Appendix G2

Phase II Subsurface Investigation

CITADEL ENVIRONMENTAL SERVICES, INC.

assess
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PRIVILEGED AND CONFIDENTIAL

May 16, 2017

Dilip Bhavnani
Chief Operating Officer
LEGENDARY DEVELOPMENTS LLC
6315 Bandini Boulevard
Commerce, California 90040

Re: CITADEL Project No. 0231.1009.0
Phase II Subsurface Investigation
405-411 South Hewitt Street; 900, 910 and 925 East 4th Street;
and 412 Colyton Street
Los Angeles, California 90013

Dear Mr. Bhavnani:

Citadel Environmental Services, Inc. is pleased to provide Legendary Developments LLC with this Phase II Subsurface Investigation Report for the above-referenced location.

The Phase II Subsurface Investigation was conducted for Legendary Developments LLC in accordance with Citadel's Proposal 0231.1009.P, dated March 27, 2017, and a mutually agreed upon scope of work.

If, after your review, you have any questions or require additional information, please do not hesitate to telephone me at the Citadel Office in Glendale at (818) 246-2707.

Sincerely,
CITADEL ENVIRONMENTAL SERVICES, INC.

Mark Drollinger

Digitally signed by Mark Drollinger
DN: cn=Mark Drollinger, o=Citadel Environmental Services, Inc., ou=Director, Environmental Geology and Engineering, email=mdrollinger@citadelenvironmental.com, c=US
Date: 2017.06.01 11:02:16 -07'00'

Mark Drollinger M. Eng., CSP, CHMM, EiT
Director, Engineering and Environmental Sciences

Enclosure

CITADEL ENVIRONMENTAL SERVICES, INC.

assess
resolve
strengthen

Legendary Developments LLC
6315 Bandini Boulevard
Commerce, California 90040

Phase II Subsurface Investigation

May 16, 2017

Citadel Project Number 0231.1009.0

405-411 South Hewitt Street; 900, 910, 926 East 4th Street; and 412 Colyton Street
Los Angeles, California 90013

www.citadelenvironmental.com

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APPENDICES

1.0 INTRODUCTION

Citadel Environmental Services, Inc., (Citadel) was contacted by Legendary Developments, LLC (Client) to conduct a Phase II Subsurface Investigation consisting of the collection of soil and methane gas for the properties located at 405-411 South Hewitt Street; 900, 910, and 926 East 4th Street; and 412 Colyton Street, in Los Angeles, California (Site). A Site Location and Site Map are attached as Figures 1 and 2, respectively.

The Site comprises 57,063 square feet (SF) of land and is associated with the following Assessor's Parcel Numbers (APNs):

5163-022-001: 926 East 4th Street
5163-022-002: 910 East 4th Street
5163-022-003: 900 East 4th street
5163-022-005: 412 Colyton Street
5163-022-023: 407 and 411 South Hewitt Street
5163-022-022:405 South Hewitt Street

2.0 BACKGROUND

Citadel performed an Environmental Document Review of the Site in December 2010[1]. In 2010, the Site consisted of two commercial retail/office buildings and a garage/shop building, totaling approximately 26,136 SF, and a surface parking lot. A single-story retail building was located on the northwest corner of the Site at 900 East 4th Street. The remaining area of the Site was comprised of a fenced yard area containing a small single-story office building occupied by Miller Law Associates at 405 Hewitt Street and a vacant garage/shop building at 411 Hewitt Street, which included a floor pit for auto repairs. Large auto and truck washing equipment was located to the north of the garage building, and included a subsurface drain system, which directed wastewater through several underground separators to a three-stage clarifier located to the east of the garage building. The yard, office and garage were reportedly occupied by a local transit company, which operated small buses out of the Site. There were no buildings at the 910 and 926 East 4th Street or 412 Colyton Street addresses. These areas of the Site were comprised of paved parking/yard areas.

In October, 2016, Citadel completed a Phase I Environmental Site Assessment [2]. The Site consisted of four one-story commercial structures and parking areas. 926 East 4th Street, 910 East 4th Street, and 407 and 411 South Hewitt Street, were occupied as a parking lot in the northeast portion of the Site. The property at 900 East 4th Street consisted of one 7,800 square foot structure occupied by A+D Architecture and Design Museum. The property at 412 Colyton Street was located south of the museum and consisted of a 1,000 square foot storage structure and associated parking for the museum. The 411 South Hewitt Street parcel located in the southeast portion of the Site consisted of a 3,500 square foot office building, a 2,500 square foot storage/garage structure, and associated surface parking.

Citadel understands that a limited subsurface investigation was performed at the Site by Smith-Emery GeoServices in November 2004. The investigation included advancing one soil boring at each end of the clarifier located at 411 South Hewitt Street, to a depth of approximately 11 feet

[1] Citadel Environmental Services, Inc., Environmental Document Review, Downtown Los Angeles Portfolio, Seven (7) Properties, Los Angeles, California, December 20, 2010.

[2] Citadel Environmental Services, Inc., Phase I Environmental Site Assessment Report, 405-411 South Hewitt Street, 900, 910, and 926 East 4th Street, and 412 Colyton Street, October 3, 2016.

below ground surface (bgs). Soil samples were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). No contaminants were identified in the soil samples collected and analyzed.

Citadel further understands that the Site is located within the City of Los Angeles Methane Zone recognized by the Los Angeles Department of Building and Safety (LADBS). In March 2004, Ordinance Number 175790 was adopted into the Los Angeles Building Code (LABC) (Section 91.106.4.1 and Division 71, Chapter IX) to establish citywide methane mitigation requirements, and included updated construction standards to control methane intrusion into buildings. This ordinance established defined geographic areas as Methane Zones and Methane Buffer Zones, which relate to specific assessment and mitigation requirements per area, and set forth a standard of assessment and mitigation in the planning stages of all new construction in these areas. Table 1A Mitigation Requirements for Methane Zone is provided as an Attachment.

Based on historic occupancies and uses of the Site for auto repair and servicing, truck washing and presence of a three-stage clarifier; and that the Site lies within the Los Angeles City Methane Zone, Citadel proposed to complete a subsurface investigation consisting of the collection of soil samples for analysis of total petroleum hydrocarbons, volatile organic compounds and hazardous metals; and the collection of soil gas to evaluate for the presence of methane.

3.0 GEOLOGY/HYDROGEOLOGY

The Site is approximately 260 feet[3] above mean sea level (amsl) and located within the Peninsular Ranges Geomorphic Province of Southern California. This Province consists of a series of mountain ranges separated by northwest trending valleys subparallel to faults that branch from the San Andreas Fault. Specifically, the Site is located within the coastal plain of Los Angeles County, California. The coastal plain is bounded by the Santa Monica and San Gabriel Mountains to the north, the Elysian, Repetto, Merced and Puente Hills to the east, the Palos Verdes Hills to the South and the Pacific Ocean to the west. The major physiographic feature near the Site is the Los Angeles River which is located about 2,000 feet to the east.

The Site is underlain by alluvium consisting of unconsolidated floodplain deposits of silt, sand and gravel. The major groundwater aquifers within the Site boundary include the Recent Quaternary alluvium that forms part of the Gaspur Aquifer, underlain by the Exposition and Gage Aquifers of the Upper Pleistocene Lakewood Formation. The Gaspur Aquifer occurs from the ground surface to approximately 70 feet below ground surface (bgs), the combined Exposition and Gage Aquifers extend to approximately 150 feet bgs[4].

According to monitoring well data available in the Geotracker database, depth to groundwater is approximately 98.3 feet bgs in a monitoring well located approximately one block south of the site and last measured on June 25, 2009.

4.0 HEALTH AND SAFETY PLAN

A site-specific health and safety plan (HASP) was prepared by Citadel prior to on-site activities. This HASP identified existing and potential hazards for workers at the Site during drilling and sample collection activities. A copy of the HASP is included in Appendix A.

[3] USGS (United States Geologic Survey) 2015. 7.5 Minute Quadrangle Series (Topographic), Los Angeles, California.

[4] CDWR (California Department of Water Resources Bulletin 104), 1961. Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County.

Contractors working on-Site will be responsible for preparing their own HASPs and for operating in accordance with the most current Occupational Safety and Health Administration (OSHA) regulations, including 29 CFR 1910.120, *Hazardous Waste Operations and Emergency Response* and 29 CFR 1926, *Construction Industry Standards* as well as other applicable Federal, State and local laws and regulations.

5.0 GEOPHYSICAL SURVEY

A geophysical survey was conducted on April 18, 2017 by Subsurface Surveys to locate and identify, within the limits of the survey equipment, piping, conduit, and other buried features that may exist around six (6) specific locations designated by Citadel for guidance in future digging activities. A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced. The areas to be surveyed, along with the specific borehole locations, were indicated in the field by Citadel and were located on three separate properties; 900 East 4th Street, 411 South Hewitt Street, and 412 Colyton Street.

The magnetic gradiometer, line tracer, EM61, M-Scope and GPR were traversed systematically over each borehole along the eight lines of the standard search pattern, wherein, there are two sets of three parallel lines, mutually orthogonal, and two diagonals, all centered on the marked drill location. Adjacent parallel lines are approximately five feet apart, and each line is approximately 20 feet long, access permitting. Other traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. The full geophysical survey report is attached in Appendix B.

6.0 SITE INVESTIGATIONS

Methane

The LADBS protocol requires shallow soil gas testing at a rate of one shallow soil gas sample per 10,000 SF of Site area. Shallow probes are advanced to at least four feet bgs. Results of the methane concentration data from the shallow soil gas tests were used to identify locations for deeper soil gas probe sets, which are set for every 20,000 SF of area. Each gas probe set consisted of nested probes installed at approximately five, 10 and 20 feet below the elevation of the lowest building slab or footing. The deepest footing proposed for the Site is approximately 40 feet bgs, therefore soil gas probes were installed at 45, 50 and 60 feet bgs for each gas probe set. Based on the approximate area of the Site of 60,000 SF, six Shallow soil gas probes and three gas probe sets were placed throughout the Site.

On April 18, 2017 Citadel advanced shallow soil gas probes at six locations (SV-1, SV-2, SV-3, SV-4, SV-5 and SV-6) as shown on Figure 3 - Boring Locations Map. The probes were installed using a hammer drill to push a stainless-steel soil gas vapor probe to five feet bgs, with the exception of SV-4. Due to subsurface obstructions, a shallow probe could not be placed at this location. The soil gas probe tips were emplaced in six inches of No. 3 sand, followed by six inches of hydrated bentonite and dry bentonite chips to the surface. Once installed, the subsurface soil gas was allowed to equilibrate back to undisturbed conditions before extracting a sample. This process is approximately two hours. At the appropriate time, Citadel staff used a hand-held LandTec 2000 (Landtec) field instrument to monitor the percentage of methane, carbon monoxide (CO), and percent oxygen (O_2) along with subsurface vapor pressure measured in inches of water (H_2O). The performance range and acceptable error of the Landtec represents a minimum standard to evaluate the percent methane, vapor pressure and Barometric pressure. The Landtech is

designed to measure methane concentrations in the range of 0 to 100% which is in line with the LADBS requirement of a 0.1% minimum detection limit. However, the calibration error has a standard of 3%+/-. For all practical purposes real-time measurements for methane concentrations below 1,000 ppmv, or 0.1%, will be measured as zero with the Landtec.

On April 18 and April 19, 2017, methane was not detected above the minimum detection range of the Landtec in the five probe locations with associated vapor pressures ranging from -0.002 to 0.134 inches H_2O. Since methane was not detected above the Landtec's minimum range in the shallow probes, the three locations for the Gas Probe Sets were selected as one location in each of the three parking lots at the Site near shallow borings SV-2, SV-3 and SV-5.

On April 19, 2017, Choice Drilling, Inc. (Choice) at the direction of Citadel used a Geoprobe drill rig to install the deep gas probe sets. Due to heaving sands, the Geoprobe rig encountered refusal at approximately 30 feet bgs at each location. To collect minimum methane data, gas probe sets were installed at each boring location at 15 and 30 feet bgs. The probes were centered in approximately one foot of No.3 sand, followed by one foot of hydrated bentonite and dry bentonite chips. Methane was not detected above the Landtec's minimum detection limit in any of the probes with associated pressures ranging from -0.024 to 0.022 inches H_2O.

Since the depths of these probes did not meet the LADBS protocol, a hollow stem auger drill rig was mobilized to the Site on April 29, 2017 to install three gas probe sets to the required depths. Boring B1 was located between the locations of SV-1 and SV-2, B2 was located at the location of the proposed SV-4 and B3 was located adjacent to SV-3. According to Citadel's 2016 Phase I ESA, the former truck wash rack may have been located where Boring B2 was placed. Each of the three borings were advanced to approximately 70 feet bgs with soil vapor probes set at 45, 50 and 60 feet bgs in each boring. The probes were centered in approximately two feet of No. 3 sand, followed by one foot of hydrated bentonite and dry bentonite chips.

Field measurements from the nested probes in Borings 1, 2 and 3 were taken with the LandTec on May 4 and May 7, 2017. Methane was not detected above the minimum detection range in any of the probes with no pressures measured by the Landtec. The Landtec results from all probes are included in Table 1.

Soil

To identify and define the extent of any potential subsurface contamination from the onsite wastewater clarifier, auto repair floor pit, several wastewater separator structures, and the former truck wash rack, Citadel collected soil samples from across the Site to evaluate the current subsurface conditions. However, due to the occupied use of the garage, office building and parking lot, Citadel did not perform the Phase II assessment of the onsite wastewater clarifier, auto repair floor pit, and several wastewater separator structures.

Citadel collected soil samples at approximately 10, 20 and 30 feet bgs from Borings 1, 2 and 3 on April 29, 2017. The samples were field screened for VOCs using a Photoionization Device (PID) and utilized for descriptive purposes.

The soil samples were analyzed for chemicals of potential concern (COPC) consisting of Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Motor Oil Range Organics (MORO) by EPA Method 8015B and VOCs by EPA Method 8260B. Title 22 metals were analyzed by EPA Methods 6020/7471 in one sample (B1) for waste disposal purposes.

The results of laboratory analysis are included in Tables 2 and 3, Methane Survey Results and Chemicals of Potential Concern in Soil, respectively. The boring logs are included in Appendix C, and the full laboratory reports are included in Appendix D.

7.0 SAMPLING RESULTS

Field measurements of methane, CO_2, O_2, and soil vapor pressure were measured with a hand-held LandTec. Methane was not detected at or above the minimum detection limit of the instrument and no vapor pressures were observed above two inches of H_2O.

The soil samples from B1 through B3 were analyzed for GRO, DRO and MORO by EPA Method 8015B, VOCs by EPA Method 8260B and Title 22 Metals by EPA Method 6020/7471, respectively. MORO was detected in B2 at 10 feet bgs at a concentration of 81 milligram per kilogram (mg/kg). No GRO, DRO or VOCs were detected in the samples analyzed. Metals detected in a soil sample collected for the purpose waste profiling and disposal included arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc.

