SCS ENGINEERS

Phase II
Environmental Site Assessment
for

Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Presented to:

Mr. Brent Srock
Airborne America, Inc.
860 Country Club Lane
Coronado, California 92118

Presented by:

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123
(858) 571-5500

December 19, 2014
Project Number 01214209.00

December 19, 2014
Project No. 01214209.00

Mr. Brent Srock
Airborne America, Inc.
860 Country Club Lane
Coronado, California 92118

Subject: **Phase II Environmental Site Assessment**

Site: **1401 Imperial Avenue**
San Diego, California

Dear Mr. Srock:

SCS Engineers is pleased to present this report (Report) of the Phase II Environmental Site Assessment for the referenced Site. This work was conducted in accordance with Scope of Service Change Number 1 to Exhibit 00 to the previously executed consulting agreement between SCS and Airborne America, Inc.

Should you have any questions regarding this Report, please do not hesitate to call the undersigned at (858) 571-5500.

Sincerely,

Alissa Barrow
Staff Professional
SCS ENGINEERS

Charles E. Houser, CHg 945
Project Manager
SCS ENGINEERS

PROFESSIONAL GEOLOGIST
CHARLES E. HOUSER
NO. 945
CERTIFIED
HYDROGEOLOGIST
Exp. 9/15
STATE OF CALIFORNIA

Luke Montague, PG 8071, MESM
Senior Project Professional
SCS ENGINEERS

AB

F:\Projects\214\201-300\01214209 (Airborne America Inc)\Phase II ESA\01214209.00.PhII.ESA.final.docx

Table of Contents

Section **Page**

List of Figures

List of Tables

Appendices

1.0 BACKGROUND

Based on our conversations and a review of a Phase I Environmental Site Assessment (ESA) report prepared by Environmental Management Services, Inc. (EMS), dated May 14, 2004 (Phase I ESA), SCS Engineers (SCS) understands that the site is identified as 1401 Imperial Avenue and consists of two parcels of land (parcels) approximately 10,000 square feet of land in San Diego, California (Site) (Figure 1). Currently the Site is developed with an asphalt-paved parking lot. Airborne America, Inc. (Client), provided SCS with a copy of this Phase I ESA to review. As outlined in the above-referenced Phase I ESA, the Site has been formerly occupied by an automotive repair facility that included an in-ground hoist and former underground storage tanks (USTs) used to store gasoline and diesel fuel. An 8,000-gallon gasoline UST was removed from the Site prior to 1989, and a 10,000-gallon gasoline (formerly diesel fuel) UST was removed on January 17, 1997.

Subsequent to the removal of the 10,000 gasoline UST, assessment activities were reportedly conducted at the Site. According to the Phase I ESA, the San Diego County Department of Environmental Health (DEH) issued a letter on December 23, 1997, stating that no further action was required relative to the gasoline release. SCS understands that the proposed development for the Site includes excavation for a concrete structure that will extend approximately 45 feet below ground surface (bgs).

During recent geotechnical sampling activities, four soil borings were drilled at the Site by Murbach Geotech. Fill soil ranging in thickness from 5 to 15 feet deep was noted in these borings. Groundwater was noted at approximately 15 feet bgs, and petroleum hydrocarbon odors were noted associated with a borehole drilled in the northwest corner of the Site. According to the Phase I ESA, in-ground hoists and USTs were reported in the central and southern portion of the Site. SCS discussed this with the Client and recommended that, before Phase II activities were considered (e.g., soil and/or groundwater sampling), a geophysical survey may detect geophysical anomalies which can be indicative of subsurface features such as backfilled excavations and fill soils, USTs, cisterns, in-ground hoists, burn pits, or clarifiers. Information regarding such features would assist in designing an appropriate Phase II sampling program.

Under contract to SCS, Southwest Geophysics conducted a geophysical survey of the Site. According to the geophysical survey report (Appendix A), several features that are consistent with reported past Site use were noted during the survey, including:

- A possible excavation in the vicinity of the reported former location of USTs in the southwestern portion of the Site.
- A possible excavation and/or subsurface feature in the reported approximate location of a former in-ground hoist.
- A subsurface feature (electromagnetic [EM] anomaly) in the reported approximate former location of a fuel dispenser.

In addition to the above-described features, an EM anomaly was noted in the northwest corner of the Site. This anomaly, consisting of a generally rectangular-shaped anomaly at approximately 4 feet depth and a circular anomaly just below the ground surface in the center of

the rectangular anomaly, is consistent with a possible existing UST. Further, a boring drilled in the immediate vicinity of this anomaly for the recent geotechnical investigation reportedly encountered hydrocarbon odors.

Based on the historical Site information, results of the geophysical survey, and observations during the recent geotechnical investigation, SCS recommended in a telephone conversation with the Client that a Phase II site assessment be conducted. The Client requested a Phase II site assessment proposal in response to that request.

During October 2014, SCS conducted Phase II sampling activities including excavation of soil borings and trenches, soil and groundwater sampling, and installation of two groundwater monitoring wells for the purpose of evaluating groundwater conditions relative to proposed dewatering during construction. This report (Report) provides the results of the Phase II Environmental Site Assessment activities.

1.1 SITE DESCRIPTION SUMMARY

Site Name:	Airborne America, Inc.
Site Owner:	Airborne America, Inc.
Site Address:	1401 Imperial Avenue, San Diego, California
Assessor's Parcel Numbers:	535-614-01 and -02

2.0 OBJECTIVES

The objectives of the scope of services in this Report were to:

- Assess, by means of advancing borings in selected locations at the Site, the depth of the contact between fill and native soil across the Site and for the possible presence of burn ash or elevated metals-bearing fill soil;
- Assess by means of advancing borings in selected locations at the Site, the possible presence of constituents of concern (CoCs), including petroleum hydrocarbons and volatile organic compounds (VOCs), in soil and groundwater associated with the reported former USTs and the former automotive repair facility;
- Assess, by means of advancing shallow trenches, the EM anomalies and possible subsurface features at the Site; and
- Assess groundwater conditions associated with the reported former USTs and former automotive repair facility.

3.0 SCOPE OF SERVICES

TASK 1 PREPARATION FOR FIELD WORK

Permitting

Because three of the soil borings extended into groundwater, a soil boring permit was required for those three wells. SCS prepared and submitted the necessary soil boring permit application and the appropriate fees to the DEH. The soil boring permit application reflects appropriate decontamination procedures and soil boring backfill methods, and was signed by an appropriately licensed professional. A copy of the approved boring permit number LMWP-001293 is provided (Appendix B).

Site Health and Safety Plan

A Site health and safety plan (Plan) was required for the work conducted at the Site by workers within the "exclusion zone" pursuant to the regulations in 29 Code of Federal Regulations Part 1910.120 and Title 8 California Code of Regulations Section 5192. The Plan outlined the potential chemical and physical hazards that might be encountered during the sampling activities. The appropriate personal protective equipment and emergency response procedures for the Site-specific chemical and physical hazards were detailed in the Plan. All field personnel involved with the field work were required to read and sign the document in order to encourage proper health and safety practices.

Utility Search and Markout

SCS notified Underground Service Alert (USA), as required by state law, and relied on the results of the geophysical survey to clear boring locations of subsurface utilities. These procedures were designed to minimize the likelihood of drilling into a subsurface utility.

TASK 2 SOIL AND GROUNDWATER SAMPLING

Trenching

On October 15 and 16, 2014, SCS excavated and sampled four exploratory trenches (T1 through T4) at the Site (Figure 2). The trenches were excavated with a back-hoe to depths ranging from approximately 4 to 8 feet bgs. Soil samples were collected at the discretion of the field geologist at various depths based on observations of the trench walls (changes in material type, presence of debris, fill/formation contact, etc.).

Samples were collected from the teeth of the back-hoe bucket and placed in laboratory-supplied glass jars, tightly capped, labeled, and packed in ice-filled coolers for delivery to American Scientific Laboratories, LLC (ASL), a state-accredited, fixed-based laboratory. Chain-of-custody procedures were implemented for sample tracking. A written analytical report was provided by the laboratory upon completion of the sample testing (Appendix E). A description of the trench locations, sample depths, and rationale are presented in the following table.

