11/18 15:14	05/13/18 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*110*		*50 - 150*	*05/11/18 15:14*	*05/13/18 23:11*	*1*

Client Sample ID: SB-4-GW

Date Collected: 05/03/18 10:00
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			05/08/18 16:45	1
Toluene	ND		1.00		ug/L			05/08/18 16:45	1
Ethylbenzene	ND		1.00		ug/L			05/08/18 16:45	1
Xylenes, Total	ND		3.00		ug/L			05/08/18 16:45	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/08/18 16:45	1
GRO (C4-C12)	ND		50.0		ug/L			05/08/18 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*05/08/18 16:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/08/18 16:45*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*05/08/18 16:45*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*05/08/18 16:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Acenaphthylene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Anthracene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Benzo[a]anthracene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Benzo[a]pyrene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Benzo[b]fluoranthene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Benzo[g,h,i]perylene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Benzo[k]fluoranthene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Pyrene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Phenanthrene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Chrysene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Dibenz(a,h)anthracene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Fluoranthene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Fluorene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Indeno[1,2,3-cd]pyrene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1
Naphthalene	ND		1.90		ug/L		05/08/18 19:36	05/10/18 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*29 - 120*	*05/08/18 19:36*	*05/10/18 11:54*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 120*	*05/08/18 19:36*	*05/10/18 11:54*	*1*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*	*05/08/18 19:36*	*05/10/18 11:54*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		93.5		ug/L		05/08/18 18:26	05/10/18 03:38	1
Oil Range Organics (C20-C34)	ND		93.5		ug/L		05/08/18 18:26	05/10/18 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*79*		*50 - 150*	*05/08/18 18:26*	*05/10/18 03:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1221	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1232	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1242	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-4-GW
Date Collected: 05/03/18 10:00
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-21
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1254	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1260	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1262	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
PCB-1268	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1
Polychlorinated biphenyls, Total	ND		0.515		ug/L		05/07/18 14:10	05/08/18 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*10 - 150*	*05/07/18 14:10*	*05/08/18 18:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0351**	**F1**	0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Silver	ND	F1	0.00500		mg/L		05/07/18 16:32	05/08/18 17:29	1
Barium	**1.21**		0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Beryllium	ND	F1	0.00400		mg/L		05/07/18 16:32	05/08/18 17:29	1
Cadmium	**0.00110**	**F1**	0.00100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Chromium	**0.206**		0.00500		mg/L		05/07/18 16:32	05/08/18 17:29	1
Cobalt	**0.0991**		0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Copper	**0.0895**		0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Nickel	**0.366**		0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Thallium	ND	F1	0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Vanadium	**0.154**		0.0200		mg/L		05/07/18 16:32	05/08/18 17:29	1
Zinc	**0.265**		0.0500		mg/L		05/07/18 16:32	05/08/18 17:29	1
Lead	**0.0387**	**F1**	0.00500		mg/L		05/07/18 16:32	05/08/18 17:29	1
Molybdenum	ND	F1	0.0500		mg/L		05/07/18 16:32	05/08/18 17:29	1
Selenium	**0.0140**	**F1**	0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1
Antimony	ND	F1	0.0100		mg/L		05/07/18 16:32	05/08/18 17:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000218**		0.000200		mg/L		05/09/18 12:57	05/09/18 18:18	1

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-1-GW
Date Collected: 05/03/18 13:20
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			05/08/18 17:11	1
Toluene	ND		1.00		ug/L			05/08/18 17:11	1
Ethylbenzene	ND		1.00		ug/L			05/08/18 17:11	1
Xylenes, Total	ND		3.00		ug/L			05/08/18 17:11	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/08/18 17:11	1
GRO (C4-C12)	ND		50.0		ug/L			05/08/18 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*05/08/18 17:11*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/08/18 17:11*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*05/08/18 17:11*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*05/08/18 17:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		93.5		ug/L		05/08/18 18:26	05/10/18 03:56	1
Oil Range Organics (C20-C34)	ND		93.5		ug/L		05/08/18 18:26	05/10/18 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*97*		*50 - 150*	*05/08/18 18:26*	*05/10/18 03:56*	*1*

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-2-GW
Date Collected: 05/03/18 14:20
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			05/08/18 17:37	1
Toluene	ND		1.00		ug/L			05/08/18 17:37	1
Ethylbenzene	ND		1.00		ug/L			05/08/18 17:37	1
Xylenes, Total	ND		3.00		ug/L			05/08/18 17:37	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/08/18 17:37	1
GRO (C4-C12)	ND		50.0		ug/L			05/08/18 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*05/08/18 17:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/08/18 17:37*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/08/18 17:37*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*05/08/18 17:37*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		93.5		ug/L		05/08/18 18:26	05/10/18 04:13	1
Oil Range Organics (C20-C34)	ND		93.5		ug/L		05/08/18 18:26	05/10/18 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*69*		*50 - 150*	*05/08/18 18:26*	*05/10/18 04:13*	*1*

Client Sample ID: SB-3-GW

Date Collected: 05/03/18 11:20
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			05/08/18 16:18	1
Toluene	ND		1.00		ug/L			05/08/18 16:18	1
Ethylbenzene	ND		1.00		ug/L			05/08/18 16:18	1
Xylenes, Total	ND		3.00		ug/L			05/08/18 16:18	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/08/18 16:18	1
GRO (C4-C12)	ND		50.0		ug/L			05/08/18 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*05/08/18 16:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/08/18 16:18*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*05/08/18 16:18*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/08/18 16:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		93.5		ug/L		05/08/18 18:26	05/10/18 04:30	1
Oil Range Organics (C20-C34)	ND		93.5		ug/L		05/08/18 18:26	05/10/18 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*86*		*50 - 150*	*05/08/18 18:26*	*05/10/18 04:30*	*1*

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-5-GW
Date Collected: 05/03/18 08:40
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-25
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			05/08/18 18:04	1
Toluene	ND		1.00		ug/L			05/08/18 18:04	1
Ethylbenzene	ND		1.00		ug/L			05/08/18 18:04	1
Xylenes, Total	ND		3.00		ug/L			05/08/18 18:04	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/08/18 18:04	1
GRO (C4-C12)	ND		50.0		ug/L			05/08/18 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*05/08/18 18:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/08/18 18:04*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*05/08/18 18:04*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/08/18 18:04*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		94.3		ug/L		05/08/18 18:26	05/10/18 04:47	1
Oil Range Organics (C20-C34)	ND		94.3		ug/L		05/08/18 18:26	05/10/18 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*95*		*50 - 150*	*05/08/18 18:26*	*05/10/18 04:47*	*1*

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

Lab Sample ID: MB 490-513366/11
Matrix: Water
Analysis Batch: 513366

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			05/08/18 15:50	1
Toluene	ND		1.00		ug/L			05/08/18 15:50	1
Ethylbenzene	ND		1.00		ug/L			05/08/18 15:50	1
Xylenes, Total	ND		3.00		ug/L			05/08/18 15:50	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/08/18 15:50	1
GRO (C4-C12)	ND		50.0		ug/L			05/08/18 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*05/08/18 15:50*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*05/08/18 15:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*05/08/18 15:50*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/08/18 15:50*	*1*

Lab Sample ID: LCS 490-513366/3
Matrix: Water
Analysis Batch: 513366

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	53.58		ug/L		107	70 - 130
Toluene	50.0	51.41		ug/L		103	70 - 130
Ethylbenzene	50.0	49.41		ug/L		99	70 - 130
Xylenes, Total	150	146.2		ug/L		97	70 - 132
Methyl tert-butyl ether	50.0	45.28		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCS 490-513366/7
Matrix: Water
Analysis Batch: 513366

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)	1000	989.6		ug/L		99	66 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: LCSD 490-513366/4
Matrix: Water
Analysis Batch: 513366