8.0 INVESTIGATION DERIVED WASTE

In the process of collecting environmental samples, the sampling team generated different types of potentially contaminated investigation derived waste (IDW) that included the following:

- Used personal protective equipment (PPE) – disposable gloves
- Disposable sampling equipment – unused sampling media, packing material, debris
- Soil

The EPA's National Contingency Plan requires that management of IDW generated during sampling comply with all applicable or relevant and appropriate requirements to the extent practicable. The sampling plan followed the Office of Emergency and Remedial Response Directive 9345.3-02 (May 1991), which provides guidance for the management of IDW. In addition, other legal and practical considerations that may affect the handling of IDW were considered.

The IDW was collected throughout the project and discarded in 14 55-gallon DOT-rated drum for final disposal following the conclusion of all soil disturbance and sampling activities. Upon approval of the disposal profile, the non-hazardous IDW was transported by a qualified and licensed hauler to the Soil Safe recycling facility in Adelanto, California, under an appropriate manifest. A copy of the non-hazardous waste manifest is included in Appendix E.

9.0 CONCLUSIONS

The current investigation was intended to provide an independent assessment of methane risks based on the location of the site within the LADBS Methane Zone. Methane was not detected above the Landtec's minimum detection limit from any of the soil vapor probes installed at depths ranging from five to 60 feet bgs and pressures were less than two inches H_2O in all probes.

The Site is located within the Methane Zone as defined by the LADBS. Based on the concentrations detected and that total pressure was less than two inches of H_2O, the Site meets the minimum methane mitigation requirements for Site Design Level II, as shown in Table 1A.[5] This design level

[5] The mitigation designs for Level I and Level II are identical for projects located in the LADBS Methane Zone with methane concentrations from zero to 1,000 ppmv (or 0-0.1%), and less than or equal to two inches of water.

will require a passive mitigation system including sub slab venting and an impervious membrane for each new structure.[6] The Certificate of Compliance for Methane Test Data is included in Appendix F.

MORO was detected at 81 mg/kg in one soil sample. This location may have previously been used as a Truck wash rack. The concentration of MORO is below the EPA's Regional Screening Levels (RSL). GRO, DRO and VOCs were not detected above the reporting limit in the samples analyzed. The concentrations of the metals detected were all below their respective RSLs and represent naturally occurring background levels.

The proposed assessment of the areas associated with the former vehicle maintenance operations was not conducted due to current use of the garage and the adjacent office building.

Due to historical occupancies of the Site for vehicle repair and truck washing, limited access to evaluate the subsurface conditions and the presence of subsurface MORO at one location, Citadel recommends that a soil management plan (SMP) be completed for the Site prior to demolition of structures and soil disturbance activities. The objective of the SMP is to establish policy and requirements for the management and disposal of soils generated during construction, maintenance, and other activities that might disturb potentially contaminated soil.

The purpose of the SMP is to describe specific soil-handling controls required for complying with local, state and federal overseeing agencies; prevent unacceptable exposure to contaminated soil, and prevent the improper disposal of contaminated soils. Soil-disturbing activities include excavation, grading, trenching, utility installation or repair, and any other human activities that could potentially bring contaminated soil to the surface.

Further, Citadel recommends that a supplemental subsurface investigation be conducted of those areas that were not accessible during this Phase II Subsurface Investigation prior to any redevelopment at the Site. Due to the low level of petroleum hydrocarbons as MORO reported at B2 at 10 feet bgs, the supplemental Phase II would include the former truck wash rack.

10.0 LIMITATIONS

This Phase II Subsurface Investigation was performed in accordance with generally and currently accepted engineering practices and principles; however, the procedures and methodologies used in this investigation are not intended to meet any specific regulatory guidelines as this work was completed as a self-directed effort. Although the data in this report is indicative of subsurface conditions in areas investigated, no further conclusions regarding the absence or presence of subsurface contamination at the site should be construed or inferred other than those expressly stated in this report. The conclusions made are based on information obtained from field observations, independent laboratory analytical results, and from relevant Federal, State, regional, and local agencies.

[6] Los Angeles Department of Building Safety Ordinance No. 175790, March 29, 2004.

11.0 SIGNATURES

Report Prepared by:

T. Michael Pendergrass

Digitally signed by T. Michael Pendergrass
DN: cn=T. Michael Pendergrass, o=Citadel Environmental Services, Inc., ou=Senior Project Geologist, email=MPendergrass@citadelenvironmental.com, c=US
Date: 2017.06.01 11:02:38 -07'00'

T. Michael Pendergrass, P.G. #5685
Senior Project Geologist

Reviewed by

Mark Drollinger

Digitally signed by Mark Drollinger
DN: cn=Mark Drollinger, o=Citadel Environmental Services, Inc., ou=Director, Environmental Geology and Engineering, email=mdrollinger@citadelenvironmental.com, c=US
Date: 2017.06.01 11:02:50 -07'00'

Mark Drollinger, M. Eng., CSP, CHMM, EiT
Director, Engineering and Environmental Sciences

CITADEL
ENVIRONMENTAL SERVICES, INC.

Figures

N

Not to Scale

Source: USGS, Los Angeles Quadrangle, 2012, 7.5 Minute Series

CITADEL ENVIRONMENTAL SERVICES, INC.

LEGENDARY DEVELOPMENT, LLC
405-411 South Hewitt Street
900, 910 and 925 East 4th Street
412 Colyton Street
Los Angeles, California

Figure 1

PROJECT NO.: 0231.1009.0

DATE: MAY 2017

Site Location Map

- Approximate Site Boundaries

N

Source: Google Earth

Not to Scale

CITADEL ENVIRONMENTAL SERVICES, INC.

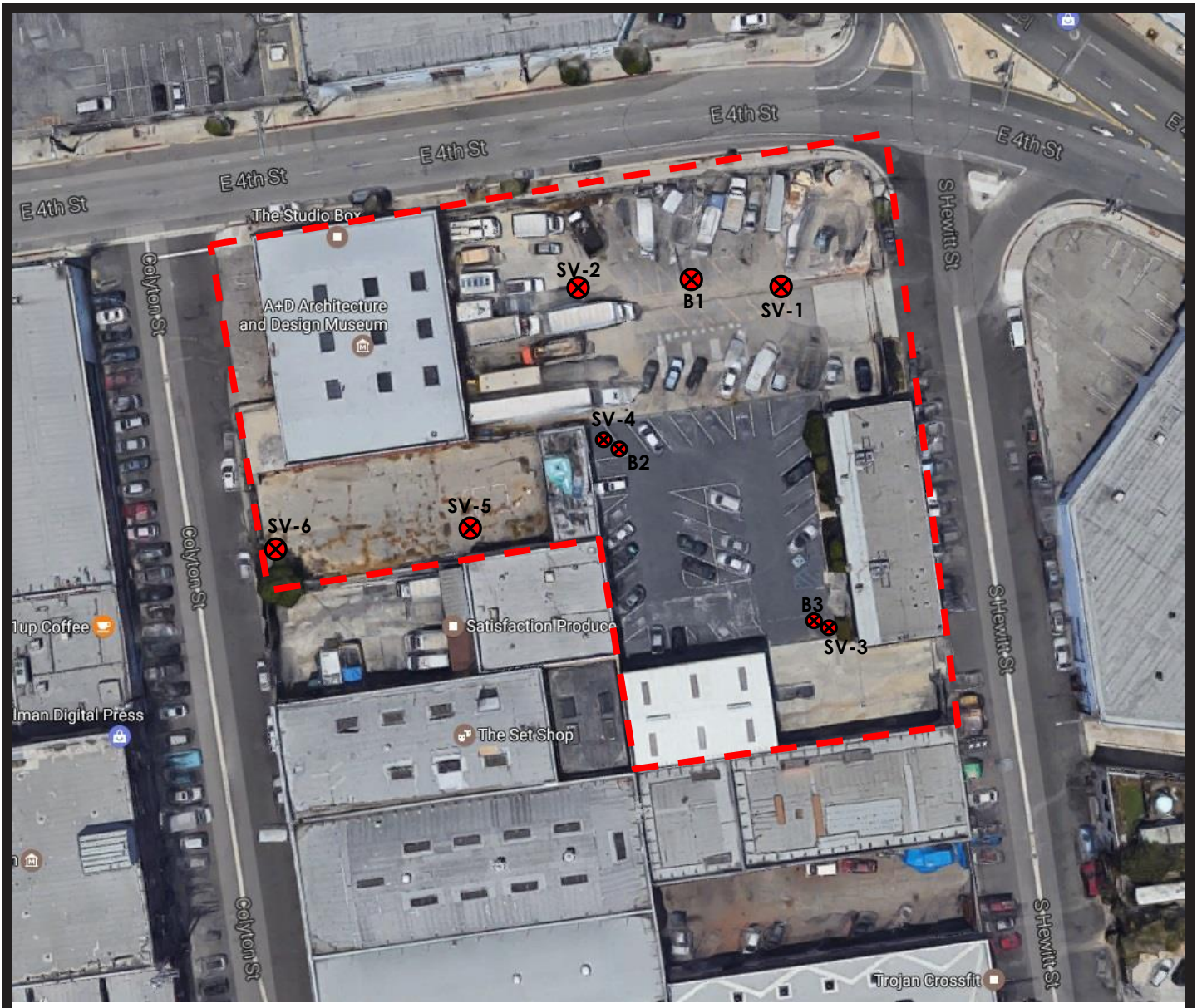
LEGENDARY DEVELOPMENT, LLC
405-411 South Hewitt Street
900, 910 and 925 East 4th Street
412 Colyton Street
Los Angeles, California

Figure 2

PROJECT NO.: 0231.1009.0

DATE: MAY 2017

Site Map



- Approximate Site Boundaries

- Boring Locations (SV-1)

N

Source: Google Earth

Not to Scale

CITADEL ENVIRONMENTAL SERVICES, INC.

LEGENDARY DEVELOPMENT, LLC
405-411 South Hewitt Street
900, 910 and 925 East 4th Street
412 Colyton Street
Los Angeles, California

Figure 3

PROJECT NO.: 0231.1009.0

DATE: MAY 2017

Soil Boring Locations Map

CITADEL
ENVIRONMENTAL SERVICES, INC.

Tables

Table 1. Methane Survey Results (LandTec)
4th & Hewitt Street
Los Angeles, CA

Boring ID	Sample Depth (feet)	Date Sampled	CH_4 %	CO_2 %	O_2 %	Balance %	Pressure Inches - H_2O	Comments
SV-1	5	4/18/2017	0.0	2.0	18.4	79.6	-0.002	
SV-2	5	4/18/2017	<0.1	1.0	19.4	79.5	-0.134	
SV-2	15	4/19/2017	<0.1	1.2	19.6	79.2	-0.024	
SV-2	30	4/19/2017	<0.1	1.3	19.1	79.5	0.012	
SV-3	5	4/18/2017	<0.1	2.2	18.0	79.8	-0.020	
SV-3	15	4/19/2017	<0.1	2.0	18.3	79.5	-0.011	
SV-3	30	4/19/2017	<0.1	1.8	18.3	79.8	-0.022	
SV-5	5	4/18/2017	<0.1	0.5	18.5	80.8	-0.006	
SV-5	15	4/19/2017	<0.1	0.0	19.5	80.4	-0.002	
SV-5	30	4/19/2017	<0.1	0.3	18.9	80.8	0.022	
SV-6	5	4/18/2017	<0.1	0.7	19.1	80.1	-0.032	
B1	45	5/4/2017	<0.1	1.7	18.2	80.0	0.000	
B1	50	5/4/2017	<0.1	1.7	18.0	80.3	0.000	
B1	60	5/4/2017	<0.1	2.6	16.3	81.1	0.000	
B1	45	5/7/2017	<0.1	2.2	18.5	79.3	0.000	
B1	50	5/7/2017	<0.1	2.2	18.4	79.4	0.000	
B1	60	5/7/2017	<0.1	2.8	16.9	80.2	0.000	
B2	45	5/4/2017	<0.1	1.5	18.2	80.3	0.000	
B2	50	5/4/2017	<0.1	1.6	18.2	80.1	0.000	
B2	60	5/4/2017	<0.1	1.7	18.1	80.2	0.000	
B2	45	5/7/2017	<0.1	2.2	18.5	79.2	0.000	
B2	50	5/7/2017	<0.1	2.1	18.5	79.2	0.000	
B2	60	5/7/2017	<0.1	2.2	18.7	79.1	0.000	
B3	45	5/4/2017	<0.1	1.3	18.3	80.3	0.000	
B3	50	5/4/2017	<0.1	1.4	18.5	80.1	0.000	
B3	60	5/4/2017	<0.1	1.9	17.8	80.3	0.000	
B3	45	5/7/2017	<0.1	1.8	18.8	79.4	0.000	
B3	50	5/7/2017	<0.1	1.8	18.6	79.6	0.000	
B3	60	5/7/2017	<0.1	2.5	17.8	79.6	0.000	

Notes: % = Percent

Table 2. Chemicals of Potential Concern in Soil
4th & Hewitt Street
Los Angeles, CA

Boring ID	Sample Depth (feet)	Date Sampled	GRO C_6-C_{12} mg/kg	DRO C_{13}-C_{28} mg/kg	MORO C_{29}-C_{44} mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl-benzene mg/kg	p/m-Xylene mg/kg	o-Xylene mg/kg	Comments
B1	10	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B1	20	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B1	30	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B2	10	4/29/2017	ND<10	ND<10	**81**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B2	20	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B2	30	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B3	10	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B3	20	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
B3	30	4/29/2017	ND<10	ND<10	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.005	
Maximum Concentration			ND	ND	81	ND	ND	ND	ND	ND	

Notes:

mg/kg = Milligrams per Kilogram
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
MORO = Motor Oil Range Organics
ND = Not detected
Detected concentrations are shown in bold type
All other VOCs were Non-Detect

Table 3. Title 22 Metals in Soil
4th & Hewitt Street
Los Angeles, CA

Boring/Sample ID	Sample Depth (feet)	Date Sampled	Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Cadmium mg/kg	Chromium mg/kg	Cobalt mg/kg	Copper mg/kg	Lead mg/kg	Mercury EPA 7471 mg/kg	Molybdenum mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg	Thallium mg/kg	Vanadium mg/kg	Zinc mg/kg	Comments
B-1	20	4/29/2017	ND<0.25	**0.92**	**31**	ND<0.25	ND<0.25	**3.8**	**2.1**	**3.1**	**1.0**	ND<0.10	ND<0.25	**2.3**	ND<1.2	ND<0.25	ND<0.25	**18**	**14**	

Notes:

mg/kg = Milligrams per Kilogram
ND = Not detected
Detected concentrations are shown in bold type

CITADEL
ENVIRONMENTAL SERVICES, INC.