Trench Number	Location	Samples/Depths	Analyses	Rationale
T1	Vicinity of EM anomaly in northwest corner of Site	Up to four soil samples per trench at depths of approximately 1, 2, 5, and 8 feet below grade	Extended range TPH by CA DOHS LUFT Method, Total Lead by EPA Method 6010b	Evaluate EM anomaly (check for possible UST)
T2	Vicinity of EM anomaly in northeast portion of Site		Total Lead by EPA Method 6010b	Evaluate EM anomaly (check for possible UST)
T3	Vicinity of GPR anomaly in approximate reported former in-ground hoist location		None performed due to presence of trash and debris in a concrete vault	Evaluate whether a hoist may still be in-place and condition of backfill if it is not.
T4	Vicinity of possible excavation in northeastern portion of Site		Total Lead by EPA Method 6010b	Evaluate whether excavation backfill exists in this location

EM: Electromagnetic anomaly
TPH: Total petroleum hydrocarbons
CA DOHS LUFT: California Department of Health Services, Leaking Underground Fuel Tank
EPA: U.S. Environmental Protection Agency
UST: Underground storage tank
GPR: Ground-penetrating radar

A California Professional Geologist, or a qualified professional under the direct supervision of a Professional Geologist, was on-Site to observe the trenching activity and log the trenches (Appendix C). Soil samples were described in accordance with the Unified Soil Classification System.

Soil Borings

On October 15 through 17, 2014, SCS advanced six exploratory soil borings at the Site (Figure 2). Three shallow borings (EB1, EB2, and EB3) were advanced to a depth of approximately 10 feet bgsto evaluate fill depth and possible presence of elevated metals in fill. One deeper boring (EB4) was advanced to 20 feet bgs to evaluate soil and groundwater conditions associated with the possible UST. Two deeper soil borings were advanced to 60 feet below grade to evaluate soil and groundwater conditions related to the former fuel dispenser and USTs, and to facilitate the installation of groundwater monitoring wells (MW-1 and MW-2) to evaluate aquifer conditions. Refer to the Monitoring Well Installation section below for discussion regarding the wells.

A truck-mounted, hollow-stem auger drilling rig was used to advance the soil borings. Augers were pre-cleaned before use and cleaned between borings to minimize the likelihood of cross-contaminating a given boring and to minimize the potential for a false positive in the soil samples analyzed. The sampler was decontaminated with a water-Alconox™ solution wash and two tap water rinses.

Soil samples were collected from depths of approximately 1, 2, 5, and 10 feet bgs in all six soil borings (with the exception of the sample from MW-1 at 10 feet, for which no recovery was obtained), and at approximately 15 and 20 feet bgs in the three borings to assess possible USTs and the fuel dispenser (EB4, MW-1, and MW-2). Samples were collected using a

split-spoon-type sampler with brass or stainless steel sleeves. The ends of the sleeves selected for analysis were covered with Teflon™ sheeting and tightly closed with end caps for handling and transportation activities. The sample containers were labeled and packed in ice-filled coolers for delivery to ASL. Chain-of-custody procedures were implemented for sample tracking. A written analytical report was provided by the laboratory upon completion of the sample testing (Appendix E).

To assess the presence of dissolved petroleum hydrocarbons in groundwater, a shallow groundwater grab sample was collected from each of the three borings associated with possible former or existing UST systems using a temporary polyvinyl chloride (PVC) casing and disposable bailer.

Upon completion, the borings were backfilled with hydrated bentonite granules and completed at the surface with appropriate patching to match the surrounding ground surface.

A description of the proposed soil boring locations, sample depths, and rationale are presented in the following table.

<table>
<tr><th>Soil Boring Number</th><th>Location</th><th>Samples / Depths</th><th>Analyses</th><th>Rationale</th></tr>
<tr><td>EB1</td><td>Northeast portion of Site</td><td rowspan="2">Soil: Approximately 1, 2, 5, and 10 feet bgs</td><td rowspan="3">Total Lead by EPA Method 6010b, highest reported Total Lead in each boring was also analyzed for Title 22 metals (CAM 17) by EPA Method 6010b</td><td rowspan="3">Evaluate fill depth and possible presence of elevated metals in fill</td></tr>
<tr><td>EB2</td><td>Southeast portion of Site</td></tr>
<tr><td>EB3</td><td>Southwest edge of Site</td><td>Soil: Approximately 1, 2, 5, 10, and 15 feet bgs</td></tr>
<tr><td>EB4</td><td>Vicinity of EM anomaly in northwest corner of Site</td><td rowspan="3">Soil: Approximately 1, 2, 5, 10, 15, and 20 feet bgs (no recovery for MW-1 at 10 feet bgs)

Groundwater</td><td rowspan="3">Soil: Extended range TPH by CA DOHS LUFT Method, VOCs by EPA Method 8260B on sample nearest water table (borings to assess USTs and dispenser only), Total Lead by EPA Method 6010b, highest reported Total Lead in each boring was also analyzed for Title 22 metals (CAM 17) (6010b)

Groundwater: Extended range TPH by CA DOHS LUFT Method, VOCs by EPA Method 8260B</td><td>Evaluate soil and groundwater conditions associated with this anomaly (possible UST)</td></tr>
<tr><td>MW-1</td><td>Vicinity of EM anomaly in western portion of Site</td><td>Evaluate soil and groundwater conditions (possible former fuel dispenser)</td></tr>
<tr><td>MW-2</td><td>Possible excavation in southwestern portion of Site</td><td>Evaluate soil and groundwater conditions associated with possible former USTs</td></tr>
</table>

A California Professional Geologist, or a qualified professional under the direct supervision of a Professional Geologist, was on-Site to observe the drilling. Soil samples were described in accordance with the Unified Soil Classification System, and boring logs are provided in Appendix D.

Monitoring Well Installation

After borings MW1 and MW2 were drilled, a groundwater monitoring well was installed in each boring. MW1 and MW2 were constructed of 4-inch-diameter PVC casing and screen. A 0.010-inch screened casing was installed from approximately 10 feet below grade to the total depth of 60 feet bgs. Blank casing was used to complete the casing interval. A sand filter pack consisting of #3 sand was installed around the well screen to extend approximately 2 feet above the screened interval.

A 5-foot bentonite seal was placed and hydrated above the sand filter pack up to 3 feet below grade. Each well was completed with a traffic-rated road box set in a 3-foot-diameter concrete apron in accordance with current San Diego County, Department of Environmental Health, Site Assessment and Mitigation (SAM) Manual guidelines.

After the installation of the sand pack, but before the bentonite seal was placed, each well was developed in accordance with SAM guidelines. MW1 and MW2 were surged for approximately 20 minutes with a 3.5-inch diameter surge block. After surging, a clean stainless steel bailer was used to purge approximately 50 gallons from each borehole. Development water was placed in appropriate 55-gallon drums, labeled, and left on-Site pending receipt of analytical results and evaluation of disposal options.

TASK 3 LABORATORY ANALYSIS

Total Petroleum Hydrocarbons (TPH)/Volatile Organic Compounds (VOCs)

Seventeen soil samples from the borings and five soil samples from the trenches were analyzed for extended range total petroleum hydrocarbons (TPH) in accordance with EPA Method 8015B. One soil sample from each boring was analyzed for VOCs in accordance with EPA Method 8260B. Groundwater samples from three borings were analyzed for TPH in accordance with EPA Method 8015B and VOCs in accordance with EPA Method 8260B.

Metals

Twenty-nine soil samples from the borings and 15 soil samples from the trenches were analyzed for total lead in general accordance with EPA Method 6010B. Based upon the lead sample analysis results, one sample from each boring was also analyzed for Title 22 metals in general accordance with EPA Method 6010B.

Soluble Metals

Nine soil samples were analyzed for leachability by the Soluble Threshold Limit Concentrations (STLC), Waste Extraction Test (WET) method. Analytical results ranged from 0.625 milligrams per liter (mg/l) to 162 mg/l. Six samples were analyzed for leachability by the Toxicity Characteristic Leaching Procedure (TCLP) method. Analytical results ranged from <0.5 mg/l to 4.70 mg/l.