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	53.92		ug/L		108	70 - 130	1	12
Toluene			50.0	51.61		ug/L		103	70 - 130	0	13
Ethylbenzene			50.0	49.67		ug/L		99	70 - 130	1	12
Xylenes, Total			150	147.7		ug/L		98	70 - 132	1	11
Methyl tert-butyl ether			50.0	43.76		ug/L		88	70 - 130	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-151405-24 MS
Matrix: Water
Analysis Batch: 513366

Client Sample ID: SB-3-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	62.09		ug/L		124	55 - 147
Toluene	ND		50.0	58.25		ug/L		116	64 - 136
Ethylbenzene	ND		50.0	56.38		ug/L		113	65 - 139
Xylenes, Total	ND		150	166.4		ug/L		111	69 - 132
Methyl tert-butyl ether	ND		50.0	56.22		ug/L		112	55 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 490-151405-24 MSD
Matrix: Water
Analysis Batch: 513366

Client Sample ID: SB-3-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	61.51		ug/L		123	55 - 147	1	22
Toluene	ND		50.0	57.90		ug/L		116	64 - 136	1	18
Ethylbenzene	ND		50.0	56.27		ug/L		113	65 - 139	0	18
Xylenes, Total	ND		150	165.4		ug/L		110	69 - 132	1	17
Methyl tert-butyl ether	ND		50.0	51.82		ug/L		104	55 - 141	8	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 490-515525/12
Matrix: Solid
Analysis Batch: 515525

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			05/17/18 10:27	1
Toluene	ND		0.00200		mg/Kg			05/17/18 10:27	1
Ethylbenzene	ND		0.00200		mg/Kg			05/17/18 10:27	1
Xylenes, Total	ND		0.00600		mg/Kg			05/17/18 10:27	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			05/17/18 10:27	1
GRO (C4-C12)	ND		0.100		mg/Kg			05/17/18 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*05/17/18 10:27*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/17/18 10:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*05/17/18 10:27*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*05/17/18 10:27*	*1*

Lab Sample ID: LCS 490-515525/10
Matrix: Solid
Analysis Batch: 515525

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	2.396		mg/Kg		120	48 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCS 490-515525/3
Matrix: Solid
Analysis Batch: 515525

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05288		mg/Kg		106	70 - 130
Toluene	0.0500	0.05874		mg/Kg		117	70 - 130
Ethylbenzene	0.0500	0.05839		mg/Kg		117	70 - 130
Xylenes, Total	0.100	0.1115		mg/Kg		111	70 - 130
Methyl tert-butyl ether	0.0500	0.04329		mg/Kg		87	54 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: LCSD 490-515525/4
Matrix: Solid
Analysis Batch: 515525

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.04823		mg/Kg		96	70 - 130	9	37
Toluene			0.0500	0.05172		mg/Kg		103	70 - 130	13	40
Ethylbenzene			0.0500	0.05039		mg/Kg		101	70 - 130	15	38
Xylenes, Total			0.100	0.09559		mg/Kg		96	70 - 130	15	38
Methyl tert-butyl ether			0.0500	0.04200		mg/Kg		84	54 - 145	3	36

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*88*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-151405-3 MS
Matrix: Solid
Analysis Batch: 515525

Client Sample ID: SB-1-15
Prep Type: Total/NA
Prep Batch: 515725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		0.0469	0.03691		mg/Kg		79	21 - 150		
Toluene	ND		0.0469	0.04241		mg/Kg		90	17 - 150		
Ethylbenzene	ND		0.0469	0.04562		mg/Kg		97	10 - 150		
Xylenes, Total	ND		0.0938	0.09409		mg/Kg		100	10 - 150		
Methyl tert-butyl ether	ND		0.0469	0.02916		mg/Kg		62	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*87*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*74*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-151405-3 MSD
Matrix: Solid
Analysis Batch: 515525

Client Sample ID: SB-1-15
Prep Type: Total/NA
Prep Batch: 515725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0426	0.03580		mg/Kg		84	21 - 150	3	50
Toluene	ND		0.0426	0.04132		mg/Kg		97	17 - 150	3	50
Ethylbenzene	ND		0.0426	0.04193		mg/Kg		98	10 - 150	8	50
Xylenes, Total	ND		0.0852	0.08209		mg/Kg		96	10 - 150	14	50
Methyl tert-butyl ether	ND		0.0426	0.02769		mg/Kg		65	10 - 150	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*113*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*72*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-513566/1-A
Matrix: Water
Analysis Batch: 513888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Acenaphthylene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Anthracene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Benzo[a]anthracene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Benzo[a]pyrene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Benzo[b]fluoranthene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Benzo[g,h,i]perylene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Benzo[k]fluoranthene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Pyrene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Phenanthrene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Chrysene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Dibenz(a,h)anthracene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Fluoranthene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Fluorene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Indeno[1,2,3-cd]pyrene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1
Naphthalene	ND		2.00		ug/L		05/08/18 19:36	05/10/18 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*29 - 120*	*05/08/18 19:36*	*05/10/18 09:51*	*1*
Terphenyl-d14 (Surr)	*88*		*13 - 120*	*05/08/18 19:36*	*05/10/18 09:51*	*1*
Nitrobenzene-d5 (Surr)	*91*		*27 - 120*	*05/08/18 19:36*	*05/10/18 09:51*	*1*

Lab Sample ID: LCS 490-513566/2-A
Matrix: Water
Analysis Batch: 513888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	46.89		ug/L		94	36 - 129
Acenaphthylene	50.0	52.76		ug/L		106	36 - 120
Anthracene	50.0	52.01		ug/L		104	42 - 130
Benzo[a]anthracene	50.0	49.11		ug/L		98	41 - 131
Benzo[a]pyrene	50.0	53.31		ug/L		107	45 - 131
Benzo[b]fluoranthene	50.0	51.11		ug/L		102	43 - 132
Benzo[g,h,i]perylene	50.0	50.62		ug/L		101	38 - 138
Benzo[k]fluoranthene	50.0	53.73		ug/L		107	44 - 129
Pyrene	50.0	51.47		ug/L		103	37 - 129
Phenanthrene	50.0	51.41		ug/L		103	39 - 126
Chrysene	50.0	50.05		ug/L		100	39 - 130
Dibenz(a,h)anthracene	50.0	52.65		ug/L		105	43 - 140
Fluoranthene	50.0	53.45		ug/L		107	31 - 132
Fluorene	50.0	50.03		ug/L		100	37 - 130
Indeno[1,2,3-cd]pyrene	50.0	52.67		ug/L		105	40 - 136
Naphthalene	50.0	44.54		ug/L		89	32 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*78*		*29 - 120*
Terphenyl-d14 (Surr)	*91*		*13 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-513566/2-A
Matrix: Water
Analysis Batch: 513888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513566

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*88*		*27 - 120*

Lab Sample ID: LCSD 490-513566/3-A
Matrix: Water
Analysis Batch: 513888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513566

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			50.0	43.06		ug/L		86	36 - 129	9	50
Acenaphthylene			50.0	47.88		ug/L		96	36 - 120	10	50
Anthracene			50.0	46.89		ug/L		94	42 - 130	10	50
Benzo[a]anthracene			50.0	44.17		ug/L		88	41 - 131	11	50
Benzo[a]pyrene			50.0	47.63		ug/L		95	45 - 131	11	50
Benzo[b]fluoranthene			50.0	46.96		ug/L		94	43 - 132	8	50
Benzo[g,h,i]perylene			50.0	45.88		ug/L		92	38 - 138	10	50
Benzo[k]fluoranthene			50.0	45.94		ug/L		92	44 - 129	16	50
Pyrene			50.0	46.51		ug/L		93	37 - 129	10	50
Phenanthrene			50.0	46.71		ug/L		93	39 - 126	10	50
Chrysene			50.0	45.52		ug/L		91	39 - 130	9	50
Dibenz(a,h)anthracene			50.0	46.63		ug/L		93	43 - 140	12	50
Fluoranthene			50.0	46.50		ug/L		93	31 - 132	14	50
Fluorene			50.0	45.79		ug/L		92	37 - 130	9	50
Indeno[1,2,3-cd]pyrene			50.0	48.82		ug/L		98	40 - 136	8	50
Naphthalene			50.0	35.94		ug/L		72	32 - 120	21	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*29 - 120*
Terphenyl-d14 (Surr)	*81*		*13 - 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*