Appendix A
Health and Safety Plan

Legendary Developments LLC
6315 Bandini Boulevard
Commerce, California 90040

Health and Safety Plan

April 13, 2017

Citadel Project Number 0231.1009.0

405-411 South Hewitt Street; 900, 910 and 926 East 4th Street;
and 412 Colyton Street
Los Angeles, California 90013

www.citadelenvironmental.com

Table of Contents

1.0 SITE DESCRIPTION

The Site is located at 405-411 South Hewitt Street; 901, 910 and 926 East 4th Street; and 412 Colyton Street, in Los Angeles, Los Angeles County, California.

Citadel Environmental Services, Inc., (Citadel) has prepared this Health and Safety Plan (HASP) for use during methane testing to be conducted at the Site. Activities conducted under Citadel's direction at the Site will be in compliance with applicable Occupational Safety and Health Administration (OSHA) regulations, particularly those in Title 8 California Code of Regulations (CCR) 5192, and other applicable federal, state, and local laws, regulations, and statutes. A copy of this HASP will be kept onsite during scheduled field activities.

2.0 BACKGROUND

Citadel understands that a limited subsurface investigation was performed at the Site by Smith-Emery GeoServices in November 2004. The investigation included advancing one soil boring at each end of the clarifier located at 411 South Hewitt Street, to a depth of approximately 11 feet below ground surface (bgs). Soil samples were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). No contaminants were identified in the soil samples collected.

Citadel performed an Environmental Document Review of the Site in December 2010[1]. At the time of the review, the Site consisted of two commercial retail/office buildings and a garage/shop building, totaling approximately 26,136 square feet (SF), and a surface parking lot. A single-story retail building was located on the northwest corner of the Site at 900 East 4th Street. The remaining area of the Site was comprised of a fenced yard area containing a small single-story office building occupied by Miller Law Associates at 405 Hewitt Street and a vacant garage/shop building at 411 Hewitt Street, which included a floor pit for auto repairs. Large auto and truck washing equipment was located to the north of the garage building, and included a subsurface drain system, which directed wastewater through several underground separators to a three-stage clarifier located to the east of the garage building. The yard, office and garage were reportedly occupied by a local transit company, which operated small buses out of the Site. There were no buildings at the 910 and 926 East 4th Street or 412 Colyton Street addresses. These areas of the Site were comprised of paved parking/yard areas.

According to findings from a Phase I Environmental Site Assessment (ESA) by Citadel in October 2016[2], the Site consisted of four one-story commercial structures and parking areas. 926 East 4th Street, 910 East 4th Street, and 407 and 411 South Hewitt Street, were occupied as a parking lot in the northeast portion of the Site. The property at 900 East 4th Street consisted of one 7,800 square foot structure occupied by A+D Architecture and Design Museum. The property at 412 Colyton Street was located south of the museum and consisted of a 1,000 square foot storage structure and associated parking for the museum. The 411 South Hewitt Street parcel located in the southeast portion of the Site consisted of a 3,500 square foot office building, a 2,500 square foot storage/garage structure, and associated surface parking.

Citadel further understands that the Site is located within the City of Los Angeles Methane Zone recognized by the Los Angeles Department of Building Services (LADBS). In March 2004, Ordinance

[1] Citadel Environmental Services, Inc., Environmental Document Review, Downtown Los Angeles Portfolio, Seven (7) Properties, Los Angeles, California, December 20, 2010.

[2] Citadel Environmental Services, Inc., Phase I Environmental Site Assessment Report, 405-411 South Hewitt Street, 900, 910 and 926 East 4th Street, and 412 Colyton Street, Los Angeles, California 90013, October 3, 2016.

Number 175790 was adopted into the Los Angeles Building Code (LABC) (Section 91.106.4.1 and Division 71, Chapter IX) to establish citywide methane mitigation requirements, and included updated construction standards to control methane intrusion into buildings. This ordinance established defined geographic areas as Methane Zones and Methane Buffer Zones, which relate to specific assessment and mitigation requirements per area, and set forth a standard of assessment and mitigation in the planning stages of all new construction in these areas. Citadel proposes to conduct a methane survey to evaluate the subsurface for the presence of methane, based on the location of the Site in a Methane Zone identified by the LADBS.

3.0 SAFETY POLICY

Safety will be given primary importance in the planning and operation of this project. It is the policy of Citadel to conform to current OSHA standards in construction and local government agency requirements having authority over the project regarding Citadel employees, subcontractors and public safety.

Each subcontracting firm will assume primary responsibility for the safety of their own work in regards to their employees and other persons. Subcontractors will assume the duty to comply with OSHA, and all other federal, state and local regulations.

The subcontractors work will be monitored by Citadel project managers for implementation of the Citadel HASP, while adhering to their own safety program. Citadel will retain the authority and power to enforce this HASP during the progress of the work. Any deficiencies in safe work practices will be brought to the attention of the subcontractor firm's supervisor for immediate corrective action. If the subcontractor fails or refuses to take corrective action promptly a stop work order shall be issued and the subcontractor or the subcontractor employee may be removed from the project.

4.0 WORK DESCRIPTION

Prior to commencement of methane testing, the Site will be visited by a Citadel representative to determine specific sampling locations. The general areas of concern will be marked for Underground Surface Alert (USA) to identify underground utilities within the proposed sampling areas. This will be followed by a geophysical survey to identify and clear underground utilities, structures and piping around the proposed sampling locations.

Methane testing will follow the LADBS Methane Mitigation Standard codified in Chapter 71 of the LABC. Per the standard, shallow soil vapor probes will be placed across the Site at a rate of one sample per 10,000 square feet of Site area. A second set of targeted deeper soil vapor probes will be placed at a rate of one per 20,000 square feet of Site area.

Shallow Soil Gas Probe Testing

As an initial screening, Citadel will advance six soil borings in accessible areas throughout the Site using a hammer drill, or equivalent method, to a depth of approximately five feet bgs. Within each excavated boring, methane gas probes will be installed per LADBS installation specifications. The probes will be encapsulated by approximately one foot of sand to provide any methane gas to flow into the probes. The space separating the probes will be filled with a bentonite seal. Probe tips will be connected to polyethylene tubing with gas-tight quick connect fittings at the surface. Field data will be collected from the installed methane probes by means of a portable Landtec GEM 2000 Plus Landfill Gas Monitor. The monitor will be connected to the gas-tight quick connect fittings and subsequently recorded for methane concentration and probe pressure at each probe depth.

Deep Gas Probe Testing

The location for deeper gas probe testing will be chosen based on the highest concentration of methane gas detected. Per the LADBS Methane Mitigation Standards, gas probe sets are to be placed at approximately five, 10 and 20 feet below the lowest footing of the proposed development. According to information provided by the Client, the lowest footing will be at approximately 40 feet. Citadel will advance three soil borings using a limited access direct push drill rig. Citadel will collect soil samples at approximate 10 foot intervals to 70 feet bgs. The soil samples will not be analyzed unless real-time field measurements of the vapor space yields a response above 0.0 part per million.

Within the excavated borings, nested methane gas probes will be set at approximately 45, 50 and 60 feet below the existing ground surface. The probes will be encapsulated by approximately one foot of sand to provide any methane gas to flow into the probes. The space separating the probes will be filled with a bentonite seal. Probe tips will be connected to polyethylene tubing with gas-tight quick connect fittings at the surface.

Approximately 120 minutes after setting the gas probes, field data will be collected from the installed methane probes by means of a portable Landtec GEM 2000 Plus Landfill Gas Monitor and portable hydrogen sulfide meter. Two sequential measurements will be taken on each probe within a 24-hour period. If the Landtec methane or pressure readings are above 0.0, approximately three vapor samples will be collected to be analyzed for methane and hydrogen sulfide.

Upon completion of testing, the installed probes will be properly decommissioned and the borings will be patched to match the existing surface.

5.0 KEY PROJECT PERSONNEL AND RESPONSIBILITIES

Project Manager	Mark Drollinger (Citadel)
Site Safety Officer (SSO)/Project Monitor	Mike Pendergrass (Citadel)
Subcontractor Personnel	Choice Drilling
Site Representative	Mike Pendergrass (Citadel)

PROJECT MANAGER

The Project Manager has the ultimate responsibility for the health and safety of personnel at the Site. The Project Manager is responsible for:

- Ensuring that project personnel review and understand the requirements of this HASP;
- Keeping on-site personnel, including subcontractors, informed of the expected hazards and appropriate protective measures at the Site; and
- Providing resources necessary for maintaining a safe and health work environment.

SITE SAFETY OFFICER/PROJECT MONITOR

The SSO is responsible for enforcing the requirements of this HASP once site work begins. The SSO has the authority to immediately correct situations where noncompliance with this HASP is noted and to immediately stop work in cases where an immediate danger to site workers or the environment is perceived. Responsibilities of the SSO also include:

- Obtaining and distributing PPE and air monitoring equipment necessary for this project;
- Limiting access at the Site to authorized personnel;
- Communicating unusual or unforeseen conditions at the Site to the Project Manager;
- Supervising and monitoring the safety performance of site personnel to evaluate the effectiveness of health and safety procedures and correct deficiencies;
- Conducting daily tailgate safety meetings before each day's activities begin; and
- Conducting a site safety inspection prior to the commencement of each day's field activities.

SUBCONTRACTOR PERSONNEL

Subcontractor personnel are expected to comply with the minimum requirements specified in this HASP. Failure to do so may result in the dismissal of the subcontractor or any of the subcontractor's workers from the job site. Subcontractors may employ health and safety procedures that afford them a greater measure of personal protection than those specified in this plan as long as they do not pose additional hazards to themselves, the environment, or others working in the area.

6.0 SITE CONTROL MEASURES

The SSO or Project Manager has been designated to coordinate access and security on site.

7.0 STANDARD OPERATING PROCEDURES

GENERAL SAFETY

- Maintain good housekeeping at all times in all project work areas.
- Check the work area to determine what problems or hazards may exist.
- Designate specific areas for the proper storage of materials.
- Store tools, equipment, materials, and supplies in an orderly manner.
- Provide containers for collecting trash and other debris.
- Clean up all spills quickly.
- Report unsafe conditions or unsafe acts to your supervisor immediately.
- Report all occupational illnesses, injuries, and vehicle accidents.
- Do not wear loose clothing, wristwatches, and other loose accessories when within arm's reach of moving machinery.
- Emergency exits and evacuation areas should be clearly marked during work activities.
- Personnel fall protection is required when climbing to perform maintenance six feet or higher above ground.
- Inspect hand tools and use proper PPE.
- Ensure proper grounding and guarding of equipment.
- Keep hands and fingers out of pinch points.
- Use good ergonomic posturing when working with heavy items.

COMMUNICATION PROCEDURES

Due to the close proximity of all field crew members the necessity for radio communication is not necessary.

The following standard hand signals will be used:

Hand drawn across throat .....Cease operation immediately
Hand gripping throat.....Out of air, can't breathe
Grip partner's wrist or both hands around waist.....Leave area immediately
Hands on top of head.....Need assistance
Thumbs up.....OK, I am alright, understood
Thumbs down..... No, negative

FIELD VEHICLES

- Equip vehicles with emergency supplies and equipment.
- Maintain both a first aid kit and fire extinguisher in the field vehicle at all times.
- Utilize a rotary beacon on vehicle if working adjacent to active roadway.
- Always wear seatbelt while operating vehicle.
- Tie down loose items.

MANUAL LIFTING

- Personnel shall seek assistance when performing manual lifting tasks that appear beyond their physical capabilities.
- Assess the situation before lifting, ensure good lifting and body positioning practices, and ensure good carrying and setting down practices.

HEAT EXPOSURE

- Limit exposure to the sun, or take extra precautions when the UV index rating is high.
- Take lunch and breaks in shaded areas.
- Create shade by using umbrellas, tents, and canopies.
- Wear proper clothing: long sleeved shirts with collars, long pants, and UV-protective sunglasses or safety glasses.
- Apply sunscreen generously to all exposed skin surfaces at least 20 minutes before exposure. Re-apply sunscreen at least every 2 hours, and more frequently when sweating or performing activities where sunscreen may be wiped off.
- Communicate any concerns regarding heat stress to a supervisor.
- Keep hydrated throughout the day (about 4 cups per hour).
- OHSA's Heat Index:

Heat Index	Risk Level	Protective Measures
Less than 91°F	Lower (Caution)	Basic heat safety and planning
91°F to 103°F	Moderate	Implement precautions and heighten awareness
103°F to 115°F	High	Additional precautions to protect workers
Greater than 115°F	Very High to Extreme	Triggers even more aggressive protective measures

Utilities (Under Ground and Above Ground): Low Hazard. Utilities have been cleared during a geophysical survey.

Biological Hazards: Low to medium Hazard. Beware of spiders, insects and other possible animals.

Site Instability: Low to medium Hazard. The Site will be inspected prior to equipment placement and closely monitored. Any settling of the equipment will cause the work to stop immediately.

Equipment Refueling: Low Hazard. Equipment shall not be refueled with the engine running. Cigarettes, open flames, or other ignition sources are not allowed within 50 feet of the fueling location.

Personnel Injury: Upon notification of an injury the Project Field Leader should evaluate the nature of the injury, and the affected person should be decontaminated to the extent possible prior to movement. The Project Field Leader shall initiate the appropriate first aid, and contact should be made for an ambulance and with the designated medical facility (if required).

Fire/Explosion: The fire department shall be alerted and all personnel moved to a safe distance from the involved area.

Other Equipment Failure: If any other equipment on site fails to operate properly, the Project Team Leader shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, work will cease until the situation is evaluated and appropriate actions taken.

8.0 EXPOSURE MONITORING

The following substances are known or suspected to be on site. The primary hazards of each are identified as follow:

Substances	Concentration	Primary Hazards
Volatile Organic Compounds	Various	Ingestion, Inhalation, skin
Methane	Various	Inhalation

The SSO will monitor on-site worker exposure to airborne contaminants during intrusive site activities. Measurements should be taken within the breathing zones of workers. A calibrated portable four-gas meter will be used as a monitor.

9.0 PERSONAL PROTECTIVE EQUIPMENT

The purpose of PPE is to protect employees from hazards and potential hazards they are likely to encounter during site activities. The amount and type of PPE used will be based on the nature of the hazard encountered or anticipated. Respiratory protection will be utilized when an airborne hazard has been identified using real-time air monitoring devices, or as a precautionary measure in areas designated by the SSO, elevating to level C. If this occurs, contractor personnel shall be respirator-approved.

Dermal protection, primarily in the form of chemical-resistant gloves and coveralls, will be worn whenever contact with chemically affected materials (e.g. soils, groundwater, sludge) is anticipated, without regard to the level of respiratory protection required.

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

Location	Job Function	Level of Protection
Controlled Area	All workers	A B C (D) Other

Specific protective equipment for each level of protection is as follows:

Level A
- Fully-encapsulating suit
- SCBA
- Disposable coveralls

Level B
- Splash gear
- SCBA

Level C
- Splash gear
- Half-face canister respirator with H_2S/VOC cartridge
- Mouth/nose canister respirator
- Efficiency 100 (HEPA)

Level D
- Hard hat
- Ear plugs
- Neoprene or leather gloves - nitrile gloves
- Safety vests and Glasses
- Hard toe boots

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SSO OR PROJECT MANAGER.