4.0 FINDINGS

SITE TOPOGRAPHY

Based on review of the USGS Point Loma 7.5 minute topographic quadrangle (1967, photorevised 1975 with minor revision 1994), the elevation of the Site is approximately 10 to 15 feet above mean sea level. Topography at the Site is generally flat. In the immediate vicinity of the Site, the topography slopes gently down to the west.

SITE GEOLOGY

Based on the geotechnical investigation prepared for the Site[1], the Site is located in the Peninsular Range Geomorphic Province (PRGP) of California. The PRGP is characterized by northwest trending mountain ranges separated by a series of sub-parallel fault zones associated with the San Andreas Fault System. Within the PRGP, the mountain ranges generally consist of Cretaceous igneous rocks of the Peninsular Ranges, Batholith and Jurassic metasediments and metavolcanics, and the topographically lower areas in the coastal region typically consist of marine and terrestrial sedimentary rocks[2] . In the coastal region of San Diego County, Quaternary and late Tertiary age folding and tilting has occurred in areas adjacent to the active Rose Canyon fault zone and a few randomly oriented and scattered small scale faults exist throughout the region (Kennedy and Peterson, 1975; Treiman, 1993; Kennedy and Tan, 1995). The site is located within the coastal region.

Soil encountered within the geotechnical field evaluation consisted of fill, backfill, Terrace Deposits and Bay Point Formation (Kennedy, 1975), now renamed as old paralic soils (Qop6) (Kennedy and Tan, 2008). For the purposes of this report the old paralic soils will be called Bay Point Formation. The units are discussed in detail below.

- Fill - Fill soils were encountered in the majority of the borings and ranged in depth from the surface to about 8 feet. The geotechnical investigation report by Murbach Geotech stated fill soil extended as deep as 15 feet bgs in portions of the Site. This material is comprised of dark brown, slightly moist, loose to medium dense, silty fine to coarse sand.

- Backfill - Fill soils associated with what appears to be a backfill area after a structure was possibly removed. This backfill was encountered at the southwest corner of the Site in the area of Boring B-3. This earth material is comprised of dark gray sands with gravels to a depth of about 15 feet bgs.

- Terrace Deposits – These soils were encountered below the fill in the majority of the borings and ranged in depth from about 5 feet to 14 to 16 feet bgs, above the contact with the underlying Bay Point Formation. This material is comprised of brown to orange

1 *Preliminary Geotechnical Investigation, Proposed Airborne America Building, 1401 Imperial Avenue, San Diego, California*, prepared by Murbach Geotech, dated July 18, 2014

2 *Geology of the San Diego Metropolitan Area, California, Point Loma Quadrangle, San Diego County, California* by Michael P. Kennedy and Siang S. Tan, 1975, California Division of Mines and Geology.

brown, slightly moist, medium dense to dense, sands and gravels. A radiocarbon date from a collected piece of charcoal at the top of a gravel unit within this deposit places the gravels as being older that about 3,400 years before present (Murbach Geotech, 2014).

- Bay Point Formation (Old paralic soils, Qa06) - Sediments associated with the Bay Point Formation were encountered underlying the Terrace Deposits. The Bay Point sediments encountered generally consisted dense to very dense, moist to saturated, silty to clayey sands, with some clean sands and gravels.

Soil encountered during the Phase II activities conducted at the Site were consistent with the geotechnical findings. Trench logs and boring logs prepared for the Site are included in Appendix C and D, respectively.

SITE HYDROGEOLOGY

The Site is interpreted to be located in the Chollas Hydrologic Subarea (908.22) within the San Diego Mesa Hydrologic Area of the Pueblo San Diego Hydrologic Unit. According to the Regional Water Quality Control Board (RWQCB), groundwater within this hydrologic subarea has been designated as having no potential or existing beneficial uses for municipal, agricultural, and industrial purposes. In addition, this subarea is exempted by the RWQCB from municipal use designation under the terms and conditions of State Board Resolution No 88-63, Sources of Drinking Water Policy. The hydrologic areas and water use designations were presented in the RWQCB's "Comprehensive Water Quality Plan" originally adopted in 1974. Amendments to the "Comprehensive Water Quality Plan," adopted in May 1998 by the RWQCB, were reviewed and used in the preparation of this Report. Regionally, groundwater in the Site vicinity is anticipated to generally flow to the southwest, toward the San Diego Bay.

The depth to groundwater encountered at the Site during Phase II activities was approximately 10.3 to 11.5 feet below grade in wells MW-1 and MW-2, respectively.

LABORATORY ANALYTICAL RESULTS

Soil Sample Analytical Results for Trenches

Soil sample analytical results for the trenches are presented in Tables 1 and 2 and Figures 3 through 7. Copies of the laboratory analytical reports are included in Appendix E.

Total Lead

A total of 15 soil samples were analyzed for total lead by EPA Method 6010B. Lead was reported in all samples at concentrations ranging from 0.694 milligrams per kilogram (mg/kg) (T4-6.5) to 2,300 mg/kg (T2-2).

Soluble Lead

Based on the results for total lead, three samples (T1-6", T2-2', and T4-2') were selected for TCLP analysis by EPA Method 6010B and four samples (T1-6", T2-2', T4-2', and T4-3') were

selected for STLC analysis by EPA Method 6010B. TCLP lead was detected above the laboratory reporting limit in all three samples analyzed and concentrations ranged from 0.936 mg/l (T1-6") to 1.42 mg/l (T2-2'). STLC lead was detected above the laboratory reporting limit in all four samples analyzed and concentrations ranged from 4.19 mg/l (T4-3') to 162 mg/l (T2-2'). TCLP and STLC lead results are summarized in Table 2.

TPH

A total of five soil samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), diesel fuel (TPHd), and oil (TPHo) by EPA 8015B Modified. TPHo was reported at a concentration of 191 mg/kg in the sample collected from T1 at a depth of 0.5 feet bgs. TPHo was not detected above the laboratory reporting limit in any of the other four samples analyzed. Detectable concentrations of TPHg and TPHd were not reported above the laboratory reporting limits in any of the soil samples analyzed.

Soil Sample Analytical Results for Soil Borings

Soil sample analytical results for the soil borings are presented in Tables 2 through 5 and Figures 3 through 7. A copy of the laboratory analytical report is included in Appendix E.

TPH

A total of 17 soil samples were analyzed for TPHg, TPHd, and TPHo by EPA 8015B Modified. TPHg was reported in only one sample (EB4-10') at a concentration of 285 mg/kg. TPHd was reported above the laboratory limit in EB4-10' and MW-1-1' at concentrations of 4,090 mg/kg and 20.2 mg/kg, respectively. TPHo was reported in five samples at concentrations ranging from 191 mg/kg (MW-1-15') and 2,440 mg/kg (EB4-10').

Total Lead

A total of 29 soil samples were analyzed for total lead by EPA Method 6010B. Lead was reported in all samples at concentrations ranging from 1.12 mg/kg (EB3-10') to 683 mg/kg (EB2-1').

Soluble Lead

Based on the results for total lead, three samples (EB2-1', EB4-10', and MW2-5') were selected for TCLP analysis by EPA Method 6010B and five samples (EB2-1', EB3-1', EB4-10', MW1-15', and MW2-5') were selected for STLC analysis by EPA Method 6010B. TCLP lead was detected above the laboratory reporting limit in one sample (EB2-1') at a concentration of 4.70 mg/l. STLC lead was reported above the laboratory reporting limit in all of the samples analyzed at concentrations ranging from 0.625 mg/l (EB4-10') to 31.2 mg/l (EB2-1').

Title 22 Metals

Based upon the lead sample analysis results, the sample from each boring with the highest total lead concentration was additionally analyzed for Title 22 metals in general accordance with EPA Method 6010B. Antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, mercury,

molybdenum, nickel, vanadium, and zinc were detected in some or all of the samples analyzed (Table 4).

VOCs

The sample collected from nearest the field-interpreted water table from each of the deeper borings (EB4-10', MW-1-15', and MW-2-10') was analyzed for VOCs by EPA Method 8260B (Table 5).

Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)

Ethylbenzene and xylenes were reported in EB4-10' at concentrations of 101 micrograms per kilogram (µg/kg) and 639 µg/kg, respectively. Ethylbenzene and xylenes were not reported above the laboratory reporting limit in either of the two remaining soil samples analyzed. Benzene and toluene were not reported above the laboratory reporting limit in any of the soil samples analyzed.

Tetrachloroethene (PCE)

PCE was reported in MW-1-15' at a concentration of 39.4 µg/kg. PCE was not reported above the laboratory reporting limit in either of the remaining soil samples analyzed.

Other VOCs

The following VOCs were reported in EB4-10': n-butylbenzene at a concentration of 930 µg/kg, sec-butylbenzene at a concentration of 1,390 µg/kg, isopropylbenzene at a concentration of 1,270 µg/kg, n-propylbenzene at a concentration of 2,580 µg/kg, and 1,2,4-trimethylbenzene at a concentration of 125 µg/kg. No other VOCs were reported above their respective laboratory reporting limits in any of the soil samples analyzed.

Groundwater

The results of three groundwater samples collected from boring EB4 and monitoring wells MW1 and MW2 on October 15 through 17, 2014, are presented (Table 6; Figure 8). A copy of the laboratory report is presented in Appendix E. The groundwater sample analytical data have been uploaded to in electronic delivery format to Geotracker in general accordance with AB2886.

TPH

TPHg was reported at a concentration of 0.363 mg/l in the groundwater sample collected from EB4. No detectable concentrations of TPHg were reported in either of the remaining wells.

TPHd was not reported above the laboratory reporting limit in any of the groundwater samples collected.

TPHo was reported in the groundwater samples collected from MW-1 and MW-2 at concentrations of 5.53 mg/l and 92.6 mg/l, respectively. TPHo was not reported above the laboratory reporting limit in the sample collected from EB4.

VOCs

BTEX

Ethylbenzene and xylenes were reported in groundwater sample collected from EB4 at concentrations of 1.16 µg/l and 8.00 µg/l, respectively. Ethylbenzene and xylenes were not reported above the laboratory reporting limit in either of the two remaining groundwater samples analyzed. Benzene and toluene were not reported above the laboratory reporting limit in any of the groundwater samples analyzed.

Tetrachloroethene (PCE)

PCE was reported in all three groundwater samples collected at a concentrations ranging from 9.73 µg/l (MW-2) to 99.0 µg/l (MW-1).

Trichloroethene (TCE)

TCE was reported in all three groundwater samples collected at a concentrations ranging from 2.20 µg/l (MW-2) to 24.5 µg/l (MW-1).

cis-1,2-Dichloroethene (cis-1,2-DCE)

cis-1,2-DCE was reported in the groundwater samples collected from EB4 and MW-1 at concentrations of 3.49 µg/l and 9.25 µg/l, respectively. cis-1,2-DCE was not reported above the laboratory reporting limit in the groundwater sample collected from MW-2.

Other VOCs

The following VOCs were reported in the groundwater sample collected from EB4: n-butylbenzene at a concentration of 1.62 µg/l, sec-butylbenzene at a concentration of 4.02 µg/l, and n-propylbenzene at a concentration of 10.5 µg/l.

The following VOCs were reported in the groundwater sample collected from MW-1: 1,1-dichloroethane at a concentration of 1.96 µg/l, and 1,1-dichloroethene at a concentration of 2.76 µg/l.

Chloroform was reported at a concentration of 1.95 µg/l in the groundwater sample collected from MW-2.

No other VOCs were detected above their respective laboratory reporting limits in any of the groundwater samples analyzed.

5.0 DISCUSSION

IMPACTS TO SOIL AND GROUNDWATER

Based on the analytical results from this assessment, shallow soil at the Site is impacted with elevated concentrations of metals. Based on the reported results for lead, elevated lead concentrations (above 15 mg/kg), while generally limited to the upper 5 feet or less, were noted at depths up to 20 feet bgs in some portions of the Site.

In addition, soil and groundwater at the Site are impacted with petroleum hydrocarbons and chlorinated hydrocarbons. If soil is to be exported from the Site, the soil is likely to be a regulated waste and should be properly characterized for off-Site disposal based on the requirements of the receiving facility. In addition, precautions should be taken during grading and construction to minimize worker exposure to impacted soil and to control dust and minimize the likelihood of soil leaving the Site. Further regarding groundwater, if dewatering is required, SCS recommends assessing whether water treatment and associated permits would be necessary if discharging to the sanitary sewer or storm drain system.

TYPICAL BACKGROUND LEVELS OF METALS

Detectable concentrations of metals are typically present in soil. The concern arises when concentrations of toxic metals have been released to the soil as a result of human activity and whether these elevated concentrations pose a risk to human health or the environment. Since the metals detected at the Site are commonly encountered in soils of the western United States it is necessary to compare the results to typical natural background concentrations. A report from the Kearney Foundation[3] presented the background metal concentrations in soil samples collected from California. In addition, in an abstract presented by DTSC staff at the 2008 Society of Toxicology Annual Meeting[4], it was reported that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg. These sources were combined to present a summary of typical background concentrations of metals in California which are presented in the table below along with the highest reported concentration of each of the metals analyzed.

Comparison of the Highest Metals Concentrations to Background Concentrations

Metal	Highest Reported Concentration (mg/kg)	Published Background Concentrations (mg/kg)
Antimony	**17.4**	**0.15 to 1.95**
Arsenic	6.65	0.6 to 12

3 *Background Concentrations of Trace and Major Elements in California Soils*, by G. R. Bradford, *et al.*, Kearney Foundation of Soil Science Division of Agriculture and Natural Resources University of California, March 1996.

4 *Determination of a Southern California Regional Background Arsenic Concentration in Soil*, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting.

Metal	Highest Reported Concentration (mg/kg)	Published Background Concentrations (mg/kg)
Barium	202	133 to 1,400
Beryllium	< 0.5	0.25 to 2.7
Cadmium	**9.41**	**0.05 to 1.7**
Chromium	442	23 to 1,579
Cobalt	5.57	2.7 to 46.9
Copper	**173**	**9.1 to 96.4**
Lead	**683**	**14.3 to 107.9**
Mercury	0.326	0.10 to 0.90
Molybdenum	**97.1**	**0.1 to 9.6**
Nickel	52	9 to 509
Selenium	< 0.5	0.015 to 0.43
Silver	< 0.5	0.1 to 8.3
Thallium	< 0.5	0.17 to 1.10
Vanadium	27.1	39 to 288
Zinc	**11,100**	**88 to 236**

Notes:
mg/kg = milligrams per kilogram
Bold text indicates a metal with a highest reported concentration above the published background concentrations.
<0.5 = Not detected at or above the specified laboratory method detection limit

As indicated in the table above, antimony, cadmium, copper, lead, molybdenum, and zinc exceed typical background concentrations. Based on these data, the soil that exceeds published background concentrations is likely to be considered a regulated waste if exported from the Site.

WASTE CHARACTERIZATION

Hazardous Waste

For typical dry samples, the total concentration of a CoC in soil is compared with the Total Threshold Limit Concentration (TTLC) for that CoC. If the concentration exceeds the TTLC, the soil would be characterized as a California-Hazardous waste for export purposes.

Additionally, to address potential leaching of CoC-bearing waste intended for landfill disposal, CoC concentrations are compared to the STLC. If the total CoC concentration (i.e., total lead concentration) in soil exceeds the STLC by 10 times, the WET is performed to create a liquid extract that is analyzed for the CoC. If the concentration of the CoC from the WET exceeds the respective STLC, the soil would be characterized as a California-Hazardous waste for export purposes.

For federal regulations, if the total concentration of a CoC in the soil equals or exceeds the Maximum Contaminant Concentration for the Toxicity Characteristic (MCCTC) value by 20 times, a liquid extract of the soil sample is generated by the TCLP and the extract is then analyzed for the CoC. The MCCTC/TCLP determination is similar to the STLC/WET, but with a factor of 20. If the result of the analysis of the TCLP extract exceeds the MCCTC, then the soil would be characterized as a RCRA-Hazardous waste.