Lab Sample ID: MB 490-514350/1-A
Matrix: Solid
Analysis Batch: 514628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Acenaphthylene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Anthracene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Benzo[a]anthracene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Benzo[a]pyrene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Benzo[b]fluoranthene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Benzo[g,h,i]perylene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Benzo[k]fluoranthene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Pyrene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Phenanthrene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Chrysene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Dibenz(a,h)anthracene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Fluoranthene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Fluorene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-514350/1-A
Matrix: Solid
Analysis Batch: 514628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1
Naphthalene	ND		0.0670		mg/Kg		05/11/18 13:12	05/14/18 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*29 - 120*	*05/11/18 13:12*	*05/14/18 12:24*	*1*
Terphenyl-d14 (Surr)	*75*		*13 - 120*	*05/11/18 13:12*	*05/14/18 12:24*	*1*
Nitrobenzene-d5 (Surr)	*69*		*27 - 120*	*05/11/18 13:12*	*05/14/18 12:24*	*1*

Lab Sample ID: LCS 490-514350/2-A
Matrix: Solid
Analysis Batch: 514628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.714		mg/Kg		103	36 - 120
Acenaphthylene	1.67	1.837		mg/Kg		110	38 - 120
Anthracene	1.67	1.830		mg/Kg		110	46 - 124
Benzo[a]anthracene	1.67	1.863		mg/Kg		112	45 - 120
Benzo[a]pyrene	1.67	2.018	*	mg/Kg		121	45 - 120
Benzo[b]fluoranthene	1.67	1.952		mg/Kg		117	42 - 120
Benzo[g,h,i]perylene	1.67	1.855		mg/Kg		111	38 - 120
Benzo[k]fluoranthene	1.67	1.992		mg/Kg		120	42 - 120
Pyrene	1.67	1.774		mg/Kg		106	43 - 120
Phenanthrene	1.67	1.813		mg/Kg		109	45 - 120
Chrysene	1.67	1.862		mg/Kg		112	43 - 120
Dibenz(a,h)anthracene	1.67	1.952		mg/Kg		117	32 - 128
Fluoranthene	1.67	1.961		mg/Kg		118	46 - 120
Fluorene	1.67	1.830		mg/Kg		110	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.883		mg/Kg		113	41 - 121
Naphthalene	1.67	1.542		mg/Kg		93	32 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*29 - 120*
Terphenyl-d14 (Surr)	*79*		*13 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-513554/1-A
Matrix: Water
Analysis Batch: 513647

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		100		ug/L		05/08/18 18:26	05/10/18 02:47	1
Oil Range Organics (C20-C34)	ND		100		ug/L		05/08/18 18:26	05/10/18 02:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*96*		*50 - 150*	*05/08/18 18:26*	*05/10/18 02:47*	*1*

Lab Sample ID: LCS 490-513554/2-A
Matrix: Water
Analysis Batch: 513647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513554

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			1000	823.1		ug/L		82	46 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*103*		*50 - 150*

Lab Sample ID: LCSD 490-513554/3-A
Matrix: Water
Analysis Batch: 513647

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513554

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			1000	689.3		ug/L		69	46 - 132	18	31

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*91*		*50 - 150*

Lab Sample ID: MB 490-514229/1-A
Matrix: Solid
Analysis Batch: 514581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg		05/11/18 10:02	05/13/18 18:33	1
Oil Range Organics (C20-C34)	ND		10.0		mg/Kg		05/11/18 10:02	05/13/18 18:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*104*		*50 - 150*	*05/11/18 10:02*	*05/13/18 18:33*	*1*

Lab Sample ID: LCS 490-514229/2-A
Matrix: Solid
Analysis Batch: 514581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			40.0	34.87		mg/Kg		87	54 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*100*		*50 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 490-513181/1-A
Matrix: Water
Analysis Batch: 513383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1221	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1232	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1242	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 490-513181/1-A
Matrix: Water
Analysis Batch: 513383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1254	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1260	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1262	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
PCB-1268	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1
Polychlorinated biphenyls, Total	ND		0.500		ug/L		05/07/18 14:10	05/08/18 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*10 - 150*	*05/07/18 14:10*	*05/08/18 17:35*	*1*

Lab Sample ID: LCS 490-513181/2-A
Matrix: Water
Analysis Batch: 513383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513181

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			5.00	3.102	p	ug/L		62	47 - 144		
PCB-1260			5.00	2.898	p	ug/L		58	45 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*62*	*p*	*10 - 150*

Lab Sample ID: LCSD 490-513181/3-A
Matrix: Water
Analysis Batch: 513383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513181

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			5.00	4.373		ug/L		87	47 - 144	34	50
PCB-1260			5.00	4.493		ug/L		90	45 - 144	43	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*98*		*10 - 150*

Lab Sample ID: MB 490-514385/1-A
Matrix: Solid
Analysis Batch: 514646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1221	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1232	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1242	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1248	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1254	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1260	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1262	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
PCB-1268	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1
Polychlorinated biphenyls, Total	ND		0.0333		mg/Kg		05/11/18 15:42	05/14/18 14:42	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 490-514385/1-A
Matrix: Solid
Analysis Batch: 514646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514385

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*20 - 150*	*05/11/18 15:42*	*05/14/18 14:42*	*1*

Lab Sample ID: LCS 490-514385/2-A
Matrix: Solid
Analysis Batch: 514646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514385

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.1433		mg/Kg		86	60 - 137		
PCB-1260			0.167	0.1429		mg/Kg		86	56 - 141		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*98*		*20 - 150*

Lab Sample ID: LCSD 490-514385/3-A
Matrix: Solid
Analysis Batch: 514646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			0.167	0.1389		mg/Kg		83	60 - 137	3	50
PCB-1260			0.167	0.1395		mg/Kg		84	56 - 141	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*20 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-513237/1-A
Matrix: Water
Analysis Batch: 513591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Barium	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Beryllium	ND		0.00400		mg/L		05/07/18 16:32	05/08/18 17:02	1
Cadmium	ND		0.00100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Chromium	ND		0.00500		mg/L		05/07/18 16:32	05/08/18 17:02	1
Cobalt	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Copper	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Nickel	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Lead	ND		0.00500		mg/L		05/07/18 16:32	05/08/18 17:02	1
Silver	ND		0.00500		mg/L		05/07/18 16:32	05/08/18 17:02	1
Molybdenum	ND		0.0500		mg/L		05/07/18 16:32	05/08/18 17:02	1
Thallium	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Selenium	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Vanadium	ND		0.0200		mg/L		05/07/18 16:32	05/08/18 17:02	1
Antimony	ND		0.0100		mg/L		05/07/18 16:32	05/08/18 17:02	1
Zinc	ND		0.0500		mg/L		05/07/18 16:32	05/08/18 17:02	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 490-513237/2-A
Matrix: Water
Analysis Batch: 513591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.08800		mg/L		88	80 - 120
Barium	0.100	0.09550		mg/L		96	80 - 120
Beryllium	0.100	0.09580		mg/L		96	80 - 120
Cadmium	0.100	0.09180		mg/L		92	80 - 120
Chromium	0.100	0.09510		mg/L		95	80 - 120
Cobalt	0.100	0.09590		mg/L		96	80 - 120
Copper	0.100	0.09440		mg/L		94	80 - 120
Nickel	0.100	0.09340		mg/L		93	80 - 120
Lead	0.100	0.09290		mg/L		93	80 - 120
Silver	0.100	0.08950		mg/L		90	80 - 120
Molybdenum	0.100	0.09520		mg/L		95	80 - 120
Thallium	0.100	0.09430		mg/L		94	80 - 120
Selenium	0.100	0.09340		mg/L		93	80 - 120
Vanadium	0.100	0.09380		mg/L		94	80 - 120
Antimony	0.100	0.09530		mg/L		95	80 - 120
Zinc	0.100	0.09560		mg/L		96	80 - 120