10.0 DECONTAMINATION PROCEDURES

Despite protective procedures, personnel may come in contact with potentially hazardous compounds while performing work tasks. If so, decontamination needs to take place using an Alconox or tri-sodium phosphate (TSP), followed by a rinse with clean water. Standard decontamination procedure for levels C and D are as follows:

- Equipment drop
- Boot cover and outer glove wash and rinse
- Boot cover and out glove removal
- Suit wash and rinse
- Suit removal
- Safety boot wash and rinse
- Inner glove wash and rinse
- Respirator removal
- Inner glove removal
- Field wash of hands and face

Workers should employ only applicable steps in accordance with level of PPE worn and extent of contamination present. The SSO shall maintain adequate quantities of clean water to be used for personal decontamination (i.e. field wash of hands and face) whenever a suitable washing facility is not located in the immediate vicinity of the work area. Disposable items will be disposed of in an appropriate container. Wash and rinse water generated from decontamination activities will be handled and disposed of properly. Non-disposable items may need to be sanitized before reuse. Each site worker is responsible for the maintenance, decontamination, and sanitizing of his/her own PPE.

Used equipment may be decontaminated as follows:

- An Alconox or TSP and water solution will be used to wash the equipment.
- The equipment will then be rinsed with clean water.

Each person must follow these procedures to reduce the potential for transferring chemically affected materials offsite.

11.0 EMERGENCY PROCEDURES

In the event of an emergency, site personnel will signal distress with three blasts of a horn (a vehicle horn will be sufficient), or other predetermined signal. Communication signals, such as hand signals, must be established where communication equipment is not feasible or in areas of loud noise.

The SSO will designate evacuation routes and refuge areas to be used in the event of an emergency. Site personnel will stay upwind from vapors or smoke and upgradient from spills. Workers should exit through the established decontamination areas wherever possible. If evacuation cannot be done through an established decontamination area, site personnel will go to the nearest safe location and remove contaminated clothing there. Personnel will assemble at the predetermined refuge following evacuation and decontamination. The SSO will count and identify site personnel to verify that all personnel have been evacuated safely. Please refer to Figure 1.0 for the evacuation route and refuge location.

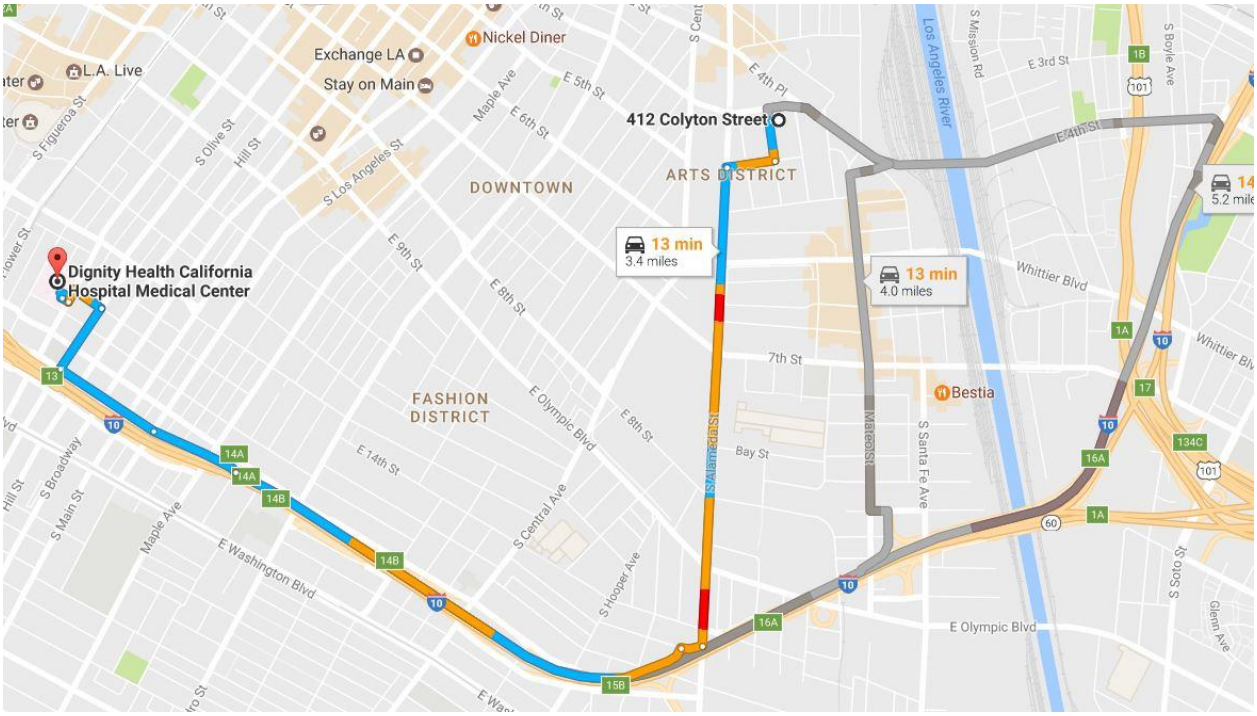
FIGURE 1.0 – EVACUATION ROUTE AND REFUGE AREAS

= Approximate Site Boundaries

= Refuge Areas

The designated medical facility is:

Dignity Health California Hospital Medical Center
1401 South Grand Avenue
Los Angeles, California 90015
(213) 748-2411



Directions:

Head south on Colyton Street toward East 5th Street	0.1 miles
Turn right at the first cross street onto East 5th Street	0.1 miles
Turn left onto South Alameda Street	1.1 miles
Turn right onto Newton street	279 feet
Turn left to merge onto I-10 West/ Santa Monica Freeway	1.2 miles
Take Exit 14A for Los Angeles Street toward Convention Center	0.2 miles
Continue onto East 17th Street	0.3 miles
Turn right onto South Olive Street	0.2 miles
Turn left at the third cross street onto West 14th Street	407 feet
Turn left onto South Grand Avenue	164 feet
Turn right	98 feet
Turn right	
Destination will be on the right	

Local ambulance service is available from:

Name	**Phone**
Local Paramedics	911

First-aid equipment is available in the SSO's vehicle.

List of emergency phone numbers:

Agency/Facility	Phone#
Police	911
Fire	911
Hospital	(213) 748-2411

This HASP has been prepared by:

Roopal Jani

Digitally signed by Roopal Jani
DN: cn=Roopal Jani, o=Citadel Environmental Services, Inc., ou=Staff Geologist, email=RJani@CitadelEnvironmental.com, c=US
Date: 2017.06.01 11:03:30 -07'00'

Roopal Jani
Staff Geologist

Reviewed by:

T. Michael Pendergrass

Digitally signed by T. Michael Pendergrass
DN: cn=T. Michael Pendergrass, o=Citadel Environmental Services, Inc., ou=Senior Project Geologist, email=MPendergrass@citadelenvironmental.com, c=US
Date: 2017.06.01 11:03:09 -07'00'

T. Michael Pendergrass, P. G.
Senior Project Geologist, Environmental and Engineering Sciences

SIGNATURE PAGE

The following signatures indicate that this Health and Safety Plan (HASP) has been read and accepted by all site personnel.

NAME	COMPANY	SIGNATURE	DATE
Mike Pendergrass	Citadel		4-18-17
Joshua Hellington	Choice Drilling		4-19-17
Jorge Saravia	Choice Drilling		4-19-17

CITADEL
ENVIRONMENTAL SERVICES, INC.

Appendix B
Geophysical Survey

SubSurface Surveys
An Applied Geophysical Company
2075 Corte Del Nogal, Suite W
Carlsbad, California 92011
Office: 760-476-0492
Fax: 760-476-0493

Citadel Environmental
Attn: Mike Pendergrass
111 North Market Street, Suite 300
San Jose, California 95113

April 24th, 2017

Subject: Geophysical Survey
900 E 4th Street
411 S Hewitt Street
412 Colyton Street
Los Angeles, California

Project Number: 17-156

This report is to present the results of our geophysical survey carried over three separate properties located at 900 East 4th Street, 411 South Hewitt Street and 412 Colyton Street in Los Angeles, California (Figure 1), on April 18th, 2017. Purpose of the survey was to locate and identify, insofar as possible, piping, conduit, and other buried features that may exist around six (6) specific locations designated by the client for guidance in future digging activities.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced.

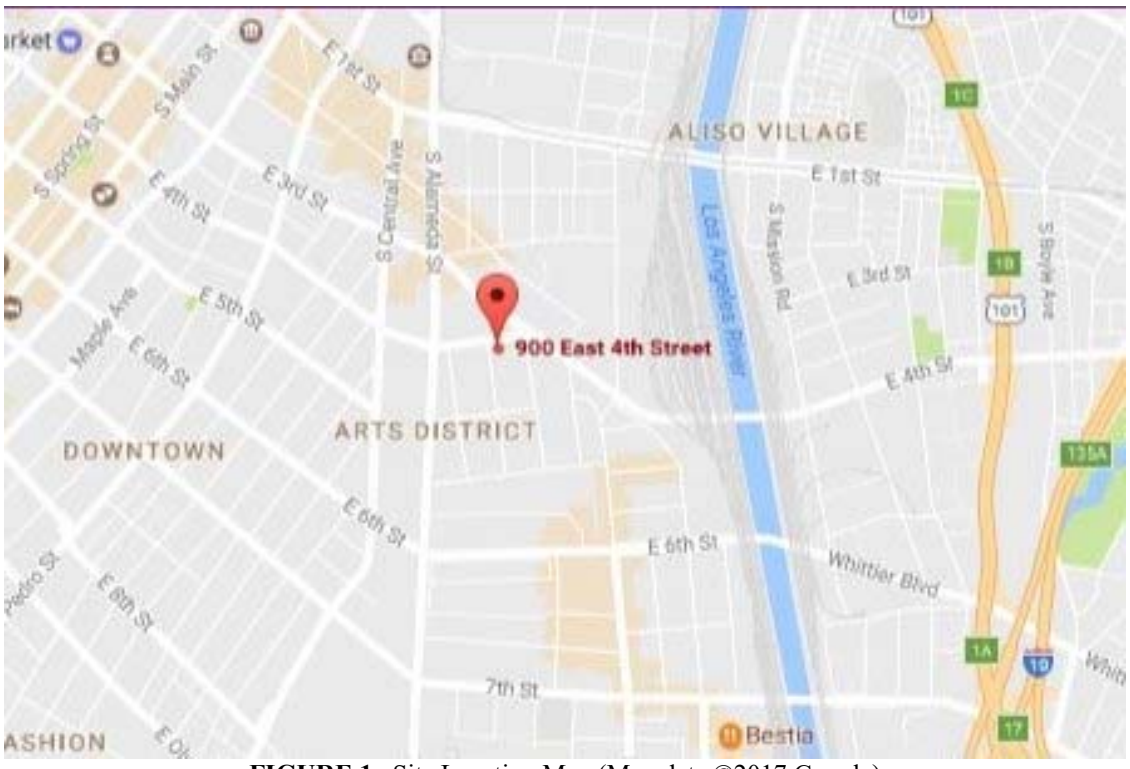


FIGURE 1 –Site Location Map (Map data ©2017 Google)

Survey Design – The areas to be surveyed, along with the specific borehole locations, were indicated in the field by the client and were located on three separate properties; 900 East 4th Street (Figures 3 and 4), 411 South Hewitt Street (Figures 5 and 6), and 412 Colyton Street (Figures 7 and 8). The magnetic gradiometer, line tracer, EM61, M-Scope and GPR were traversed systematically over each borehole along the eight lines of the standard search pattern (Figure 2), wherein, there are two sets of three parallel lines, mutually orthogonal, and two diagonals, all centered on the marked drill location. Adjacent parallel lines are approximately 5 feet apart, and each line is approximately 20 feet long, access permitting. Other traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found.

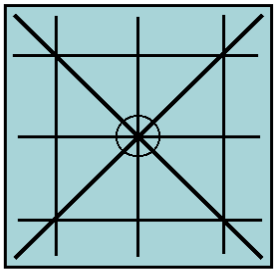


Figure 2: Standard search pattern around target

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse. This free-traversing method allowed for immediate detection of anomalous objects and facilitated the opportunity to investigate them further, without first having to download data in the office. The lack of hard copy for EM data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

The line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors and Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied - The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the

electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response to a meter in the form of ground conductivity values for the M-Scope. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet for the M-Scope are sensed. The devices are also somewhat focused; that is, they are more sensitive to conductors below the instrument than they are to conductors off to the side.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover with spray chalk paint at the site and further documented with site photographs of each surveyed area (Figures 3-8).

The EM and magnetic instruments were effective at locating and delineating metallic objects and utilities over the search area. Most obstructions were removed from the site; however, there were still some areas of the survey that were in close proximity to building structures, fencing, reinforced concrete, parked vehicles or other above ground metallic objects. In these areas (five feet and closer to any structure) the GPR and the line tracer were the main tools applied to the search.

GPR was useful at detecting both metallic and non-metallic lines and utilities, including rebar. According to principles of physics, radar penetration is a function of soil conductivity and dielectric constant. At this site, local conditions were favorable for radar penetration due to the nature of the soil and materials covering the survey areas. This resulted in radar penetration down to approximately 3.0 feet bgs.

Once all detectable buried cultural objects were marked and accounted for our findings were discussed in the field with the client, at the conclusion of the survey. After our findings were discussed each borehole was then marked cleared by Subsurface Surveys and Associates with a white circle and a yellow “SSS”. Please refer to the graphics along with the markings in the field for a better representation of our findings.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which instruments might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limiting GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

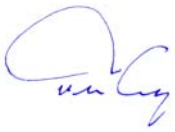
For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing and vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data acquired in these surveys are in confidential file in this office, and are available for review by your staff, or by us at your request, at any time. We appreciate the opportunity to participate in this project. Please call, if there are questions.