A discussion of soil samples that exceed the STLC and/or MCCTC is presented in the Waste Characterization – Lead section below.

Regulated Waste

The RWQCB has set CoC concentration levels for wastes that are below hazardous waste concentrations but above typical background concentrations. Soil that contains CoCs that exceed the RWQCB Tier 1 SSLs due to an anthropogenic source is considered a regulated waste and cannot be transported to an unregulated site as would be done for clean soil. Additional soil sampling and analysis would be required to further delineate the horizontal and lateral limits of soil containing concentrations exceeding the RWQCB Tier 1 SSLs, as this soil would be characterized as a regulated waste and would require special handling if transported off-Site.

A discussion of soil samples that exceed the SSLs is presented below, combined with a discussion of any hazardous waste exceedances.

Waste Characterization: Lead

Lead was above its TTLC (1,000 mg/kg) in two samples analyzed: T2-1 and T2-2. These samples characterize soil that would be classified as a California-hazardous waste for export purposes.

Nine soil samples analyzed for total lead concentration which exceeded the 10 times STLC (50 mg/kg) screening value were selected for WET analysis. Five of the nine samples analyzed for soluble lead via the WET were reported to have soluble lead concentrations exceeding the STLC of 5 mg/l that designates soil to be classified as a California-hazardous waste.

Six soil samples analyzed for total lead concentration which exceeded the 20 times MCCTC (100 mg/kg) screening value were selected for TCLP analysis. None of the six samples analyzed for soluble lead via the WET were reported to have soluble lead concentrations exceeding the MCCTC of 5 mg/l that designates soil to be classified as a RCRA-hazardous waste.

Therefore, at least certain portions of soil exported from the Site will be classified as a California-hazardous waste upon excavation for off-Site export. Note, additional samples and statistical analysis would be necessary to further assess/clarify waste characterizations.

Lead was above the Tier 1 SSL of 15 mg/kg in 22 of the 44 samples analyzed. Therefore, soil represented by these exceedances to the Tier 1 SSL would be classified as a regulated non-hazardous waste.

Waste Characterization: Other Metals

WET tests or TCLP tests were not conducted for the above listed metals other than lead. However, WET and/or TCLP tests for soluble lead were conducted on the above listed samples, and lead is usually a reliable indicator of other metals.

Waste Characterization: TPH, VOCs, and PCBs

TPH, VOCs, and PCBs do not have applicable TTLCs, STLCs, or MCCTCs for waste characterization; however, SSLs indicated that detectable levels of these constituents deem the soil a regulated waste. Therefore, any soil excavated that is reported with concentrations of TPH, VOCs, or PCBs above laboratory reporting limits needs to be handled as a regulated, non-hazardous waste when intended for landfill disposal. Soil samples T2D-5 (127 mg/kg TPHo) and B6-5 (620 mg/kg TPHo) were the only soil samples with detectable concentrations of TPH. No soil samples were reported with detectable concentrations of VOCs or PCBs.

Regulated Waste Additional Discussion

The presence of CoC-bearing soils may result in certain disclosure requirements, and mitigation efforts may require appropriate regulatory agency oversight. Qualified legal counsel should be contacted to discuss disclosure or reporting obligations, if any.

In SCS' experience, soils containing elevated concentrations of metals (i.e., more than naturally occurring or background concentrations) and other CoCs that are expected to be transported from the Site will need to be disposed of as a "waste" at an appropriate disposal facility. For example, local landfills can accept many types of waste (e.g., soils with non-hazardous concentrations of metals) under their permits (called waste discharge requirements). Depending on the concentration of metals and as discussed above, a waste may even be hazardous, as defined and classified by the California Code of Regulations.

When excavation and soil export is planned, normal channels of "dirt brokering" and their associated low cost may not be readily available if soil contains elevated concentrations of metals and/or CoCs. One strategy that has been successful with a number of redevelopment sites is the development of a Site-specific soil management plan. This plan specifically accounts for Site development activities and integrates environmental issues into the Site development process. For example, a typical plan condition is the future monitoring of soil grading/removal and the appropriate handling, characterization, and disposal of soil that is likely to be considered a non-hazardous regulated waste and/or a hazardous waste. Based on SCS' experience, it is often far more cost-effective to deal with environmental issues at the time of Site redevelopment. Based on SCS' experience, if elevated metals and CoC concentrations are present in the shallow soil beneath the Site, the likelihood of an enforced remediation is low as long as the soil remains undisturbed. Soil with elevated metals and CoC concentrations would typically be considered a waste management issue only if disturbed, and any such disturbed materials must be handled in accordance with appropriate laws and regulations as a non-hazardous regulated or hazardous waste.

6.0 CONCLUSIONS

Based on the data collected during this investigation, including but not limited to laboratory results, field observations and data evaluation by a professional geologist, and current regulatory guidelines, the following conclusions are made:

- Shallow soil at the Site is impacted with elevated concentrations of metals.

- Soil and groundwater at the Site are impacted with petroleum hydrocarbons and chlorinated hydrocarbons.

- Certain soil excavated from the Site is likely to be either regulated non-hazardous waste or California hazardous waste that would require disposal at an appropriately licensed facility.

7.0 RECOMMENDATIONS

Based on the data obtained during this Assessment and our conclusions, we recommend the following:

- Precautions should be taken during grading and construction to minimize worker exposure to impacted soil and to control dust and minimize the likelihood of soil leaving the Site.

- If soil is to be exported from the Site, the soil is likely to be a regulated waste and should be properly characterized for off-Site disposal based on the requirements of the receiving facility.

- If dewatering is proposed, to take place, SCS recommends assessing whether water treatment and associated permits would be necessary if discharging to the sanitary sewer or storm drain system.

8.0 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and the parties designated by SCS. Use of this Report is subject to the provisions of the fully executed Contract between the Client and SCS. Any third party usage of this Report shall be subject to the provisions of the Contract, and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to be relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II environmental assessments in San Diego County is consulted to assess the necessity of updating this Report.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons that include, but are not limited to: 1) inadequate or inaccurate information rightfully provided to SCS by third parties, such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

9.0 LIKELIHOOD STATEMENTS

Statements of "likelihood" have been made in this report. Likelihood statements are based on professional judgments of SCS. The term "likelihood," as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a "degree of belief" for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term "low likelihood" is used by SCS to approximate a range of 10 to 20 percent; the term "moderate likelihood" refers to an approximate range of 40 to 60 percent; and the term "high likelihood" refers to an approximate range of 80 to 90 percent.

TABLES

Table 1
Soil Sample Analytical Results - Trenches
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Sample ID	Depth (feet)	Date Collected	TPHg	TPHd	TPHo	Total Lead
			mg/kg			
T1-6"	0.5	10/15/2014	< 0.500	< 10.0	**191**	**949**
T1-1	1	10/15/2014	< 0.5	< 10	< 50	**27.4**
T1-2	2	10/15/2014	< 0.5	< 10	< 50	**1.72**
T1-5	5	10/15/2014	< 0.5	< 10	< 50	**0.848**
T1-7	7	10/15/2014	< 0.5	< 10	< 50	**1.59**
T2-1	1	10/15/2014	--	--	--	**1,110**
T2-2	2	10/15/2014	--	--	--	**2,300**
T2-5	5	10/15/2014	--	--	--	**1.22**
T2-8	8	10/15/2014	--	--	--	**25.1**
T4-1	2	10/15/2014	--	--	--	**439**
T4-2	5	10/15/2014	--	--	--	**568**
T4-3	10	10/15/2015	--	--	--	**98.0**
T4-5	1	10/17/2014	--	--	--	**5.98**
T4-6.5	2	10/17/2014	--	--	--	**0.694**
T4-8	5	10/17/2014	--	--	--	**0.941**

Notes:

Soil samples, with depth in feet below grade, collected by SCS Engineers on October 15 through 17 and analyzed fo total petroluem hydrocarbons as gasoline (TPHg), diesel (TPHd), and oil (TPHo) by EPA Method 8015B, and total lead by EPA Method 6010B. All results reported in milligrams per kilogram (mg/kg).