Lab Sample ID: LCSD 490-513237/3-A
Matrix: Water
Analysis Batch: 513591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.09390		mg/L		94	80 - 120	6	20
Barium	0.100	0.09740		mg/L		97	80 - 120	2	20
Beryllium	0.100	0.09740		mg/L		97	80 - 120	2	20
Cadmium	0.100	0.09390		mg/L		94	80 - 120	2	20
Chromium	0.100	0.1117		mg/L		112	80 - 120	16	20
Cobalt	0.100	0.09810		mg/L		98	80 - 120	2	20
Copper	0.100	0.09620		mg/L		96	80 - 120	2	20
Nickel	0.100	0.09590		mg/L		96	80 - 120	3	20
Lead	0.100	0.09430		mg/L		94	80 - 120	1	20
Silver	0.100	0.09060		mg/L		91	80 - 120	1	20
Molybdenum	0.100	0.09680		mg/L		97	80 - 120	2	20
Thallium	0.100	0.09660		mg/L		97	80 - 120	2	20
Selenium	0.100	0.09690		mg/L		97	80 - 120	4	20
Vanadium	0.100	0.09470		mg/L		95	80 - 120	1	20
Antimony	0.100	0.09710		mg/L		97	80 - 120	2	20
Zinc	0.100	0.09730		mg/L		97	80 - 120	2	20

Lab Sample ID: 490-151405-21 MS
Matrix: Water
Analysis Batch: 513591

Client Sample ID: SB-4-GW
Prep Type: Total/NA
Prep Batch: 513237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0351	F1	0.100	0.09750	F1	mg/L		-78	75 - 125
Barium	1.21		0.100	1.024	4	mg/L		-5031	75 - 125
Beryllium	ND	F1	0.100	0.07440	F1	mg/L		59	75 - 125
Cadmium	0.00110	F1	0.100	0.06750	F1	mg/L		62	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 490-151405-21 MS
Matrix: Water
Analysis Batch: 513591

Client Sample ID: SB-4-GW
Prep Type: Total/NA
Prep Batch: 513237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.206		0.100	0.2357	4	mg/L		-795	75 - 125
Cobalt	0.0991		0.100	0.1495	4	mg/L		-346	75 - 125
Copper	0.0895		0.100	0.1416	4	mg/L		-306	75 - 125
Nickel	0.366		0.100	0.3666	4	mg/L		-1464	75 - 125
Lead	0.0387	F1	0.100	0.09580	F1	mg/L		-98	75 - 125
Silver	ND	F1	0.100	0.06970	F1	mg/L		70	75 - 125
Molybdenum	ND	F1	0.100	0.06680	F1	mg/L		67	75 - 125
Thallium	ND	F1	0.100	0.06750	F1	mg/L		68	75 - 125
Selenium	0.0140	F1	0.100	0.08130	F1	mg/L		11	75 - 125
Vanadium	0.154		0.100	0.1869	4	mg/L		-582	75 - 125
Antimony	ND	F1	0.100	0.02930	F1	mg/L		29	75 - 125
Zinc	0.265		0.100	0.2874	4	mg/L		-1035	75 - 125

Lab Sample ID: 490-151405-21 MSD
Matrix: Water
Analysis Batch: 513591

Client Sample ID: SB-4-GW
Prep Type: Total/NA
Prep Batch: 513237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0351	F1	0.100	0.09770	F1	mg/L		-78	75 - 125	0	20
Barium	1.21		0.100	0.9976	4	mg/L		-5057	75 - 125	3	20
Beryllium	ND	F1	0.100	0.07280	F1	mg/L		57	75 - 125	2	20
Cadmium	0.00110	F1	0.100	0.06540	F1	mg/L		60	75 - 125	3	20
Chromium	0.206		0.100	0.2278	4	mg/L		-803	75 - 125	3	20
Cobalt	0.0991		0.100	0.1455	4	mg/L		-350	75 - 125	3	20
Copper	0.0895		0.100	0.1398	4	mg/L		-308	75 - 125	1	20
Nickel	0.366		0.100	0.3558	4	mg/L		-1475	75 - 125	3	20
Lead	0.0387	F1	0.100	0.09410	F1	mg/L		-99	75 - 125	2	20
Silver	ND	F1	0.100	0.06740	F1	mg/L		67	75 - 125	3	20
Molybdenum	ND	F1	0.100	0.06430	F1	mg/L		64	75 - 125	4	20
Thallium	ND	F1	0.100	0.06690	F1	mg/L		67	75 - 125	1	20
Selenium	0.0140	F1	0.100	0.07840	F1	mg/L		8	75 - 125	4	20
Vanadium	0.154		0.100	0.1840	4	mg/L		-585	75 - 125	2	20
Antimony	ND	F1	0.100	0.02670	F1	mg/L		27	75 - 125	9	20
Zinc	0.265		0.100	0.2843	4	mg/L		-1038	75 - 125	1	20

Lab Sample ID: MB 490-515076/1-A
Matrix: Solid
Analysis Batch: 515497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Barium	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Beryllium	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Cadmium	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Chromium	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Cobalt	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Copper	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Nickel	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Lead	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 09:52	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 490-515076/1-A
Matrix: Solid
Analysis Batch: 515497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.980		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Molybdenum	ND		9.80		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Thallium	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Selenium	ND		1.96		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Vanadium	ND		9.80		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Antimony	ND		9.80		mg/Kg		05/15/18 14:21	05/16/18 09:52	1
Zinc	ND		9.80		mg/Kg		05/15/18 14:21	05/16/18 09:52	1

Lab Sample ID: LCS 490-515076/23-A
Matrix: Solid
Analysis Batch: 515497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	10.0	9.500		mg/Kg		95	80 - 120

Lab Sample ID: LCS 490-515076/2-A
Matrix: Solid
Analysis Batch: 515497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	18.5	17.00		mg/Kg		92	80 - 120
Barium	18.5	18.33		mg/Kg		99	80 - 120
Beryllium	18.5	17.78		mg/Kg		96	80 - 120
Cadmium	18.5	17.59		mg/Kg		95	80 - 120
Chromium	18.5	17.78		mg/Kg		96	80 - 120
Cobalt	18.5	18.46		mg/Kg		100	80 - 120
Copper	18.5	17.02		mg/Kg		92	80 - 120
Nickel	18.5	18.20		mg/Kg		98	80 - 120
Lead	18.5	18.13		mg/Kg		98	80 - 120
Molybdenum	18.5	18.50		mg/Kg		100	80 - 120
Thallium	18.5	17.91		mg/Kg		97	80 - 120
Selenium	18.5	17.81		mg/Kg		96	80 - 120
Vanadium	18.5	18.43		mg/Kg		99	80 - 120
Antimony	18.5	17.28		mg/Kg		93	80 - 120
Zinc	18.5	16.72		mg/Kg		90	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-513760/1-A
Matrix: Water
Analysis Batch: 513903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/09/18 12:57	05/09/18 17:21	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 490-513760/2-A
Matrix: Water
Analysis Batch: 513903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.0009893		mg/L		99	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 490-515616/1-A
Matrix: Solid
Analysis Batch: 515866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0993		mg/Kg		05/17/18 09:27	05/17/18 17:18	1