Bret Herman
Staff Geophysicist



Travis Crosby, GP# 1044
California State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys

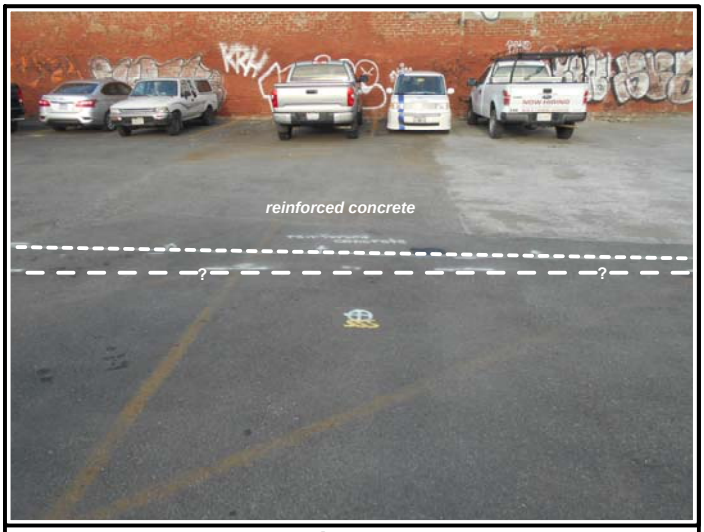


Figure 3

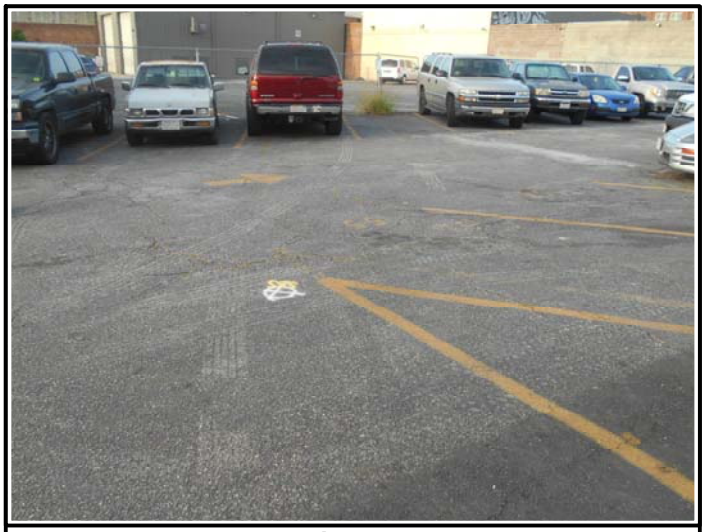


Figure 4

Figure 5

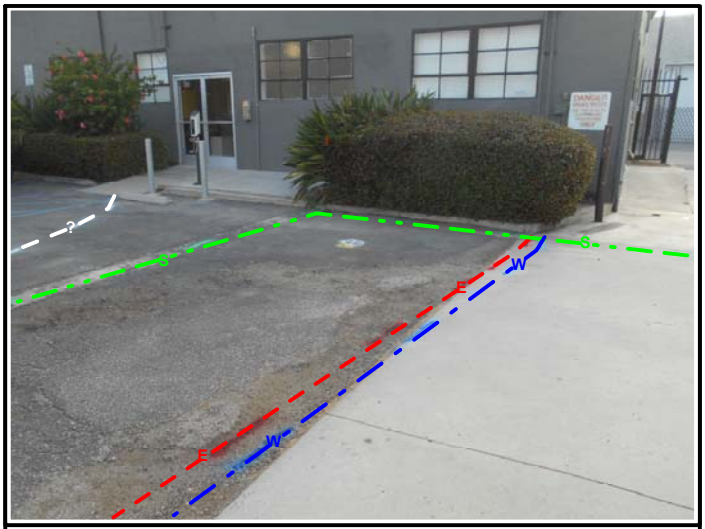


Figure 6

Figure 7

Figure 8

Sub Surface Surveys	SITE: **900 East 4th Street** **411 South Hewitt Street** **412 Colyton Street** **Los Angeles, California**	TITLE: **Site Photographs**	SURVEY DATE: **April 18th, 2017**
		PREPARED FOR: **Citadel Environmental**	SSS PROJECT NO: **17-156**

CITADEL
ENVIRONMENTAL SERVICES, INC.

Appendix C
Boring Logs

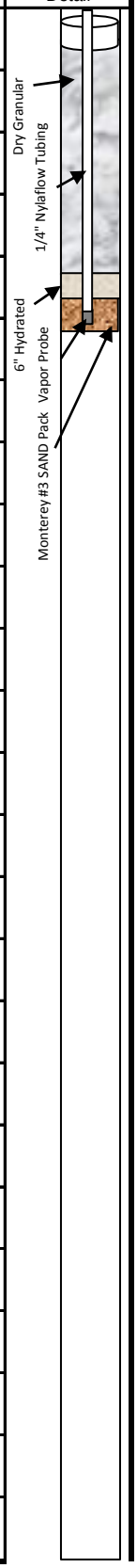
Boring I.D.	Project No.	Project	
SV-1	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt		MP	
Drilling Method	Driller	Checked By:	
RotoHammer	NA		

CITADEL ENVIRONMENTAL SERVICES, INC.

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/18/2017	740	830	Soil Vapor Probe	5'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
1							RotoHammer
2							
3							
4							
5							
6							TD = 5'
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

Vapor Probe Detail



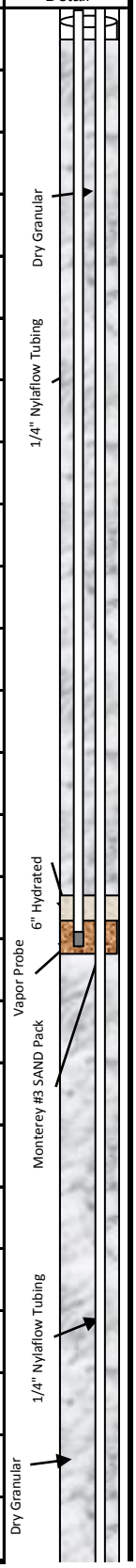
Boring I.D.	Project No.	Project	Logged By:
SV-1	0231.1009	Legendary Develepment LLC, 4th & Hewitt	MP

Location	Drilling Method	Driller	Checked By:
4th & Hewitt, Los Angeles	Direct Push	Choice	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/19/2017	0750	0825	Soil Vapor Probe	30'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	0752	Tube	SV-1-10	0.2		SP	Sand, poorly graded, loose, fine, dry, Grayish Brown, 10YR 5/2
11							
12							
13							
14							
15							
16							
17							
18							
19							
20	0804	Tube	SV-1-20	2.0		SW	Sand with gravel, medium sand, gravel to 3/4", dry, loose, Light Brownish Gray, 10YR 6/2
21							
22							
23							
24							
25							

Vapor Probe Detail

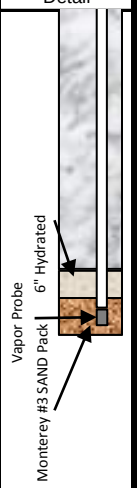


Boring I.D.	Project No.	Project	
SV-1	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		**Logged By:**	
4th & Hewitt, Los Angeles		MP	
Drilling Method	**Driller**	**Checked By:**	
Direct Push	Choice		

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/19/2017	0750	0825	Soil Vapor Probe	30'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
26							
27							
28	0817	Tube		2.0		SW	Sand, well sorted, medium sand, loose, dry, Light Brownish Gray, 10YR 6/2
29							
30	0823	Tube	SV-1-30	1.0		SW	Sand, well sorted, trace gravel <3/4", loose, dry, Grayish Brown, 10YR 5/2
31							TD = 30'
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

Vapor Probe Detail

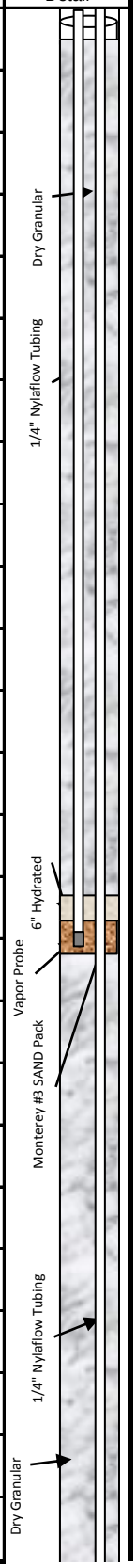


Boring I.D.	Project No.	Project	
SV-3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt, Los Angeles		MP	
Drilling Method	Driller	Checked By:	
Direct Push	Choice		

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/19/2017	0930	1000	Soil Vapor Probe	30'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	0936	Tube	SV-2-10	5.0		SW	Sand, well graded, fine to medium, loose, dry, Light Reddish Brown, 5YR 6/3
11							
12							
13							
14							
15							
16							
17							
18							
19							
20	0945	Tube	SV-2-20	0.2		SW	Sand with gravel, course sand to fine gravel well graded, gravel <1/4", dry, loose,
21							Reddish Brown, 5YR 4/4
22							
23							
24							
25							

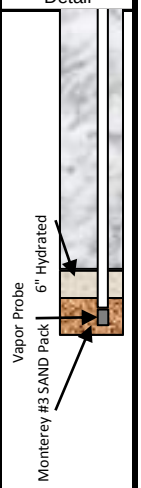
Vapor Probe Detail



Boring I.D.	Project No.	Project	
SV-3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		**Logged By:**	
4th & Hewitt, Los Angeles		MP	
Drilling Method	**Driller**	**Checked By:**	
Direct Push	Choice		

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/19/2017	0930	1000	Soil Vapor Probe	30'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology	Vapor Probe Detail
26								
27								
28								
29								
30	0957	Tube	SV-3-30	1.0		SW	Sand with gravel, well graded, loose, dry, Dark Reddish Gray, 5YR 4/2	
31							TD = 30'	
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

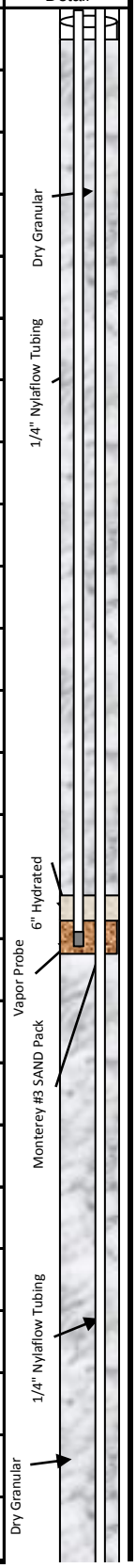


Boring I.D.	Project No.	Project	
SV-3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt, Los Angeles		MP	
Drilling Method	Driller	Checked By:	
Direct Push	Choice		

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/19/2017	0930	1000	Soil Vapor Probe	30'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	1140	Tube	SV-5-10	0.0		SP	Sand, fine, poorly graded, loose, dry, Reddish Gray, 5YR 5/2
11							
12							
13							
14							
15							
16							
17							
18							
19							
20	1148	Tube	SV-5-20	0.0		SW	Sand, medium, well graded, trace gravel <1/4", loose, dry, Brown, 7.5YR 4/3
21							
22							
23							
24							
25							

Vapor Probe Detail



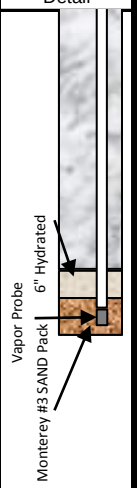
Boring I.D.	Project No.	Project	Logged By:
SV-3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	MP

Location	Drilling Method	Driller	Checked By:
4th & Hewitt, Los Angeles	Direct Push	Choice	

CITADEL ENVIRONMENTAL SERVICES, INC.

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/19/2017	0930	1000	Soil Vapor Probe	30'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology	Vapor Probe Detail
26								
27								
28								
29								
30	1205	Tube	SV-5-30	0.0		SW	Gravelly Sand, loose, dry, gravel < 3/4", well graded, Brown, 7.5YR 4/2	
31							TD = 30'	
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

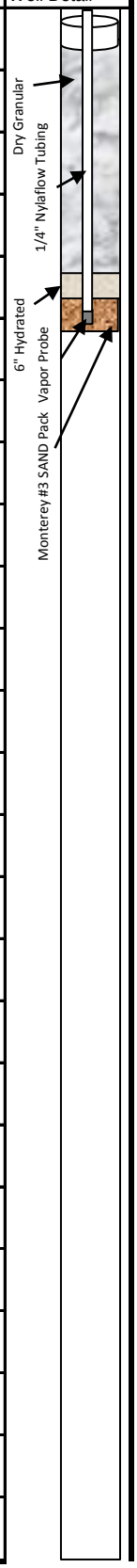


Boring I.D.	Project No.	Project	
SV-6	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt		MP	
Drilling Method	Driller	Checked By:	
RotoHammer	NA		

CITADEL ENVIRONMENTAL SERVICES, INC.

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/18/2017	1215	1245	Soil Vapor Probe	5'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology	Monitoring Well Detail
1							RotoHammer	
2								
3								
4								
5								
6							TD = 5'	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								



Boring I.D.	Project No.	Project	
B1	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt, Los Angeles		JS	
Drilling Method	Driller	Checked By:	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	0730	1052	Soil Vapor Probes	70'	NA

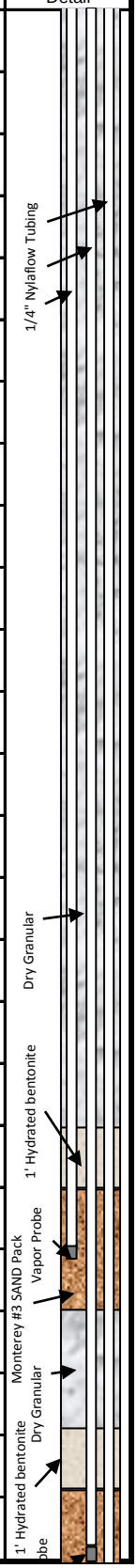
Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology	Vapor Probe Detail
1							Asphalt	
2								
3								
4								
5	0802	Tube	B1-5	0.0	3 2 3	SP	Sand, fine, poorly graded, damp, Dark Brown 10YR 3/3	
6								
7								
8								
9								
10	0809	Tube	B1-10	0.3	9 12 19	SP	As above	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20	0820	Tube	B1-20	0.3	10 15 22	SW	Sand, well graded, damp, Light Yellowish Brown	
21							10YR 6/4	
22								
23								
24								
25								

Boring I.D.	Project No.	Project	
B1	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt, Los Angeles		JS	
Drilling Method	Driller	Checked By:	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	0730	1052	Soil Vapor Probes	70'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
26							
27							
28							
29							
30	0826	Tube	B1-30	1.7	22 50	SP	Sand, fine, poorly graded, damp, Brown 7.5YR 4/3
31							
32							
33							
34							
35							
36							
37							
38							
39							
40	0832	Tube	B1-40	1.9	50	GP	Sandy Gravel, poorly graded, damp,
41							Dark Grayish Brown, 10YR 4/2
42							
43							
44							
45							
46							
47							
48							
49							
50	0846	Tube	B1-50	0.3	50	GP	As Above