< indicates that the constituent was not reported above the laboratory reporting limit.

Bold numbers indicate sample results above the laboratory reporting limit.

-- indicates that the sample was not analyzed for the particular constituent.

Table 2
Soil Sample Analytical Results for Soluble Lead
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Sample ID	Depth (feet)	Date Collected	Soluble Lead	
			TCLP Lead	STLC (WET) Lead
			mg/L	
T1-6"	0.5	10/15/2014	**0.936**	**47.5**
T2-2'	2	10/15/2014	**1.42**	**162**
T4-2'	2	10/16/2014	**0.951**	**55.5**
T4-3'	3	10/16/2014	--	**4.19**
EB2-1'	1	10/15/2014	**4.70**	**31.2**
EB3-1'	1	10/15/2014	--	**6.04**
EB4-10'	10	10/17/2014	< 0.5	**0.625**
MW1-15'	15	10/16/2014	--	**4.44**
MW2-5'	5	10/15/2014	< 0.5	**3.32**

Notes:

Soil samples, with depth in feet below grade, collected by SCS on October 15 to 17, 2014, and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) for lead by EPA Method 6010B, and Soluble Threshold Limit Concentration (STLC) for lead by EPA Method 6010B, based on total lead concentrations.

Results reported in milligrams per liter (mg/L).

-- = not analyzed for the particular analyte

< = Not detected above the laboratory reporting limit indicated.

Bold font indicates concentrations above the laboratory reporting limit.

Table 3
Soil Sample Analytical Results - Borings
Airborne America. Inc.
1401 Imperial Avenue
San Diego, California

Sample ID	Depth (feet)	Date Collected	TPHg	TPHd	TPHo	Total Lead
			mg/kg			
EB1-1'	1	10/15/2014	--	--	--	**293**
EB1-2'	2	10/15/2014	--	--	--	**141**
EB1-5'	5	10/15/2014	--	--	--	**1.37**
EB1-10'	10	10/15/2014	--	--	--	**15.0**
EB2-1'	1	10/15/2014	--	--	--	**683**
EB2-2'	2	10/15/2014	--	--	--	**1.49**
EB2-5'	5	10/15/2014	--	--	--	**1.34**
EB2-10'	10	10/15/2014	--	--	--	**2.72**
EB3-1'	1	10/15/2014	--	--	--	**21.8**
EB3-2'	2	10/15/2014	--	--	--	**1.52**
EB3-5'	5	10/15/2014	--	--	--	**3.41**
EB3-10'	10	10/15/2015	--	--	--	**1.12**
EB4-1'	1	10/17/2014	< 0.5	< 10	< 50	**1.81**
EB4-2'	2	10/17/2014	< 0.5	< 10	< 50	**1.16**
EB4-5'	5	10/17/2014	< 0.5	< 10	**504**	**35.9**
EB4-10'	10	10/17/2014	**285**	**4,090**	**2,440**	**114**
EB4a-15'	15	10/17/2014	< 0.5	< 10	< 50	**7.77**
EB4-20'	20	10/17/2014	< 0.5	< 10	< 50	**1.31**
MW-1-1'	1	10/16/2014	< 0.5	< 10	**798**	**268**
MW-1-2'	2	10/16/2014	< 0.5	< 10	**1,530**	**43.3**
MW-1-5'	5	10/16/2014	< 0.5	< 10	< 50	**2.23**
MW-1-15'	15	10/16/2014	< 0.5	**20.2**	**191**	**68.6**
MW-1-20'	20	10/16/2014	< 0.5	< 10	< 50	**29.7**
MW-2-1'	20	10/15/2014	< 0.500	< 10.0	< 50.0	**44.4**
MW-2-2'	15	10/15/2014	< 0.5	< 10	< 50	**55.7**
MW-2-5'	20	10/15/2014	< 0.5	< 10	< 50	**560**
MW-2-10'	25	10/15/2014	< 0.5	< 10	< 50	**1.91**
MW-2-15'	30	10/15/2014	< 0.5	< 10	< 50	**2.08**
MW-2-20'	35	10/15/2014	< 0.5	< 10	< 50	**1.89**

Notes:

Soil samples, with depth in feet below grade, collected by SCS Engineers on October 15 to 17, 2014, and analyzed for total petroluem hydrocarbons as gasoline (TPHg), diesel (TPHd), and oil (TPHo) by EPA Method 8015B, and total lead by EPA Method 6010B. One sample from each boring was additionally analyzed for Title 22 Metals by EPA Method 6010B (Table 3). All results reported in milligrams per kilogram (mg/kg).

< indicates that the constituent was not reported above the laboratory reporting limit.

Bold numbers indicate sample results above the laboratory reporting limit.

Table 4
Soil Sample Analytical Results for Title 22 Metals
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Sample ID	Depth (feet)	Date Collected	Title 22 Metals															
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg																
EB1-1'	1	10/15/2014	< 0.500	**4.35**	**112**	< 0.500	**1.28**	**24.3**	**4.00**	**21.2**	**293**	< 0.0500	**1.73**	**10.5**	< 0.500	< 0.500	< 0.500	**19.9**	**144.0**
EB2-1'	1	10/15/2014	**17.4**	**6.65**	**202**	< 0.5	**9.41**	**13.4**	**5.57**	**173**	**683**	**0.326**	**0.849**	**14.6**	< 0.5	< 0.5	< 0.5	**27.1**	**11,100**
EB3-1'	1	10/15/2014	< 0.5	**0.486**	**51.5**	< 0.5	**2.12**	**10.0**	**2.21**	**29.5**	**21.8**	< 0.05	**2.22**	**4.56**	< 0.5	< 0.5	< 0.5	**13.6**	**66.6**
EB4-10'	10	10/17/2014	**0.538**	**4.15**	**20.3**	< 0.5	**4.74**	**442**	**4.72**	**82.8**	**114**	**0.131**	**97.5**	**52.0**	< 0.5	< 0.5	< 0.5	**25.0**	**13.2**
MW-1-1'	1	10/16/2014	**2.70**	**1.84**	**114**	< 0.5	**2.93**	**14.4**	**3.77**	**100**	**268**	< 0.05	**1.23**	**16.7**	< 0.5	< 0.5	< 0.5	**23.4**	**680.0**
MW-2-5'	5	10/15/2014	< 0.5	**0.973**	**39.2**	< 0.5	**0.850**	**5.13**	**2.32**	**13.9**	**560**	< 0.05	< 0.5	**3.80**	< 0.5	< 0.5	< 0.5	**15.5**	**250.0**
		Tier 1 SSLs	5.0	3.5	509	4.0	1.7	50	20	60	15	0.26	2.0	57	0.21	2.0	1.0	50	149
		TTLCs	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000

Notes:
Soil samples, with depth in feet below grade, collected by SCS Engineers on October 15 through 17, 2014, and analyzed for Title 22 Metals by EPA Method 6010B. Results reported in milligrams per kilogram (mg/kg).
< indicates that the constituent was not reported above the laboratory reporting limit for the relevant analytical method.
Bold numbers indicate sample results above the laboratory reporting limit.
Tier 1 SSLs: Tier 1 Soil Screening Level for inert waste soils that can be reused without restriction
TTLC: Total Threshold Limit Concentration

Table 5
Soil Sample Analytical Results for VOCs
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Sample ID	Depth (feet)	Date Collected	Ethylbenzene	Xylenes	Tetrachloroethene (PCE)	n-Butlybenzene	sec-butylbenzene	Isopropylbenzene	n-propylbenzene	1,2,4-Trimethylbenzene	Other VOCs
			µg/kg								
EB4-10'	10	10/17/2014	**101**	**639**	< 100	**930**	**1,390**	**1,270**	**2,580**	**125**	ND
MW-1-15'	15	10/16/2014	< 2	< 6	**39.4**	< 10	< 10	< 10	< 10	< 10	ND
MW-2-10'	10	10/15/2014	< 2.00	< 6.00	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	ND

Notes:

Soil samples, with depth in feet below grade, were collected by SCS Engineers on October 15 through 17, and analyzed for volatile organic compounds (VOCs) by EPA Method 8260. Results reported in micrograms per kilogram (µg/kg).