Lab Sample ID: LCS 490-515616/2-A
Matrix: Solid
Analysis Batch: 515866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.162	0.1586		mg/Kg		98	80 - 120

Lab Sample ID: 490-151405-14 MS
Matrix: Solid
Analysis Batch: 515866

Client Sample ID: SB-4-10
Prep Type: Total/NA
Prep Batch: 515616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.165	0.2297		mg/Kg		99	80 - 120

Lab Sample ID: 490-151405-14 MSD
Matrix: Solid
Analysis Batch: 515866

Client Sample ID: SB-4-10
Prep Type: Total/NA
Prep Batch: 515616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.162	0.2289		mg/Kg		101	80 - 120	0	20

GC/MS VOA

Analysis Batch: 513366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	8260B	
490-151405-22	SB-1-GW	Total/NA	Water	8260B	
490-151405-23	SB-2-GW	Total/NA	Water	8260B	
490-151405-24	SB-3-GW	Total/NA	Water	8260B	
490-151405-25	SB-5-GW	Total/NA	Water	8260B	
MB 490-513366/11	Method Blank	Total/NA	Water	8260B	
LCS 490-513366/3	Lab Control Sample	Total/NA	Water	8260B	
LCS 490-513366/7	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-513366/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-151405-24 MS	SB-3-GW	Total/NA	Water	8260B	
490-151405-24 MSD	SB-3-GW	Total/NA	Water	8260B	

Prep Batch: 515088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-3	SB-1-15	Total/NA	Solid	5030B	
490-151405-7	SB-2-15	Total/NA	Solid	5030B	
490-151405-11	SB-3-15	Total/NA	Solid	5030B	
490-151405-14	SB-4-10	Total/NA	Solid	5030B	
490-151405-15	SB-4-15	Total/NA	Solid	5030B	
490-151405-19	SB-5-15	Total/NA	Solid	5030B	

Analysis Batch: 515525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-3	SB-1-15	Total/NA	Solid	8260B	515088
490-151405-7	SB-2-15	Total/NA	Solid	8260B	515088
490-151405-11	SB-3-15	Total/NA	Solid	8260B	515088
490-151405-14	SB-4-10	Total/NA	Solid	8260B	515088
490-151405-15	SB-4-15	Total/NA	Solid	8260B	515088
490-151405-19	SB-5-15	Total/NA	Solid	8260B	515088
MB 490-515525/12	Method Blank	Total/NA	Solid	8260B	
LCS 490-515525/10	Lab Control Sample	Total/NA	Solid	8260B	
LCS 490-515525/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-515525/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
490-151405-3 MS	SB-1-15	Total/NA	Solid	8260B	515725
490-151405-3 MSD	SB-1-15	Total/NA	Solid	8260B	515725

Prep Batch: 515725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-3 MS	SB-1-15	Total/NA	Solid	5030B	
490-151405-3 MSD	SB-1-15	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 513566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	3510C	
MB 490-513566/1-A	Method Blank	Total/NA	Water	3510C	
LCS 490-513566/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-513566/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Analysis Batch: 513888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	8270D	513566
MB 490-513566/1-A	Method Blank	Total/NA	Water	8270D	513566
LCS 490-513566/2-A	Lab Control Sample	Total/NA	Water	8270D	513566
LCSD 490-513566/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	513566

Prep Batch: 514350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	3550C	
490-151405-15	SB-4-15	Total/NA	Solid	3550C	
MB 490-514350/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 490-514350/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 514628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	8270D	514350
490-151405-15	SB-4-15	Total/NA	Solid	8270D	514350
MB 490-514350/1-A	Method Blank	Total/NA	Solid	8270D	514350
LCS 490-514350/2-A	Lab Control Sample	Total/NA	Solid	8270D	514350

GC Semi VOA

Prep Batch: 513181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	3510C	
MB 490-513181/1-A	Method Blank	Total/NA	Water	3510C	
LCS 490-513181/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-513181/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 513383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	8082A	513181
MB 490-513181/1-A	Method Blank	Total/NA	Water	8082A	513181
LCS 490-513181/2-A	Lab Control Sample	Total/NA	Water	8082A	513181
LCSD 490-513181/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	513181

Prep Batch: 513554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	3510C	
490-151405-22	SB-1-GW	Total/NA	Water	3510C	
490-151405-23	SB-2-GW	Total/NA	Water	3510C	
490-151405-24	SB-3-GW	Total/NA	Water	3510C	
490-151405-25	SB-5-GW	Total/NA	Water	3510C	
MB 490-513554/1-A	Method Blank	Total/NA	Water	3510C	
LCS 490-513554/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-513554/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 513647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	8015B	513554
490-151405-22	SB-1-GW	Total/NA	Water	8015B	513554

GC Semi VOA (Continued)

Analysis Batch: 513647 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-23	SB-2-GW	Total/NA	Water	8015B	513554
490-151405-24	SB-3-GW	Total/NA	Water	8015B	513554
490-151405-25	SB-5-GW	Total/NA	Water	8015B	513554
MB 490-513554/1-A	Method Blank	Total/NA	Water	8015B	513554
LCS 490-513554/2-A	Lab Control Sample	Total/NA	Water	8015B	513554
LCSD 490-513554/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	513554

Prep Batch: 514229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-3	SB-1-15	Total/NA	Solid	3550C	
490-151405-7	SB-2-15	Total/NA	Solid	3550C	
490-151405-11	SB-3-15	Total/NA	Solid	3550C	
490-151405-14	SB-4-10	Total/NA	Solid	3550C	
490-151405-15	SB-4-15	Total/NA	Solid	3550C	
490-151405-19	SB-5-15	Total/NA	Solid	3550C	
MB 490-514229/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 490-514229/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 514385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	3550C	
490-151405-15	SB-4-15	Total/NA	Solid	3550C	
MB 490-514385/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 490-514385/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-514385/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 514581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-3	SB-1-15	Total/NA	Solid	8015B	514229
490-151405-7	SB-2-15	Total/NA	Solid	8015B	514229
490-151405-11	SB-3-15	Total/NA	Solid	8015B	514229
490-151405-14	SB-4-10	Total/NA	Solid	8015B	514229
490-151405-15	SB-4-15	Total/NA	Solid	8015B	514229
490-151405-19	SB-5-15	Total/NA	Solid	8015B	514229
MB 490-514229/1-A	Method Blank	Total/NA	Solid	8015B	514229
LCS 490-514229/2-A	Lab Control Sample	Total/NA	Solid	8015B	514229

Analysis Batch: 514646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	8082A	514385
490-151405-15	SB-4-15	Total/NA	Solid	8082A	514385
MB 490-514385/1-A	Method Blank	Total/NA	Solid	8082A	514385
LCS 490-514385/2-A	Lab Control Sample	Total/NA	Solid	8082A	514385
LCSD 490-514385/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	514385

Metals

Prep Batch: 513237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 513237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-513237/1-A	Method Blank	Total/NA	Water	3010A	
LCS 490-513237/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-513237/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
490-151405-21 MS	SB-4-GW	Total/NA	Water	3010A	
490-151405-21 MSD	SB-4-GW	Total/NA	Water	3010A	

Analysis Batch: 513591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	6010B	513237
MB 490-513237/1-A	Method Blank	Total/NA	Water	6010B	513237
LCS 490-513237/2-A	Lab Control Sample	Total/NA	Water	6010B	513237
LCSD 490-513237/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	513237
490-151405-21 MS	SB-4-GW	Total/NA	Water	6010B	513237
490-151405-21 MSD	SB-4-GW	Total/NA	Water	6010B	513237