Vapor Probe Detail

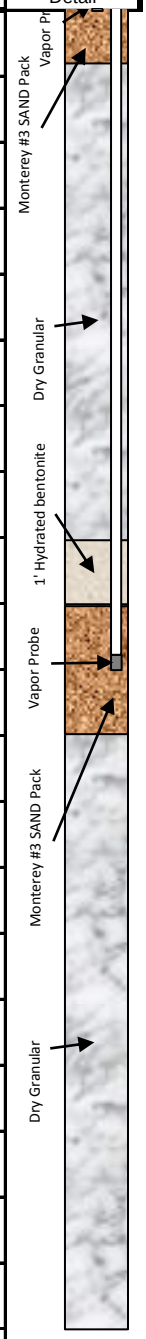


Boring I.D.	Project No.	Project	
B1	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		**Logged By:**	
4th & Hewitt, Los Angeles		JS	
Drilling Method	**Driller**	**Checked By:**	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	0730	1052	Soil Vapor Probes	70'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
51							
52							
53							
54							
55							
56							
57							
58							
59							
60	0859	Tube	B1-60	0.5	50	SW	Gravelly Sand, well graded, damp,
61							Dark Gray 10YR 4/1
62							
63							
64							
65							
66							
67							
68							
69							
70	0910	Tube	B1-70	0.3	50	SP	Sand, fine to medium, damp,
71							Very Dark Grahish Brown, 10YR 3/2 TD=70'
72							
73							
74							
75							

Vapor Probe Detail



Boring I.D.	Project No.	Project	Logged By:
B2	0231.1009	Legendary Develepment LLC, 4th & Hewitt	JS

Location	Driller	Checked By:
4th & Hewitt, Los Angeles	Choice	MP

Drilling Method	Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
Hollow Stem Auger	4/29/2017	1110	1430	Soil Vapor Probes	70'	NA

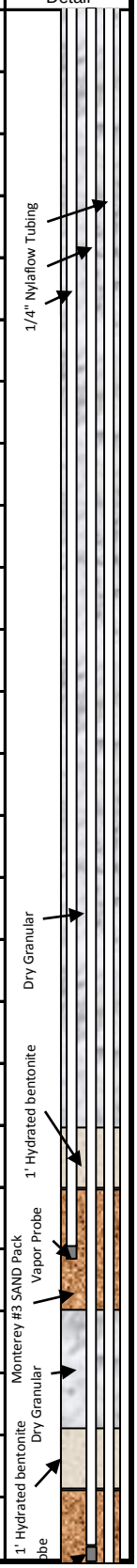
Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology	Vapor Probe Detail
1							Asphalt	
2								
3								
4								
5	1123	Tube	B2-5	0.4	11 9 10	SP	Sand with Gravel, fine, poorly graded, damp,	
6							Dark Grayish Brown 10YR 4/2	
7								
8								
9								
10	1130	Tube	B2-10	0.1	9 8 10	SW	Sand with gravel, well graded, damp,	
11							Dark Brown 10YR 3/3	
12								
13								
14								
15								
16								
17								
18								
19								
20	1137	Tube	B2-20	0.2	4 16 20	SW	Gravelly Sand, well graded	
21							Light Yellowish Brown 2.5 Y 6/3	
22								
23								
24								
25								

Boring I.D.	Project No.	Project	
B2	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		Logged By:	
4th & Hewitt, Los Angeles		JS	
Drilling Method	Driller	Checked By:	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	1110	1430	Soil Vapor Probes	70'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
26							
27							
28							
29							
30	1142	Tube	B2-30	0.6	50	SW	Sand with Gravel, well graded, damp,
31							Dark Grayish Brown 10YR 4/2
32							
33							
34							
35							
36							
37							
38							
39							
40	1158	Tube	B2-40	0.3	50	GP	Sandy Gravel, poorly graded, damp,
41							Light Yellowish Brown 2.5Y 6/3
42							
43							
44							
45							
46							
47							
48							
49							
50	1224	Tube	B2-50	0.3	50	SW	Gravely Sand, well graded, damp,

Vapor Probe Detail

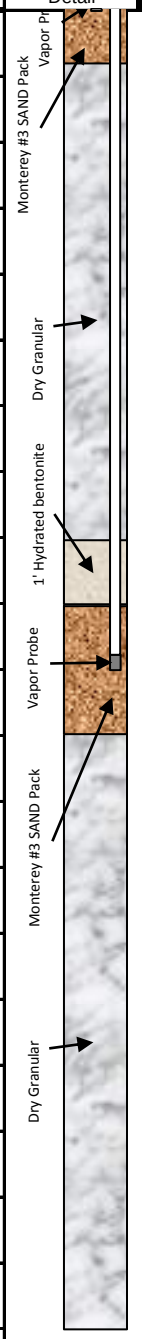


Boring I.D.	Project No.	Project	
B2	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		**Logged By:**	
4th & Hewitt, Los Angeles		JS	
Drilling Method	**Driller**	**Checked By:**	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	1110	1430	Soil Vapor Probes	70'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
51							Light Brownish Gray 2.5Y 6/2
52							
53							
54							
55							
56							
57							
58							
59							
60	1240	Tube	B2-60	0.3	50	SW	Sand, well graded, damp
61							Brownish Yellow 10YR 6/8
62							
63							
64							
65							
66							
67							
68							
69							
70	1253	Tube	B2-70	0	50	SP	Gravelly Sand, fine, poorly graded, damp,
71							Brown 10YR 5/3 TD=70'
72							
73							
74							
75							

Vapor Probe Detail



Boring I.D.	Project No.	Project	Logged By:
B3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	JS

Location	Driller	Checked By:
4th & Hewitt, Los Angeles	Choice	MP

Drilling Method	Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
Hollow Stem Auger	4/29/2017	1445	1618	Soil Vapor Probes	70'	NA

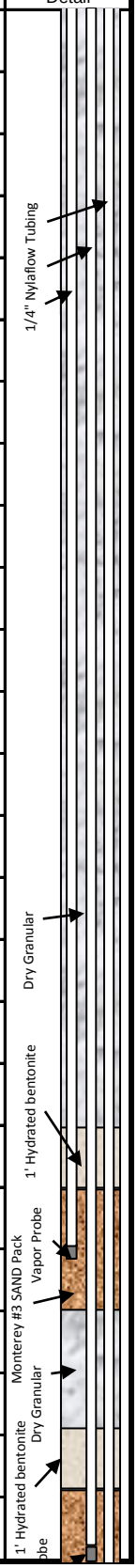
Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology	Vapor Probe Detail
1							Asphalt	
2								
3								
4								
5	1503	Tube	B3-5	0.0	5 5 6	SP	Sand, fine to medium, poorly graded, damp,	
6							Light Yellowish Brown 2.5Y 6/3	
7								
8								
9								
10	1510	Tube	B3-10	0.1	8 10 13	GP	Sandy Gravel, damp, Light Olive Brown 2.5Y 5/4	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20	1516	Tube	B3-20	0.0	25 30 32	GP	Sandy Gravel, granitic gravel fragments, damp,	
21							Very Pale Brown 10YR 7/3	
22								
23								
24								
25								

Boring I.D.	Project No.	Project	
B3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		**Logged By:**	
4th & Hewitt, Los Angeles		JS	
Drilling Method	**Driller**	**Checked By:**	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	1445	1618	Soil Vapor Probes	70'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
26							
27							
28							
29							
30	1522	Tube	B3-30	0.3	50	GP	As above
31							
32							
33							
34							
35							
36							
37							
38							
39							
40	1536	Tube	B3-40	0.2	50	GP	As above
41							
42							
43							
44							
45							
46							
47							
48							
49							
50	1555	Tube	B3-50	0.4	50	GP	As above

Vapor Probe Detail

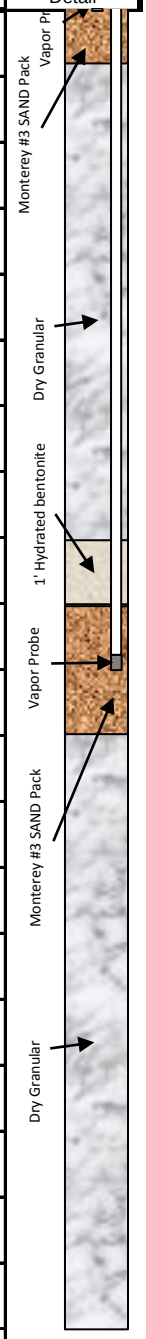


Boring I.D.	Project No.	Project	
B3	0231.1009	Legendary Develepment LLC, 4th & Hewitt	
Location		**Logged By:**	
4th & Hewitt, Los Angeles		JS	
Drilling Method	**Driller**	**Checked By:**	
Hollow Stem Auger	Choice	MP	

Drilling Date	Start Time	Completion Time	Backfilling	Total Depth	Depth to Groundwater
4/29/2017	1445	1618	Soil Vapor Probes	70'	NA

Depth (feet)	Time.	Sample Type	Sample I.D.	PID (ppb)	Blow Count	USCS	Lithology
51							
52							
53							
54							
55							
56							
57							
58							
59							
60	1613	Tube	B3-60	0.2	50	SW	Gravelly Sand, well graded,
61							Light Yellowish Brown 2.5Y 6/4
62							
63							
64							
65							
66							
67							
68							
69							
70	1618	Tube	B3-70	0	50	SW	As above
71							TD=70'
72							
73							
74							
75							

Vapor Probe Detail



CITADEL
ENVIRONMENTAL SERVICES, INC.

Appendix D
Laboratory Report

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

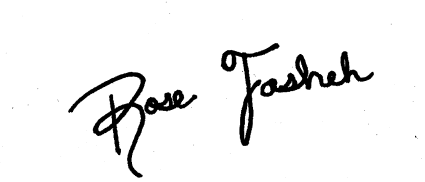
03 May 2017

Mark Drollinger
Citadel Environmental
400 N. Tustin Ave
Tustin, CA 92705

RE: 405 S.Hewitt St. Los Angeles

Enclosed are the results of analyses for samples received by the laboratory on 05/02/17 08:01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rose Fasheh
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1,10'	T171096-02	Soil	04/29/17 08:09	05/02/17 08:01
B1,20'	T171096-03	Soil	04/29/17 08:20	05/02/17 08:01
B1,30'	T171096-04	Soil	04/29/17 08:26	05/02/17 08:01
B2,10'	T171096-10	Soil	04/29/17 11:30	05/02/17 08:01
B2,20'	T171096-11	Soil	04/29/17 11:37	05/02/17 08:01
B2,30'	T171096-12	Soil	04/29/17 11:42	05/02/17 08:01
B3,10'	T171096-18	Soil	04/29/17 15:10	05/02/17 08:01
B3,20'	T171096-19	Soil	04/29/17 15:16	05/02/17 08:01
B3,30'	T171096-20	Soil	04/29/17 15:22	05/02/17 08:01

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

DETECTIONS SUMMARY

Sample ID: B1,10' **Laboratory ID:** T171096-02

No Results Detected

Sample ID: B1,20' **Laboratory ID:** T171096-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**0.92**	0.25	mg/kg	6020 ICP-MS	
Barium	**31**	0.25	mg/kg	6020 ICP-MS	
Chromium	**3.8**	0.25	mg/kg	6020 ICP-MS	
Cobalt	**2.1**	0.25	mg/kg	6020 ICP-MS	
Copper	**3.1**	0.25	mg/kg	6020 ICP-MS	
Lead	**1.0**	0.25	mg/kg	6020 ICP-MS	
Nickel	**2.3**	0.25	mg/kg	6020 ICP-MS	
Vanadium	**18**	0.25	mg/kg	6020 ICP-MS	
Zinc	**14**	0.25	mg/kg	6020 ICP-MS	

Sample ID: B1,30' **Laboratory ID:** T171096-04

No Results Detected

Sample ID: B2,10' **Laboratory ID:** T171096-10

Analyte	Result	Reporting Limit	Units	Method	Notes
C29-C40 (MORO)	**81**	10	mg/kg	EPA 8015B	

Sample ID: B2,20' **Laboratory ID:** T171096-11

No Results Detected

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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949.297.5020 Phone
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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Sample ID: B2,30' **Laboratory ID:** T171096-12

No Results Detected

Sample ID: B3,10' **Laboratory ID:** T171096-18

No Results Detected

Sample ID: B3,20' **Laboratory ID:** T171096-19

No Results Detected

Sample ID: B3,30' **Laboratory ID:** T171096-20

No Results Detected

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,10'

T171096-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*102 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,10'

T171096-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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B1,10'

T171096-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*118 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*126 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*85.5-116*		"	"	"	"	

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,20'

T171096-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*102 %*	*65-135*		*"*	*"*	*"*	*"*	
Metals by EPA 6020 Method									
Antimony	ND	0.25	mg/kg	1	7050225	05/02/17	05/03/17	6020 ICP-MS	
Arsenic	**0.92**	0.25	"	"	"	"	"	"	
Barium	**31**	0.25	"	"	"	"	"	"	
Beryllium	ND	0.25	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	**3.8**	0.25	"	"	"	"	"	"	
Cobalt	**2.1**	0.25	"	"	"	"	"	"	
Copper	**3.1**	0.25	"	"	"	"	"	"	
Lead	**1.0**	0.25	"	"	"	"	"	"	
Molybdenum	ND	0.25	"	"	"	"	"	"	
Nickel	**2.3**	0.25	"	"	"	"	"	"	
Selenium	ND	1.2	"	"	"	"	"	"	
Silver	ND	0.25	"	"	"	"	"	"	
Thallium	ND	0.25	"	"	"	"	"	"	
Vanadium	**18**	0.25	"	"	"	"	"	"	
Zinc	**14**	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	7050222	05/02/17	05/03/17	EPA 7471A Soil	

SunStar Laboratories, Inc.