< indicates that the constituent was not reported above the laboratory reporting limit for the relevant analytical method.

Bold numbers indicate sample results above the laboratory reporting limit.

Only VOCs with detections above the laboratory reporting limits are reported here, refer to the laboratory analytical report (Appendix C) for a full list of analytes.

ND indicates the group of analytes were not detected above their respective laboratory reporting limits for the analytical method used.

Table 6
Groundwater Analytical Results
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Sample ID	Date Collected	TPHg	TPHd	TPHo	Ethylbenzene	Xylenes	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethane	1,1-Dichloroethene	Cis-1,2-Dichloroethene	n-Butylbenzene	sec-butylbenzene	n-propylbenzene	Chloroform	Other VOCs
		mg/l			µg/l											
EB4-GW	10/17/2014	**0.363**	< 0.5	< 0.5	**1.16**	**8.00**	**32.2**	**9.00**	< 1.00	< 1.00	**3.49**	**1.62**	**4.02**	**10.5**	< 1.00	ND
MW-1-GW	10/16/2014	< 0.05	< 0.5	**5.53**	< 1.00	< 3.00	**99.0**	**24.5**	**1.96**	**2.76**	**9.25**	< 1.00	< 1.00	< 1.00	< 1.00	ND
MW-2-GW	10/15/2014	< 0.0500	< 0.5	**92.6**	< 1	< 3	**9.73**	**2.20**	< 1	< 1	< 1	< 1	< 1	< 1	**1.95**	ND

Notes:

Groundwater samples were collected by SCS Engineers on October 15 through 17, and analyzed for total petroluem hydrocarbons as gasoline (TPHg), diesel (TPHd), and oil (TPHo) by EPA Method 8015B, and volatile organic compounds (VOCs) by EPA Method 8260.

Results for TPH reported in milligrams per liter (mg/L), and results for VOCs reported in micrograms per liter (µg/L).

< indicates that the constituent was not reported above the laboratory reporting limit for the relevant analytical method.

Bold numbers indicate sample results above the laboratory reporting limit.

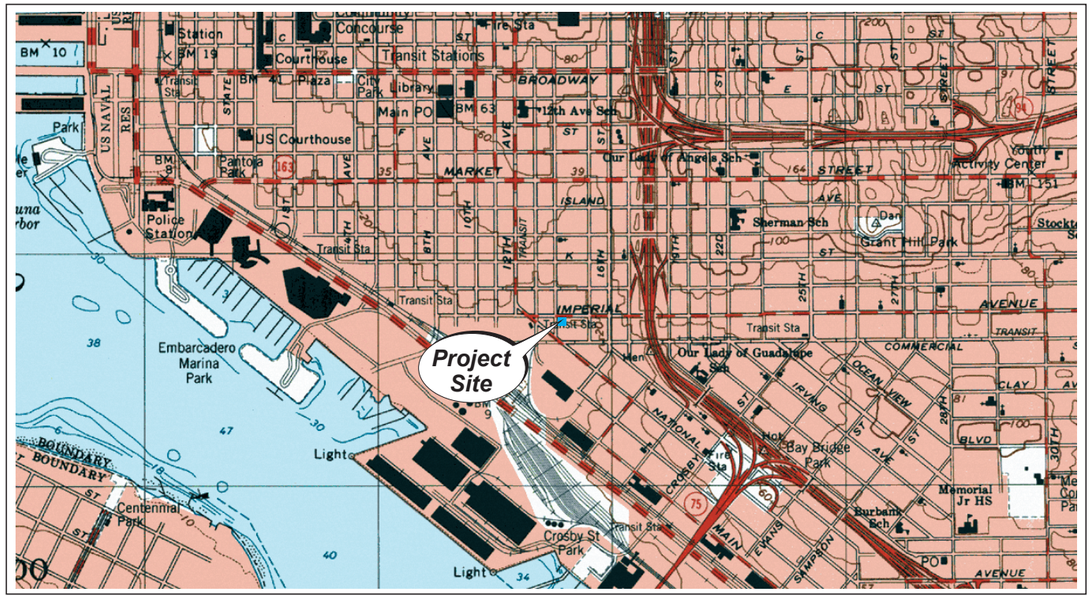
Only VOCs with detections above the laboratory reporting limits are reported here, refer to the laboratory analytical report (Appendix C) for a full list of analytes.

ND indicates the group of analytes were not detected above their respective laboratory reporting limits for the analytical method used.

FIGURES

North (Not to scale)

REGIONAL SITE LOCATION



North

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Point Loma, California - 1996

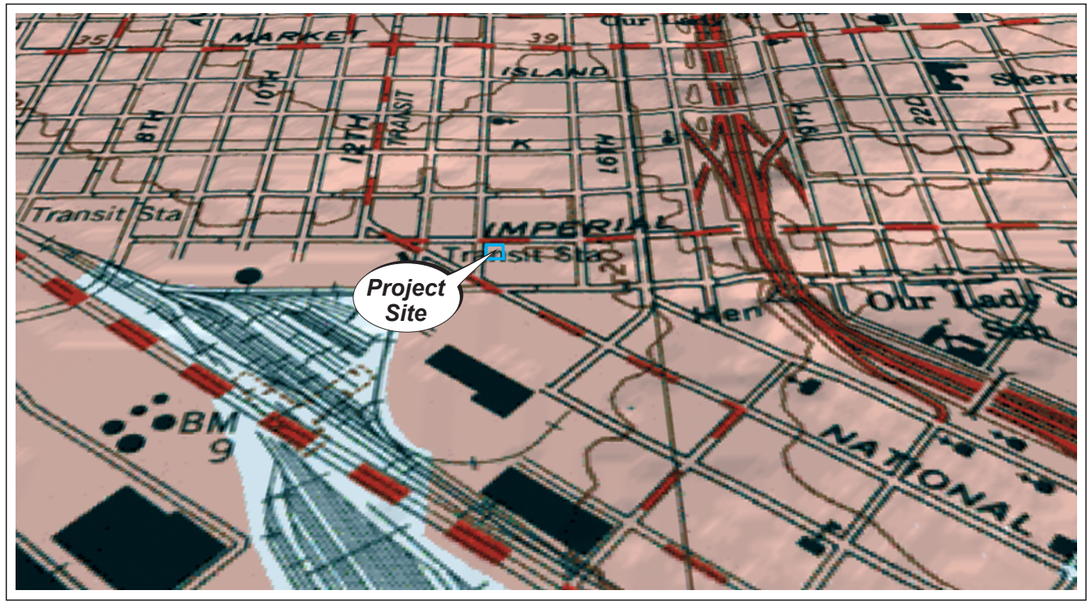
2-DIMENSIONAL SITE LOCATION

0 1,000 2,000 3,000
Approximate Graphic Scale in Feet

North (Not to scale)

Reference:
Google Earth Aerial Photograph
San Diego, California - November 2013

SITE AERIAL PHOTOGRAPH



North (Not to scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Point Loma, California - 1996