Prep Batch: 513760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	7470A	
MB 490-513760/1-A	Method Blank	Total/NA	Water	7470A	
LCS 490-513760/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 513903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-21	SB-4-GW	Total/NA	Water	7470A	513760
MB 490-513760/1-A	Method Blank	Total/NA	Water	7470A	513760
LCS 490-513760/2-A	Lab Control Sample	Total/NA	Water	7470A	513760

Prep Batch: 515076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	3051A	
490-151405-15	SB-4-15	Total/NA	Solid	3051A	
MB 490-515076/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 490-515076/23-A	Lab Control Sample	Total/NA	Solid	3051A	
LCS 490-515076/2-A	Lab Control Sample	Total/NA	Solid	3051A	

Analysis Batch: 515497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	6010B	515076
490-151405-15	SB-4-15	Total/NA	Solid	6010B	515076
MB 490-515076/1-A	Method Blank	Total/NA	Solid	6010B	515076
LCS 490-515076/23-A	Lab Control Sample	Total/NA	Solid	6010B	515076
LCS 490-515076/2-A	Lab Control Sample	Total/NA	Solid	6010B	515076

Prep Batch: 515616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	7471B	
490-151405-15	SB-4-15	Total/NA	Solid	7471B	
MB 490-515616/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 490-515616/2-A	Lab Control Sample	Total/NA	Solid	7471B	
490-151405-14 MS	SB-4-10	Total/NA	Solid	7471B	
490-151405-14 MSD	SB-4-10	Total/NA	Solid	7471B	

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Analysis Batch: 515866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-151405-14	SB-4-10	Total/NA	Solid	7471B	515616
490-151405-15	SB-4-15	Total/NA	Solid	7471B	515616
MB 490-515616/1-A	Method Blank	Total/NA	Solid	7471B	515616
LCS 490-515616/2-A	Lab Control Sample	Total/NA	Solid	7471B	515616
490-151405-14 MS	SB-4-10	Total/NA	Solid	7471B	515616
490-151405-14 MSD	SB-4-10	Total/NA	Solid	7471B	515616

Client Sample ID: SB-1-15

Date Collected: 05/03/18 13:05
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-3
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			5.00 g	5.0 mL	515088	05/15/18 14:37	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	515525	05/17/18 10:59	EML	TAL NSH
Total/NA	Prep	3550C			25.61 g	1.00 mL	514229	05/11/18 15:14	AMD	TAL NSH
Total/NA	Analysis	8015B		1			514581	05/13/18 21:45	S1S	TAL NSH

Client Sample ID: SB-2-15

Date Collected: 05/03/18 14:05
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-7
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			5.44 g	5.0 mL	515088	05/15/18 14:37	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	515525	05/17/18 11:30	EML	TAL NSH
Total/NA	Prep	3550C			25.12 g	1.00 mL	514229	05/11/18 15:14	AMD	TAL NSH
Total/NA	Analysis	8015B		1			514581	05/13/18 22:02	S1S	TAL NSH

Client Sample ID: SB-3-15

Date Collected: 05/03/18 10:55
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-11
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			5.00 g	5.0 mL	515088	05/15/18 14:37	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	515525	05/17/18 12:02	EML	TAL NSH
Total/NA	Prep	3550C			25.24 g	1.00 mL	514229	05/11/18 15:14	AMD	TAL NSH
Total/NA	Analysis	8015B		1			514581	05/13/18 22:19	S1S	TAL NSH

Client Sample ID: SB-4-10

Date Collected: 05/03/18 09:25
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-14
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			5.13 g	5.0 mL	515088	05/15/18 14:37	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	515525	05/17/18 13:04	EML	TAL NSH
Total/NA	Prep	3550C			30.58 g	1.00 mL	514350	05/11/18 15:37	AMD	TAL NSH
Total/NA	Analysis	8270D		1			514628	05/14/18 17:14	KME	TAL NSH
Total/NA	Prep	3550C			25.11 g	1.00 mL	514229	05/11/18 15:14	AMD	TAL NSH
Total/NA	Analysis	8015B		1			514581	05/13/18 22:36	S1S	TAL NSH
Total/NA	Prep	3550C			30.52 g	10.00 mL	514385	05/11/18 15:42	AMD	TAL NSH
Total/NA	Analysis	8082A		1			514646	05/14/18 16:28	SLA	TAL NSH
Total/NA	Prep	3051A			0.55 g	100 mL	515076	05/15/18 14:21	WJE	TAL NSH
Total/NA	Analysis	6010B		1			515497	05/16/18 12:29	LCS	TAL NSH
Total/NA	Prep	7471B			0.610 g	100 mL	515616	05/17/18 09:27	RDH	TAL NSH
Total/NA	Analysis	7471B		1			515866	05/17/18 17:26	RDH	TAL NSH

Client Sample ID: SB-4-15

Date Collected: 05/03/18 09:30
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-15

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			5.30 g	5.0 mL	515088	05/15/18 14:37	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	515525	05/17/18 13:35	EML	TAL NSH
Total/NA	Prep	3550C			30.12 g	1.00 mL	514350	05/11/18 15:37	AMD	TAL NSH
Total/NA	Analysis	8270D		1			514628	05/14/18 17:36	KME	TAL NSH
Total/NA	Prep	3550C			25.83 g	1.00 mL	514229	05/11/18 15:14	AMD	TAL NSH
Total/NA	Analysis	8015B		1			514581	05/13/18 22:54	S1S	TAL NSH
Total/NA	Prep	3550C			30.11 g	10.00 mL	514385	05/11/18 15:42	AMD	TAL NSH
Total/NA	Analysis	8082A		1			514646	05/14/18 16:42	SLA	TAL NSH
Total/NA	Prep	3051A			0.51 g	100 mL	515076	05/15/18 14:21	WJE	TAL NSH
Total/NA	Analysis	6010B		1			515497	05/16/18 12:34	LCS	TAL NSH
Total/NA	Prep	7471B			0.605 g	100 mL	515616	05/17/18 09:27	RDH	TAL NSH
Total/NA	Analysis	7471B		1			515866	05/17/18 17:46	RDH	TAL NSH

Client Sample ID: SB-5-15

Date Collected: 05/03/18 08:00
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-19

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			5.26 g	5.0 mL	515088	05/15/18 14:37	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	515525	05/17/18 14:07	EML	TAL NSH
Total/NA	Prep	3550C			25.31 g	1.00 mL	514229	05/11/18 15:14	AMD	TAL NSH
Total/NA	Analysis	8015B		1			514581	05/13/18 23:11	S1S	TAL NSH

Client Sample ID: SB-4-GW

Date Collected: 05/03/18 10:00
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	513366	05/08/18 16:45	JRV	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	513566	05/08/18 19:36	DHC	TAL NSH
Total/NA	Analysis	8270D		1			513888	05/10/18 11:54	NMB	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	513554	05/08/18 18:26	DHC	TAL NSH
Total/NA	Analysis	8015B		1			513647	05/10/18 03:38	S1S	TAL NSH
Total/NA	Prep	3510C			970 mL	5 mL	513181	05/07/18 14:10	KB	TAL NSH
Total/NA	Analysis	8082A		1			513383	05/08/18 18:31	SLA	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	513237	05/07/18 16:32	RDF	TAL NSH
Total/NA	Analysis	6010B		1			513591	05/08/18 17:29	LDC	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	513760	05/09/18 12:57	RDH	TAL NSH
Total/NA	Analysis	7470A		1			513903	05/09/18 18:18	RDH	TAL NSH

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Client Sample ID: SB-1-GW
Date Collected: 05/03/18 13:20
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	513366	05/08/18 17:11	JRV	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	513554	05/08/18 18:26	DHC	TAL NSH
Total/NA	Analysis	8015B		1			513647	05/10/18 03:56	S1S	TAL NSH