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,20'

T171096-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,20'

T171096-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*127 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*85.5-116*		"	"	"	"	

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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,30'

T171096-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*109 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,30'

T171096-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B1,30'

T171096-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*116 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*85.5-116*		"	"	"	"	

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,10'

T171096-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	**81**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*109 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,10'

T171096-10 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,10'

T171096-10 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*119 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*85.5-116*		"	"	"	"	

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Lake Forest, California 92630
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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,20'

T171096-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*108 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Lake Forest, California 92630
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949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,20'

T171096-11 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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Lake Forest, California 92630
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949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,20'

T171096-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*117 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*133 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*85.5-116*		"	"	"	"	

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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,30'

T171096-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*108 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,30'

T171096-12 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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949.297.5020 Phone
949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B2,30'

T171096-12 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*114 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*85.5-116*		"	"	"	"	

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949.297.5020 Phone
949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,10'

T171096-18 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*107 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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949.297.5020 Phone
949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,10'

T171096-18 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,10'

T171096-18 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*85.5-116*		"	"	"	"	

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949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,20'

T171096-19 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/02/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*109 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,20'

T171096-19 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,20'

T171096-19 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*131 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*85.5-116*		"	"	"	"	

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Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,30'

T171096-20 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	7050218	05/02/17	05/03/17	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*105 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Citadel Environmental	Project: 405 S.Hewitt St. Los Angeles	
400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,30'

T171096-20 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	

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949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

B3,30'

T171096-20 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
o-Xylene	ND	5.0	ug/kg	1	7050214	05/02/17	05/02/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*133 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*85.5-116*		"	"	"	"	

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050218 - EPA 3550B GC										
Blank (7050218-BLK1)				Prepared & Analyzed: 05/02/17						
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*99.3*		*"*	*95.2*		*104*	*65-135*			
LCS (7050218-BS1)				Prepared: 05/02/17 Analyzed: 05/03/17						
C13-C28 (DRO)	530	10	mg/kg	500		106	75-125			
Surrogate: p-Terphenyl	*104*		*"*	*100*		*104*	*65-135*			
LCS Dup (7050218-BSD1)				Prepared: 05/02/17 Analyzed: 05/03/17						
C13-C28 (DRO)	530	10	mg/kg	500		105	75-125	0.259	20	
Surrogate: p-Terphenyl	*106*		*"*	*100*		*106*	*65-135*			

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Metals by EPA 6020 Method - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050225 - EPA 3051										
Blank (7050225-BLK1)				Prepared: 05/02/17 Analyzed: 05/03/17						
Antimony	ND	0.25	mg/kg							
Arsenic	ND	0.25	"							
Barium	ND	0.25	"							
Beryllium	ND	0.25	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.25	"							
Cobalt	ND	0.25	"							
Copper	ND	0.25	"							
Lead	ND	0.25	"							
Mercury	ND	0.025	"							
Molybdenum	ND	0.25	"							
Nickel	ND	0.25	"							
Selenium	ND	1.2	"							
Silver	ND	0.25	"							
Thallium	ND	0.25	"							
Vanadium	ND	0.25	"							
Zinc	1.03	0.25	"							QB-01
LCS (7050225-BS1)				Prepared: 05/02/17 Analyzed: 05/03/17						
Arsenic	9.14	0.23	mg/kg	9.09		100	80-120			
Barium	9.50	0.23	"	9.09		104	80-120			
Cadmium	9.32	0.23	"	9.09		102	80-120			
Chromium	9.05	0.23	"	9.09		99.6	80-120			
Lead	9.07	0.23	"	9.09		99.8	80-120			
Matrix Spike (7050225-MS1)	**Source: T171096-03**			Prepared: 05/02/17 Analyzed: 05/03/17						
Arsenic	13.2	0.25	mg/kg	9.90	0.920	124	75-125			
Barium	50.5	0.25	"	9.90	31.2	195	75-125			QR-04
Cadmium	12.0	0.25	"	9.90	0.0311	121	75-125			
Chromium	17.9	0.25	"	9.90	3.75	143	75-125			QR-04
Lead	13.6	0.25	"	9.90	1.03	127	75-125			QR-04

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949.297.5020 Phone
949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Metals by EPA 6020 Method - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050225 - EPA 3051										
Matrix Spike Dup (7050225-MSD1)	**Source: T171096-03**			Prepared: 05/02/17 Analyzed: 05/03/17						
Arsenic	11.7	0.25	mg/kg	9.35	0.920	115	75-125	12.3	20	
Barium	42.1	0.25	"	9.35	31.2	117	75-125	18.1	20	
Cadmium	10.6	0.25	"	9.35	0.0311	113	75-125	12.2	20	
Chromium	14.9	0.25	"	9.35	3.75	119	75-125	18.5	20	
Lead	11.9	0.25	"	9.35	1.03	116	75-125	13.6	20	

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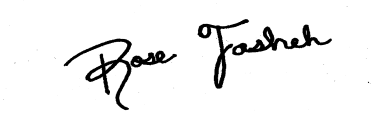

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949.297.5027 Fax

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050222 - EPA 7471A Soil										
Blank (7050222-BLK1)				Prepared: 05/02/17 Analyzed: 05/03/17						
Mercury	ND	0.10	mg/kg							
LCS (7050222-BS1)				Prepared: 05/02/17 Analyzed: 05/03/17						
Mercury	0.340	0.10	mg/kg	0.417		81.5	75-125			
Matrix Spike (7050222-MS1)	**Source: T171096-03**			Prepared: 05/02/17 Analyzed: 05/03/17						
Mercury	0.342	0.10	mg/kg	0.397	0.0463	74.4	75-125			QR-04
Matrix Spike Dup (7050222-MSD1)	**Source: T171096-03**			Prepared: 05/02/17 Analyzed: 05/03/17						
Mercury	0.355	0.10	mg/kg	0.403	0.0463	76.6	75-125	3.90	20	

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949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050214 - EPA 5030 GCMS										
Blank (7050214-BLK1)				Prepared & Analyzed: 05/02/17						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050214 - EPA 5030 GCMS										
Blank (7050214-BLK1)				Prepared & Analyzed: 05/02/17						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	*46.8*		"	*39.7*		*118*	*81.2-123*			
Surrogate: Dibromofluoromethane	*51.9*		"	*39.7*		*131*	*95.7-135*			
Surrogate: Toluene-d8	*44.2*		"	*39.7*		*111*	*85.5-116*			
LCS (7050214-BS1)				Prepared & Analyzed: 05/02/17						
Chlorobenzene	90.6	5.0	ug/kg	98.8		91.6	75-125			
1,1-Dichloroethene	81.4	5.0	"	98.8		82.4	75-125			
Trichloroethene	83.2	5.0	"	98.8		84.2	75-125			
Benzene	85.0	5.0	"	98.8		86.0	75-125			
Toluene	86.8	5.0	"	98.8		87.8	75-125			
Surrogate: 4-Bromofluorobenzene	*46.2*		"	*39.5*		*117*	*81.2-123*			
Surrogate: Dibromofluoromethane	*52.4*		"	*39.5*		*133*	*95.7-135*			
Surrogate: Toluene-d8	*40.6*		"	*39.5*		*103*	*85.5-116*			

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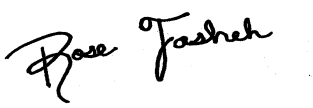

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400 N. Tustin Ave	Project Number: 0231.1009	**Reported:**
Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050214 - EPA 5030 GCMS										
LCS Dup (7050214-BSD1)				Prepared & Analyzed: 05/02/17						
Chlorobenzene	108	5.0	ug/kg	99.6		109	75-125	17.7	20	
1,1-Dichloroethene	90.4	5.0	"	99.6		90.8	75-125	10.5	20	
Trichloroethene	94.2	5.0	"	99.6		94.6	75-125	12.4	20	
Benzene	95.0	5.0	"	99.6		95.4	75-125	11.1	20	
Toluene	101	5.0	"	99.6		102	75-125	15.5	20	
Surrogate: 4-Bromofluorobenzene	*47.4*		*"*	*39.8*		*119*	*81.2-123*			
Surrogate: Dibromofluoromethane	*52.7*		*"*	*39.8*		*132*	*95.7-135*			
Surrogate: Toluene-d8	*41.4*		*"*	*39.8*		*104*	*85.5-116*			

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Tustin CA, 92705	Project Manager: Mark Drollinger	05/03/17 16:21

Notes and Definitions

QR-04	The pecent recovery and/or RPD was outside acceptance criteria. Results accepted based upon percent recovery results in duplicate QC sample and the CCV and CCB results.
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CITADEL ENVIRONMENTAL SERVICES, INC.
assess resolve strengthen

3-day TAT

SOIL SAMPLING

PROJECT NO. 0231.1009 CLIENT Citadel
PROJECT LOCATION 405 S. Hewitt St. Los Angeles
WORK AREA(S) 1. open parking lot 2. gated parking lot 3.

DATE 04/29/17 TIME _____ AM / PM
SAMPLES COLLECTED BY Jay Schneider
SAMPLE TYPE stainless steel sleeves ; soil
ANALYTICAL METHODS 8015B TPH, 8260 VOCs → gas, diesel & oil
LABORATORY Sunstar
send report to Mark Drollinger: mdrollinger@citadelenvironmental.com

4.2°C
T171096

SAMPLE NO.	SAMPLE TYPE	SAMPLE LOCATION	~~ACTIVITY~~ TIME	NUMBER OF CONTAINERS	CONTAINER TYPE	COMMENTS	
B1, 5'	soil	B1	0802		steel sleeve	extract and HOLD	01
B1, 10'			0809			analyze	02
B1, 20'			0820			analyze	03
B1, 30'			0826			analyze	04
B1, 40'			0832			extract and HOLD	05
B1, 50'			0846			extract and HOLD	06
B1, 60'			0859			extract and HOLD	07
B1, 70'		↓	0910			extract and HOLD	08
B2, 5'		B2	1123			extract and HOLD	09
B2, 10'	↓	B2	1130	↓	↓	analyze	10

TYPE:
CLE=clearance
Composite Discrete

WORK ACTIVITY:
BAS=baseline CLE=clearance
REM=removal UST

SIGNATURES:
Sampled by: Jay Schneider
Reviewed by: 8:01 5/2/17

Mike Pendergrass, Citadel, 1730, 5-1-17

Mike Pender 0800 5-2-17

CITADEL ENVIRONMENTAL SERVICES, INC.
assess resolve strengthen

3-day TAT

SOIL SAMPLING

PROJECT NO. 0231009 CLIENT Citadel
PROJECT LOCATION 405 S. Hewitt St.

WORK AREA(S) 1. open parking lot
2. gated parking lot
3.

DATE 04/29/17 TIME _____ AM / PM
SAMPLES COLLECTED BY Jay Schneider
SAMPLE TYPE stainless steel sleeves; soil
ANALYTICAL METHODS 8015B TPH, 8260 VOCs → gas, diesel + oil
LABORATORY Sunstar
Send results to Mark Drollinger: mdrollinger@citadelenvironmental.com

4.2°C
T171069

SAMPLE NO.	SAMPLE TYPE	SAMPLE LOCATION	~~ACTIVITY~~ TIME	NUMBER OF CONTAINERS	CONTAINER TYPE	COMMENTS	
B2, 20'	soil	B2	1137		steel sleeve	analyze	10
B2, 30'			1142			analyze	11
B2, 40'			1158			extract and HOLD	12
B2, 50'			1224			extract and HOLD	13
B2, 60'			1240			extract and HOLD	14
B2, 70'			1253			extract and HOLD	15
B3, 5'		B3	1503			extract and HOLD	16
B3, 10'			1510			analyze	17
B3, 20'			1516			analyze	18
B3, 30'			1522			analyze	19

TYPE:
CLE=clearance
Composite Discrete

WORK ACTIVITY:
BAS=baseline
REM=removal
CLE=clearance
UST

SIGNATURES:
Sampled by: Jay Schneider
Reviewed by: 8:01 5/2/17

Mike Pendergrass, Citadel, 1730, 5-1-17

Mike Pendergrass 0800 5-2-17

CITADEL ENVIRONMENTAL SERVICES, INC.
assess resolve strengthen

3-day TAT

SOIL SAMPLING

PROJECT NO. 0239.1009 CLIENT Citadel

PROJECT LOCATION 405 S. Hewitt St. Los Angeles

WORK AREA(S) 1. open parking lot 2. gated parking lot 3.

DATE 04/29/17 TIME _____ AM / PM

SAMPLES COLLECTED BY Jay Schneider

SAMPLE TYPE stainless steel sleeves; soil

ANALYTICAL METHODS 8015B TPH → gas, diesel & oil, 8260B VOCs

LABORATORY Sunstar

send report to Mark Drollinger: mdrollinger@citadelenvironmental.com

4.2°C

T171096

SAMPLE NO.	SAMPLE TYPE	SAMPLE LOCATION	~~ACTIVITY~~ TIME	NUMBER OF CONTAINERS	CONTAINER TYPE	COMMENTS	
B3, 40'	soil	B3	1536		steel sleeve	extract and HOLD	21
B3, 50'	↓	↓	1555		↓	extract and HOLD	22
B3, 60'			1613			extract and HOLD	23
B3, 70'	↓	↓	1618	↓	↓	extract and HOLD	24

TYPE:
CLE=clearance
Composite Discrete

WORK ACTIVITY:
BAS=baseline
REM=removal
CLE=clearance
UST

SIGNATURES:
Sampled by: Jay Schneider
Reviewed by: 0801 5/2/17

Mike Pendergrass, Citadel, 1730, 5-1-17

Mike Pendergrass 0800 5-2-17

SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T171096

Client Name: Citadel Project: 405 S. Hewitt St. Los Angeles

Delivered by: ☒ **Client** ☐ **SunStar Courier** ☐ **GSO** ☐ **FedEx** ☐ **Other**

If Courier, Received by: — Date/Time Courier Received: —

Lab Received by: Joey Date/Time Lab Received: 5/2/17 8:01

Total number of coolers received: 0

Temperature:	Cooler #1	4.2 °C +/- the CF (- 0.2°C) =	4.0	°C corrected temperature
Temperature:	Cooler #2	°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature:	Cooler #3	°C +/- the CF (- 0.2°C) =		°C corrected temperature

Temperature criteria = ≤ 6°C (no frozen containers) — Within criteria? ☒ **Yes** ☐ **No**

If NO:

Samples received on ice?	☐ Yes	☐ **No → Complete Non-Conformance Sheet**
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☒ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: JH 5-2-17

Comments:

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

Rose Fasheh

From: Mike Pendergrass [MPendergrass@citadelenvironmental.com]
Sent: Tuesday, May 02, 2017 9:43 AM
To: Rose Fasheh
Subject: Citadel samples

Rose,
All of the samples marked “extract and hold”, please change to just “Hold”.

Thanks,
Mike

T. Michael Pendergrass, P.G.
Senior Project Geologist, Engineering & Environmental Sciences

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151 Kalmus Drive. GSA Advantage!
Suite F-4
Costa Mesa, CA 92626
D: 818-296-9405 | **F:** 714.547.4647 | **C:** 818.482.1176
www.citadelenvironmental.com
Glendale | Orange County | Valencia | San Jose | Torrance | Chicago

Rose Fasheh

From: Mike Pendergrass [MPendergrass@citadelenvironmental.com]
Sent: Tuesday, May 02, 2017 11:40 AM
To: Rose Fasheh; Mark Drollinger
Subject: RE: Work Order Confirmation for 405 S. Hewitt St., Los Angeles (T171096)

Rose,
We need Title 22 metals from one sample for disposal purposes. Can you add Title 22 metals (6010b/7471) for sample B1,20'.

Thanks,
Mike

T. Michael Pendergrass, P.G.
Senior Project Geologist, Engineering & Environmental Sciences

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From: Rose Fasheh [mailto:Rose@sunstarlabs.com]
Sent: Tuesday, May 02, 2017 10:47 AM
To: Mark Drollinger <mdrollinger@CitadelEnvironmental.com>; Mike Pendergrass <MPendergrass@citadelenvironmental.com>
Subject: Work Order Confirmation for 405 S. Hewitt St., Los Angeles (T171096)

Hello Mark and Mike,

Please see the attached chain-of-custody and work order for samples we received today:

Project: 405 S. Hewitt St., Los Angeles
Project Number: 0231.1009

Please carefully review and if you have any questions or concerns, please feel free to contact me. Thank you for choosing SunStar Labs.