Client Sample ID: SB-2-GW
Date Collected: 05/03/18 14:20
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	513366	05/08/18 17:37	JRV	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	513554	05/08/18 18:26	DHC	TAL NSH
Total/NA	Analysis	8015B		1			513647	05/10/18 04:13	S1S	TAL NSH

Client Sample ID: SB-3-GW
Date Collected: 05/03/18 11:20
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	513366	05/08/18 16:18	JRV	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	513554	05/08/18 18:26	DHC	TAL NSH
Total/NA	Analysis	8015B		1			513647	05/10/18 04:30	S1S	TAL NSH

Client Sample ID: SB-5-GW
Date Collected: 05/03/18 08:40
Date Received: 05/05/18 09:30

Lab Sample ID: 490-151405-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	513366	05/08/18 18:04	JRV	TAL NSH
Total/NA	Prep	3510C			1060 mL	1 mL	513554	05/08/18 18:26	DHC	TAL NSH
Total/NA	Analysis	8015B		1			513647	05/10/18 04:47	S1S	TAL NSH

Laboratory References:

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

Method Summary

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
6010B	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
7471B	Mercury (CVAA)	SW846	TAL NSH
3010A	Preparation, Total Metals	SW846	TAL NSH
3051A	Preparation, Metals, Microwave Assisted	SW846	TAL NSH
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL NSH
3550C	Ultrasonic Extraction	SW846	TAL NSH
5030B	Purge and Trap	SW846	TAL NSH
7470A	Preparation, Mercury	SW846	TAL NSH
7471B	Preparation, Mercury	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

Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Project/Site: 7-11 No 38459(CA)

TestAmerica Job ID: 490-151405-1

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	10-31-18

The following analytes are included in this report, but are not accredited/certified under this accreditation/certification:

Analysis Method	Prep Method	Matrix	Analyte
8015B	3510C	Water	Oil Range Organics (C20-C34)
8015B	3550C	Solid	Oil Range Organics (C20-C34)

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7471B	7471B	Solid	Mercury
8082A	3510C	Water	PCB-1016
8082A	3510C	Water	PCB-1221
8082A	3510C	Water	PCB-1232
8082A	3510C	Water	PCB-1242
8082A	3510C	Water	PCB-1248
8082A	3510C	Water	PCB-1254
8082A	3510C	Water	PCB-1260
8082A	3510C	Water	PCB-1262
8082A	3510C	Water	PCB-1268
8082A	3510C	Water	Polychlorinated biphenyls, Total
8082A	3550C	Solid	PCB-1016
8082A	3550C	Solid	PCB-1221
8082A	3550C	Solid	PCB-1232
8082A	3550C	Solid	PCB-1242
8082A	3550C	Solid	PCB-1248
8082A	3550C	Solid	PCB-1254
8082A	3550C	Solid	PCB-1260
8082A	3550C	Solid	PCB-1262
8082A	3550C	Solid	PCB-1268
8082A	3550C	Solid	Polychlorinated biphenyls, Total
8270D	3510C	Water	Acenaphthene
8270D	3510C	Water	Acenaphthylene
8270D	3510C	Water	Anthracene
8270D	3510C	Water	Benzo[a]anthracene
8270D	3510C	Water	Benzo[a]pyrene
8270D	3510C	Water	Benzo[b]fluoranthene
8270D	3510C	Water	Benzo[g,h,i]perylene
8270D	3510C	Water	Benzo[k]fluoranthene
8270D	3510C	Water	Chrysene
8270D	3510C	Water	Dibenz(a,h)anthracene
8270D	3510C	Water	Fluoranthene
8270D	3510C	Water	Fluorene
8270D	3510C	Water	Indeno[1,2,3-cd]pyrene
8270D	3510C	Water	Naphthalene
8270D	3510C	Water	Phenanthrene
8270D	3510C	Water	Pyrene
8270D	3550C	Solid	Acenaphthene
8270D	3550C	Solid	Acenaphthylene
8270D	3550C	Solid	Anthracene
8270D	3550C	Solid	Benzo[a]anthracene
8270D	3550C	Solid	Benzo[a]pyrene

Laboratory: TestAmerica Nashville (Continued)

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	10-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Solid	Benzo[b]fluoranthene
8270D	3550C	Solid	Benzo[g,h,i]perylene
8270D	3550C	Solid	Benzo[k]fluoranthene
8270D	3550C	Solid	Chrysene
8270D	3550C	Solid	Dibenz(a,h)anthracene
8270D	3550C	Solid	Fluoranthene
8270D	3550C	Solid	Fluorene
8270D	3550C	Solid	Indeno[1,2,3-cd]pyrene
8270D	3550C	Solid	Naphthalene
8270D	3550C	Solid	Phenanthrene
8270D	3550C	Solid	Pyrene

Huckaba, Jimmy

From: McConnell, Pat <Pat.McConnell@stantec.com>
Sent: Friday, May 11, 2018 12:59 PM
To: Huckaba, Jimmy; Magee, Amanda
Cc: Klingensmith, Leah
Subject: RE: (Please see notes.) TestAmerica Sample Login Confirmation files from 490-151405 7-11 No 38459(CA)

-External Email-

You can move the due date out-this was my error in missing that the soil samples were on hold (and probably accidentally deleting the e-mail off my phone when I was traveling last week).

Patrick McConnell
CA P.G. #7205
Principal Geologist

Direct: 858-633-4222
Mobile: 619-865-5847

We've moved!
Stantec Consulting Services Inc.
9665 Granite Ridge Drive, Suite 220
San Diego CA 92123 US

From: Huckaba, Jimmy [mailto:Jimmy.Huckaba@testamericainc.com]
Sent: Friday, May 11, 2018 10:52 AM
To: McConnell, Pat <Pat.McConnell@stantec.com>; Magee, Amanda <Amanda.Magee@stantec.com>
Cc: Klingensmith, Leah <Leah.Klingensmith@testamericainc.com>
Subject: RE: (Please see notes.) TestAmerica Sample Login Confirmation files from 490-151405 7-11 No 38459(CA)

This e-mail will work for the request. Do you want these reported separate from the waters or do you want me to move the due date out and report these samples and the waters at the same time. The waters are due Monday.

Thanks,

SHIPPING ALERT: Memorial Day, Monday May 28th 2018
For the upcoming Memorial Day holiday (observed Monday, May 28th) FedEx and UPS will not have scheduled service on Monday May 28th.

If you have BOD samples or any short hold samples arriving Friday May 25th or on the weekend, we ask that you contact your Project Manager in advance to ensure your samples meet all holding time criteria.

We are thankful for your business and hope that you have a wonderful and safe holiday!

JIMMY HUCKABA
Project Manager

TestAmerica Nashville
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5746
www.testamericainc.com

From: McConnell, Pat [mailto:Pat.McConnell@stantec.com]
Sent: Friday, May 11, 2018 12:37 PM
To: Huckaba, Jimmy; Magee, Amanda
Cc: Klingensmith, Leah
Subject: RE: (Please see notes.) TestAmerica Sample Login Confirmation files from 490-151405 7-11 No 38459(CA)

-External Email-

Jimmy

On the attached COC, please analyze the following samples:

SB-1-15
SB-2-15
SB-3-15
SB-4-10
SB-4-15
SB-5-15

Do you need me to change the COC to reflect this?

Patrick McConnell
CA P.G. #7205
Principal Geologist

Direct: 858-633-4222
Mobile: 619-865-5847

We've moved!
Stantec Consulting Services Inc.
9665 Granite Ridge Drive, Suite 220
San Diego CA 92123 US

From: Huckaba, Jimmy [mailto:Jimmy.Huckaba@testamericainc.com]
Sent: Friday, May 11, 2018 9:40 AM
To: Magee, Amanda <Amanda.Magee@stantec.com>

Cc: McConnell, Pat <Pat.McConnell@stantec.com>; Klingensmith, Leah <Leah.Klingensmith@testamericainc.com>
Subject: FW: (Please see notes.) TestAmerica Sample Login Confirmation files from 490-151405 7-11 No 38459(CA)

Amanda,

Here is the confirmation and response from Jenna you just called me about. I will make sure you are added to receive the final report.

Thanks,

SHIPPING ALERT: Memorial Day, Monday May 28th 2018
For the upcoming Memorial Day holiday (observed Monday, May 28th) FedEx and UPS will not have scheduled service on Monday May 28th.

If you have BOD samples or any short hold samples arriving Friday May 25th or on the weekend, we ask that you contact your Project Manager in advance to ensure your samples meet all holding time criteria.

We are thankful for your business and hope that you have a wonderful and safe holiday!

JIMMY HUCKABA
Project Manager

TestAmerica Nashville
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5746
www.testamericainc.com

From: Martinez, Jenna [mailto:Jenna.Martinez@stantec.com]
Sent: Monday, May 07, 2018 12:04 PM
To: Huckaba, Jimmy; McConnell, Pat
Subject: RE: (Please see notes.) TestAmerica Sample Login Confirmation files from 490-151405 7-11 No 38459(CA)

-External Email-

Hi Jimmy –

Since Pat is out of the office, I'll take a stab at answering these questions. Pat will be back in the office tomorrow afternoon. Please see below:

Jenna Martinez
CSST, LRCST
Senior Scientist

Direct: (858) 633-4247 **(New!)**
Mobile: (619) 302-8471

Please note new address below:
Stantec Consulting Services Inc.
9665 Granite Ridge Drive, Suite 220
San Diego CA 92123 US

From: Huckaba, Jimmy [mailto:jimmy.huckaba@testamericainc.com]
Sent: Monday, May 07, 2018 9:16 AM
To: Martinez, Jenna <Jenna.Martinez@stantec.com>; McConnell, Pat <Pat.McConnell@stantec.com>
Subject: (Please see notes.) TestAmerica Sample Login Confirmation files from 490-151405 7-11 No 38459(CA)

Hello,

Attached, please find the Sample Confirmation files for job 490-151405; 7-11 No 38459(CA)

Note: Do you need the GRO ran by 8260 or LUFT? 8260
For the DRO request, do you also need ORO? I would say yes since the boring appears to be related to a waste oil UST location
Do you want the Trip Blank ran? No
What is the global ID for this project? No global ID, no EDF required

Please feel free to contact me or your PM, Leah Klingensmith, if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

JIMMY HUCKABA
Project Manager

TestAmerica Nashville
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 615.301.5746

Reference: [445313]
Attachments: 3

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-151405 Chain of Custody

Cooler Received/Opened On 5/5/2018 @ 0930

Time Samples Removed From Cooler 19:09 Time Samples Placed In Storage 1937 (2 Hour Window)

1. Tracking # 9600 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 0.1 *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: None

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 (intial) EJ

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 (intial) AOH

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 (intial) AOH

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 (intial) AOH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

Loc: 490
151405

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 5/5/2018 @ 0930

Time Samples Removed From Cooler 1404 Time Samples Placed In Storage 1937 (2 Hour Window)

1. Tracking # 9611 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 31470366 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 1.4 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 (intial) ADH 5/5/18

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 ADH 5/5/18

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 (intial) ADH

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 (intial) ADH

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 (intial) ADH

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

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

BIS = Broken in shipment

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916.373.5600 Fax:

Chain of Custody Record

240268

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Pat McConnell	Site Contact: Devon Owens	Date: 5-3-18	COC No:
Company Name: Stantec	Tel/Fax: 619-865-5847	Lab Contact:	Carrier:	1 of 3 COCs
Address: 9665 Granite Ridge Dr	Analysis Turnaround Time			Sampler:
City/State/Zip: San Diego CA 92123	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 858-633-4222	TAT if different from Below		Loc: 490	Walk-in Client:
Fax:	☒ 2 weeks		151405	Lab Sampling:
Project Name: 7-11 # 38459	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPH-G, BTEX, MTBE	TPH-D	CAM Metals	PAH's 8270	PCB's 8082	Sample Specific Notes:
SB-1-5	5-3-18	1255	G	S	1			X	X				Hold
SB-1-10		1300											Hold
SB-1-15		1305											Hold
SB-1-20		1310											Hold
SB-2-5		1355											Hold
SB-2-10		1400											Hold
SB-2-15		1405											Hold
SB-2-20		1410											Hold
SB-3-5		1045											Hold
SB-3-10		1050											Hold
SB-3-15		1055											Hold
SB-3-20	↓	1100	↓	↓	↓			↓	↓				Hold

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Contact Pat.McConnell@stantec.com for Analysis → CC: Amanda.Magee@stantec.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Devon Owens	Stantec	1115 5/4/18		TAL SAC	5/4/18 1115
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		5-4-18 1630		TA-NAS	5/5/18 0930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916.373.5600 Fax:

Chain of Custody Record 240269

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Pat McConnell	Site Contact: Devon Owens	Date: 5-3-18	COC No:
Company Name: Stantec	Tel/Fax: 619-865-5847	Lab Contact:	Carrier:	2 of 3 COCs
Address: 9665 Granite Ridge Dr	Analysis Turnaround Time			Sampler:
City/State/Zip: San Diego CA 92123	☐ CALENDAR DAYS ☑ WORKING DAYS		Loc: 490 151405	For Lab Use Only:
Phone: 858-633-4222	TAT if different from Below			Walk-in Client:
Fax:	☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: 7-11 #38459				Job / SDG No.:
Site:				
PO #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPH-G, BTEX, MTBE	TPH-D	CAM Metals	PAHs 8270	PCBs 8082	Sample Specific Notes:
SB-4-5	5-3-18	920	G	S	1			X	X	X	X	X	Hold
SB-4-10	↓	925	↓	↓	↓			↓	↓	X	X	X	Hold
SB-4-15		930								X	X	X	Hold
SB-4-20		935								X	X	X	Hold
SB-5-5		750						X	X				Hold
SB-5-10		755						↓	↓				Hold
SB-5-15		800											Hold
SB-5-20	↓	810	↓	↓	↓			↓	↓				Hold

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:
Contact Pat.McConnell@Stantec.com for Analysis → CC: Amanda.Magee@stantec.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Devon Owens	Stantec	1115 5/4/18		TAMAC	5/4/18 1115
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAS DC	5-4-1630		TA-NAS	5/5/18 0930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TestAmerica Sacramento

880 Riverside Parkway

West Sacramento, CA 95605
Phone: 916.373.5600 Fax:

Chain of Custody Record 240267

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Pat McConnell	Site Contact: Devon Owens	Date: 5-3-18	COC No:
Company Name: Stantec	Tel/Fax: 619-865-5847	Lab Contact:	Carrier:	3 of 3 COCs
Address: 9665 Granite Ridge Dr	Analysis Turnaround Time			Sampler:
City/State/Zip: San Diego CA 92123	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 858-633-4222	TAT if different from Below			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: 7-11 #38459	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPH-G, MTBE, BTEX	TPH-D	CAM Metals	PAH's 8270	PCB's 8082	Sample Specific Notes:
SB-4-GW	5-3-18	1000	G	W	7			X	X	X	X	X	
SB-1-GW		1320			4			X	X				
SB-2-GW		1420			4			X	X				
SB-3-GW		1120			4			X	X				
SB-5-GW		840			4			X	X				

Loc: 490
151405

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:
Email Results to Pat.McConnell@stantec.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Devon Owens	Stantec	1115 5/4/18		TASAC	5/4/18 1115
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		5/4/18 1650		TA-NAS	5/5/18 0930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

0.1, 1.4