Rose Fasheh

To: Mike Pendergrass
Subject: RE: Work Order Confirmation for 405 S. Hewitt St., Los Angeles (T171096)

From: Mike Pendergrass [mailto:MPendergrass@citadelenvironmental.com]
Sent: Wednesday, May 03, 2017 9:24 AM
To: Rose Fasheh; Mark Drollinger
Subject: RE: Work Order Confirmation for 405 S. Hewitt St., Los Angeles (T171096)

Yes, use the 6020 method.

Mike

T. Michael Pendergrass, P.G.
Senior Project Geologist, Engineering & Environmental Sciences

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From: Rose Fasheh [mailto:Rose@sunstarlabs.com]
Sent: Wednesday, May 03, 2017 9:16 AM
To: Mike Pendergrass <MPendergrass@citadelenvironmental.com>; Mark Drollinger <mdrollinger@CitadelEnvironmental.com>
Subject: RE: Work Order Confirmation for 405 S. Hewitt St., Los Angeles (T171096)

Good morning gentlemen,

Our ICP instrument went down (we run our 6010 metals on it). Will you be okay if we run the (1) soil sample by method EPA 6020 (main difference is lower RLs)? Please advise. I will still be able to get you results before COB today.

The 8260 and 8015 Carbon Chain data is in, just pending review. I will send you a prelim before noon.

Thank you,

Rose Fasheh
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171096

Client: **Citadel Environmental** **Project Manager:** **Rose Fasheh**

Project: **405 S.Hewitt St. Los Angeles** **Project Number:** **0231.1009**

Report To:

Citadel Environmental
Mark Drollinger
400 N. Tustin Ave
Tustin, CA 92705

Date Due: 05/03/17 17:00 (1 day TAT)

Received By: Joey Himes Date Received: 05/02/17 08:01

Logged In By: Joey Himes Date Logged In: 05/02/17 08:06

Samples Received at: **4.2°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
T171096-01 B1,5' [Soil] Sampled 04/29/17 08:02 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-02 B1,10' [Soil] Sampled 04/29/17 08:09 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 08:09	
8260	05/03/17 15:00	1	05/13/17 08:09	
T171096-03 B1,20' [Soil] Sampled 04/29/17 08:20 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 08:20	
8260	05/03/17 15:00	1	05/13/17 08:20	
T171096-04 B1,30' [Soil] Sampled 04/29/17 08:26 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 08:26	
8260	05/03/17 15:00	1	05/13/17 08:26	
T171096-05 B1,40' [Soil] Sampled 04/29/17 08:32 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-06 B1,50' [Soil] Sampled 04/29/17 08:46 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171096

Client: Citadel Environmental
Project: 405 S.Hewitt St. Los Angeles
Project Manager: Rose Fasheh
Project Number: 0231.1009

Analysis	Due	TAT	Expires	Comments
T171096-07 B1,60' [Soil] Sampled 04/29/17 08:59 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-08 B1,70' [Soil] Sampled 04/29/17 09:10 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-09 B2,5' [Soil] Sampled 04/29/17 11:23 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-10 B2,10' [Soil] Sampled 04/29/17 11:30 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 11:30	
8260	05/03/17 15:00	1	05/13/17 11:30	
T171096-11 B2,20' [Soil] Sampled 04/29/17 11:37 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 11:37	
8260	05/03/17 15:00	1	05/13/17 11:37	
T171096-12 B2,30' [Soil] Sampled 04/29/17 11:42 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 11:42	
8260	05/03/17 15:00	1	05/13/17 11:42	
T171096-13 B2,40' [Soil] Sampled 04/29/17 11:58 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-14 B2,50' [Soil] Sampled 04/29/17 12:24 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-15 B2,60' [Soil] Sampled 04/29/17 12:40 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-16 B2,70' [Soil] Sampled 04/29/17 12:53 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171096

Client: Citadel Environmental
Project: 405 S.Hewitt St. Los Angeles
Project Manager: Rose Fasheh
Project Number: 0231.1009

Analysis	Due	TAT	Expires	Comments
T171096-17 B3,5' [Soil] Sampled 04/29/17 15:03 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-18 B3,10' [Soil] Sampled 04/29/17 15:10 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 15:10	
8260	05/03/17 15:00	1	05/13/17 15:10	
T171096-19 B3,20' [Soil] Sampled 04/29/17 15:16 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 15:16	
8260	05/03/17 15:00	1	05/13/17 15:16	
T171096-20 B3,30' [Soil] Sampled 04/29/17 15:22 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 15:22	
8260	05/03/17 15:00	1	05/13/17 15:22	
T171096-21 B3,40' [Soil] Sampled 04/29/17 15:36 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-22 B3,50' [Soil] Sampled 04/29/17 15:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-23 B3,60' [Soil] Sampled 04/29/17 16:13 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-24 B3,70' [Soil] Sampled 04/29/17 16:18 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171096

Client: **Citadel Environmental** **Project Manager:** **Rose Fasheh**
Project: **405 S.Hewitt St. Los Angeles** **Project Number:** **0231.1009**

Report To:
Citadel Environmental
Mark Drollinger
400 N. Tustin Ave
Tustin, CA 92705

Date Due: 05/03/17 17:00 (1 day TAT)
Received By: Joey Himes Date Received: 05/02/17 08:01
Logged In By: Joey Himes Date Logged In: 05/02/17 08:06

Samples Received at: **4.2°C**
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confir No

Analysis	Due	TAT	Expires	Comments
T171096-01 B1,5' [Soil] Sampled 04/29/17 08:02 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-02 B1,10' [Soil] Sampled 04/29/17 08:09 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 08:09	
8260	05/03/17 15:00	1	05/13/17 08:09	
T171096-03 B1,20' [Soil] Sampled 04/29/17 08:20 (GMT-08:00) Pacific Time (US &				**Title 22 metals added per client request (Mike, 5/2)**
6010 Title 22	05/03/17 15:00	1	10/26/17 08:20	
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 08:20	
8260	05/03/17 15:00	1	05/13/17 08:20	
T171096-04 B1,30' [Soil] Sampled 04/29/17 08:26 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 08:26	
8260	05/03/17 15:00	1	05/13/17 08:26	
T171096-05 B1,40' [Soil] Sampled 04/29/17 08:32 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-06 B1,50' [Soil] Sampled 04/29/17 08:46 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171096

Client:	**Citadel Environmental**	**Project Manager:**	**Rose Fasheh**
Project:	**405 S.Hewitt St. Los Angeles**	**Project Number:**	**0231.1009**

Analysis	Due	TAT	Expires	Comments
T171096-07 B1,60' [Soil] Sampled 04/29/17 08:59 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-08 B1,70' [Soil] Sampled 04/29/17 09:10 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-09 B2,5' [Soil] Sampled 04/29/17 11:23 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-10 B2,10' [Soil] Sampled 04/29/17 11:30 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 11:30	
8260	05/03/17 15:00	1	05/13/17 11:30	
T171096-11 B2,20' [Soil] Sampled 04/29/17 11:37 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 11:37	
8260	05/03/17 15:00	1	05/13/17 11:37	
T171096-12 B2,30' [Soil] Sampled 04/29/17 11:42 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 11:42	
8260	05/03/17 15:00	1	05/13/17 11:42	
T171096-13 B2,40' [Soil] Sampled 04/29/17 11:58 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-14 B2,50' [Soil] Sampled 04/29/17 12:24 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-15 B2,60' [Soil] Sampled 04/29/17 12:40 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-16 B2,70' [Soil] Sampled 04/29/17 12:53 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171096

Client: Citadel Environmental
Project: 405 S.Hewitt St. Los Angeles
Project Manager: Rose Fasheh
Project Number: 0231.1009

Analysis	Due	TAT	Expires	Comments
T171096-17 B3,5' [Soil] Sampled 04/29/17 15:03 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-18 B3,10' [Soil] Sampled 04/29/17 15:10 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 15:10	
8260	05/03/17 15:00	1	05/13/17 15:10	
T171096-19 B3,20' [Soil] Sampled 04/29/17 15:16 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 15:16	
8260	05/03/17 15:00	1	05/13/17 15:16	
T171096-20 B3,30' [Soil] Sampled 04/29/17 15:22 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	05/03/17 15:00	1	05/13/17 15:22	
8260	05/03/17 15:00	1	05/13/17 15:22	
T171096-21 B3,40' [Soil] Sampled 04/29/17 15:36 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-22 B3,50' [Soil] Sampled 04/29/17 15:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-23 B3,60' [Soil] Sampled 04/29/17 16:13 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171096-24 B3,70' [Soil] Sampled 04/29/17 16:18 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

CITADEL
ENVIRONMENTAL SERVICES, INC.

Appendix E
Non Hazardous Waste Manifest

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07	47339	

Generator and/or Consultant

Generator's Name and Billing Address: LEGENDARY DEVELOPMENTS LLC 6315 BANDINI BOULEVARD COMMERCE, CA 90040	Generator's Phone #: 213-820-9596 Person to Contact: FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* 4TH & HEWITT 411 S. HEWITT ST. LOS ANGELES, CA 0013	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001 Person to Contact: JOE PROVANSAL FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 281649	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	14 DM	Soil			
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☑	Signature and date:	Month	Day	Year
Shirley Lee		5	8	17

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Jose Ferreyra		05	08	17

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
J. PROVANSAL	

Please print or type.

GENERATOR/CONSULTANTS COPY

CITADEL
ENVIRONMENTAL SERVICES, INC.

Appendix F
Certificate of Compliance for Methane Test Data

FORM 1 - CERTIFICATE OF COMPLIANCE FOR METHANE TEST DATA

Part 1: Certification Sheet 405-411 S. Hewitt Street, 900, 910 & 925 East 4th Street, 412 Coylton Street, Los Angeles, CA 90013

Site Address: _____

Legal Description: Tract: 5163-022-001, 002, 003, 005, 022, 023 Lot: _____ Block: _____

Building Use: _____	Architect's, Engineer's or Geologist's Stamp:
Name of Architect, Engineer, or Geologist: T. Michael Pendergrass Mailing Address: 1725 Victory Boulevard Glendale, California 91201 Telephone: 818-246-2707	PROFESSIONAL GEOLOGIST THOMAS MICHAEL PENDERGRASS NO. 5685 EXP. FEB. 28, 2019 STATE OF CALIFORNIA
Name of Testing Laboratory: _____ City Test Lab License #: _____ Telephone:	

I hereby certify that I have tested the above site for the purpose of methane mitigation and that all procedures were conducted by a City of Los Angeles licensed testing agency in conformity with the requirements of the LADBS Information Bulletin P/BC 2014-101. Where the inspection and testing of all or part of the work above is delegated, full responsibility shall be assumed by the architect, engineer or geologist whose signature is affixed thereon.

Signed: T Michael Pendergrass date May 9, 2017

Required Data:

- Project is in the (Methane Zone) or (Methane Buffer Zone).
- Depth of ground water observed during testing: NA feet below the Impervious Membrane.
- Depth of Historical High Ground Water Table Elevation*: NA feet below the Impervious Membrane.
- Design Methane Concentration**: 1,000 parts per million in volume (ppmv).
- Design Methane Pressure***: 0 inches of water column.
- Site Design Level: (Level I, Level II, Level III, Level IV, Level V) with <2 inches of water column.

De-watering:

- De-watering (is) (is not) required per Section 7104.3.7.
- Pump discharge rate _____ cubic feet per minute per reference geology or soil report: _____ dated _____.

Additional Investigation:

- Additional investigation (was) (was not) conducted.

Latest Grading on Site:

- Date of last grading on site (was) (was not) more than 30 days before Site Testing.
- See Attached explanation of the effect on soil gas survey results by grading operations.

Notes:

* Historical High Ground Water Table Elevation shall mean the highest recorded elevation of ground water table based on historical records and field investigations as determined by the engineer for the methane mitigation system.

** Design Methane Concentration shall mean the highest recorded measured methane concentration from either Shallow Soil Gas Test or any Gas Probe Set on the site.

*** Design Methane Pressure shall mean the highest total pressure measured from any Gas Probe Set on the site.

FORM 1 (CONTINUED) - CERTIFICATE OF COMPLIANCE FOR METHANE TEST DATA

Part 2: Test Data - Shallow Soil Gas Test and Gas Probe Test

Site Address: 405-411 S. Hewitt Street, 900, 910 & 925 East 4th Street, 412 Coylton Street, Los Angeles, CA 90013
Description of Gas Analysis Instrument(s):
Instrument Name and Model: LandTec 2000 Instrument Accuracy: ± 0.1 % ~~ppmv~~.
City of Los Angeles Testing License #:

Date	Time	Probe Set #	Concentration ~~(ppmv)~~ %	Pressure (inches water column)	Probe Depth (feet)	Description / Probe Location
4-18-17	1315	SV-1	0.0	0.0	5	
4-18-17	1312	SV-2	0.0	0.0	5	
4-18-17	1334	SV-3	0.0	0.0	5	
4-18-17	1341	SV-5	0.0	0.0	5	
4-18-17	1344	SV-6	0.0	0.0	5	
4-19-17	1302	SV-2	0.0	0.0	15	
4-19-17	1305	SV-2	0.0	0.0	30	
4-19-17	1309	SV-3	0.0	0.0	15	
4-19-17	1311	SV-3	0.0	0.0	30	
4-19-17	1319	SV-5	0.0	0.0	15	
4-19-17	1322	SV-5	0.0	0.0	30	
5-4-17	1605	B1	0.0	0.0	45	
5-4-17	1610	B1	0.0	0.0	50	
5-4-17	1614	B1	0.0	0.0	60	
5-4-17	1635	B2	0.0	0.0	45	
5-4-17	1640	B2	0.0	0.0	50	
5-4-17	1645	B2	0.0	0.0	60	
5-4-17	1655	B3	0.0	0.0	45	
5-4-17	1700	B3	0.0	0.0	50	
5-4-17	1705	B3	0.0	0.0	60	
5-7-17	0746	B1	0.0	0.0	45	
5-7-17	0750	B1	0.0	0.0	50	
5-7-17	0755	B1	0.0	0.0	60	

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FORM 1 (CONTINUED) - CERTIFICATE OF COMPLIANCE FOR METHANE TEST DATA

Part 2: Test Data - Shallow Soil Gas Test and Gas Probe Test

Site Address: 405-411 S. Hewitt Street, 900, 910 & 925 East 4th Street, 412 Coylton Street, Los Angeles, CA 90013
Description of Gas Analysis Instrument(s):
Instrument Name and Model: LandTec 2000 Instrument Accuracy: ± 0.1 % ~~ppmv~~.
City of Los Angeles Testing License #:

Date	Time	Probe Set #	Concentration (~~ppmv~~) %	Pressure (inches water column)	Probe Depth (feet)	Description / Probe Location
5-7-17	0810	B2	0.0	0.0	45	
5-7-17	0815	B2	0.0	0.0	50	
5-7-17	0820	B2	0.0	0.0	60	
5-7-17	0845	B3	0.0	0.0	45	
5-7-17	0850	B3	0.0	0.0	50	
5-7-17	0855	B3	0.0	0.0	60	

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