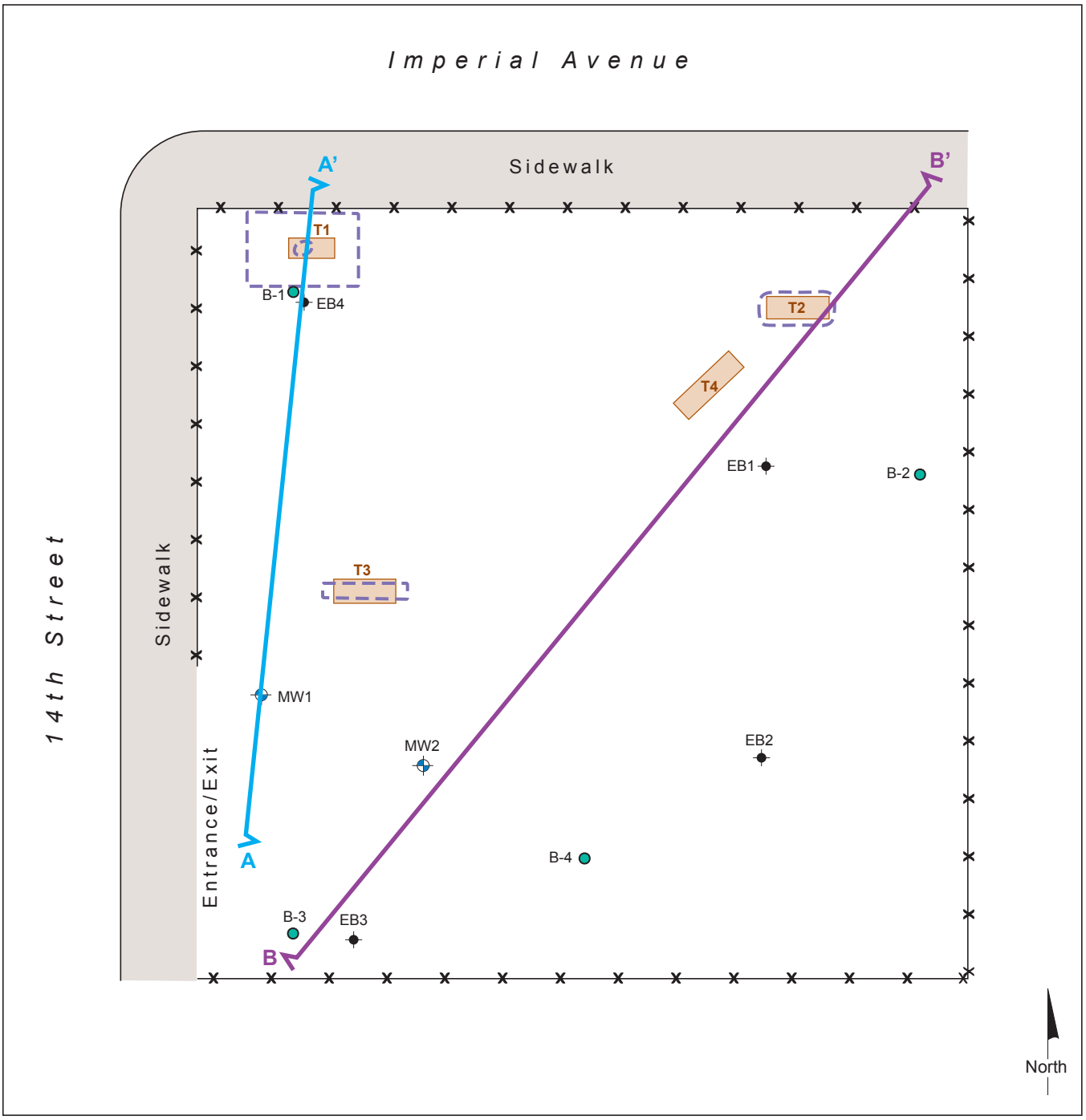
3-DIMENSIONAL SITE LOCATION

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

FOUR-WAY SITE LOCATION MAP
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00
Figure 1
Date Drafted: 10/29/14



EXPLANATION

B-1 — Geotechnical borings by Murbach Geotech

EB4 — Soil borings advanced by SCS Engineers (SCS) on October 15-17, 2014

MW2 — Monitoring wells advanced by SCS on October 15-17, 2014

T1 — Trench location

Geophysical anomaly

Chain-link fence

A A' — Cross-section location

0 10 20 30

Approximate Graphic Scale in Feet
1 inch = 20 feet

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

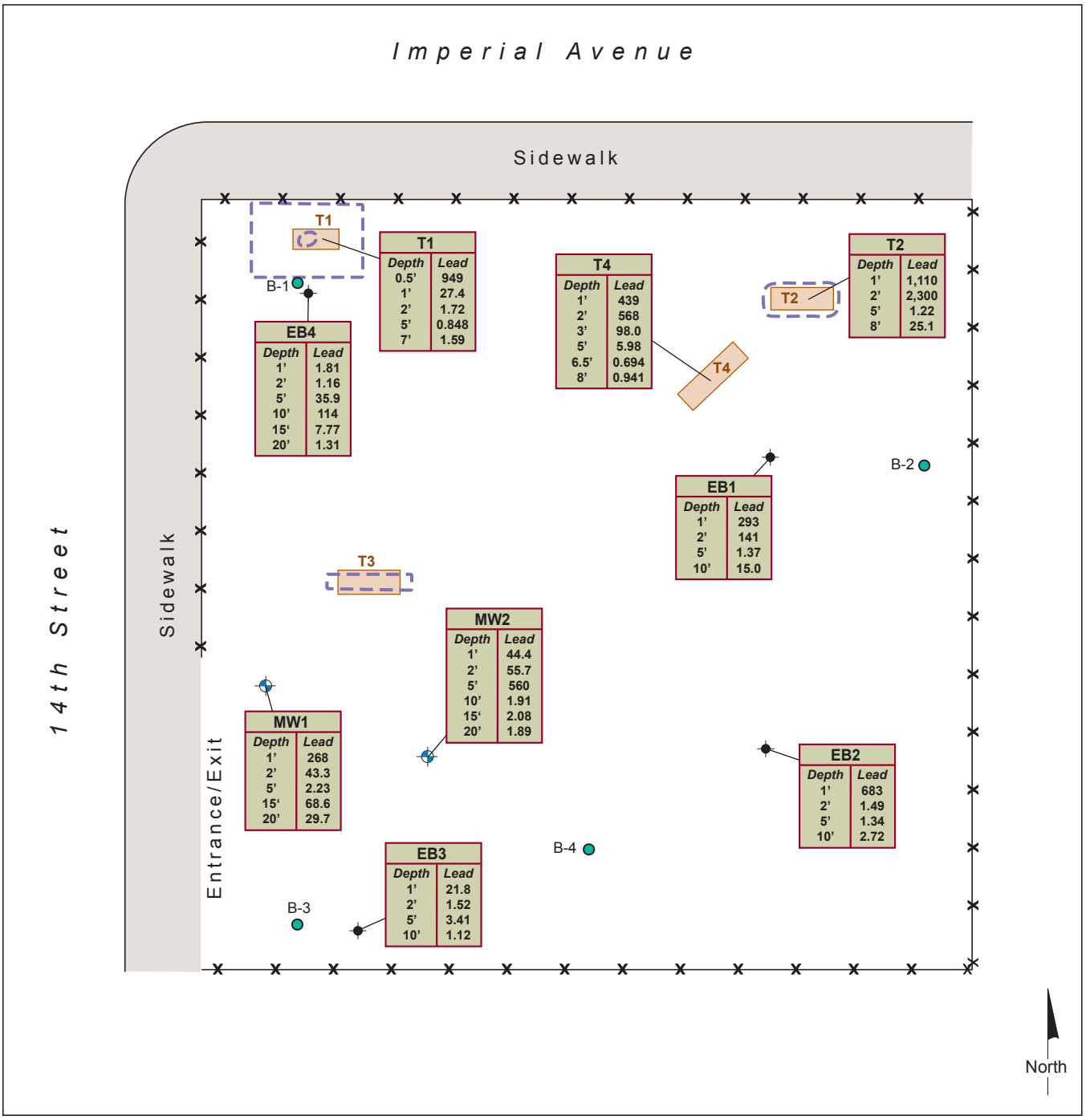
SITE PLAN

Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 2

Date Drafted: 12/9/14



EXPLANATION

B-1 — Geotechnical borings by Murbach Geotech

EB4 — Soil borings advanced by SCS Engineers on October 15-17, 2014

MW2 — Monitoring wells advanced by SCS Engineers on October 15-17, 2014

T1 — Trench location

Geophysical anomaly

Chain-link fence

0 10 20 30

Approximate Graphic Scale in Feet
1 inch = 20 feet

EB2

Depth	Lead
1'	683
2'	1.49
5'	1.34
10'	2.72

Soil samples, with depth in feet below grade, analyzed for total lead by Environmental Protection Agency (EPA) Method 6010B with results reported in milligrams per kilogram (mg/kg).

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

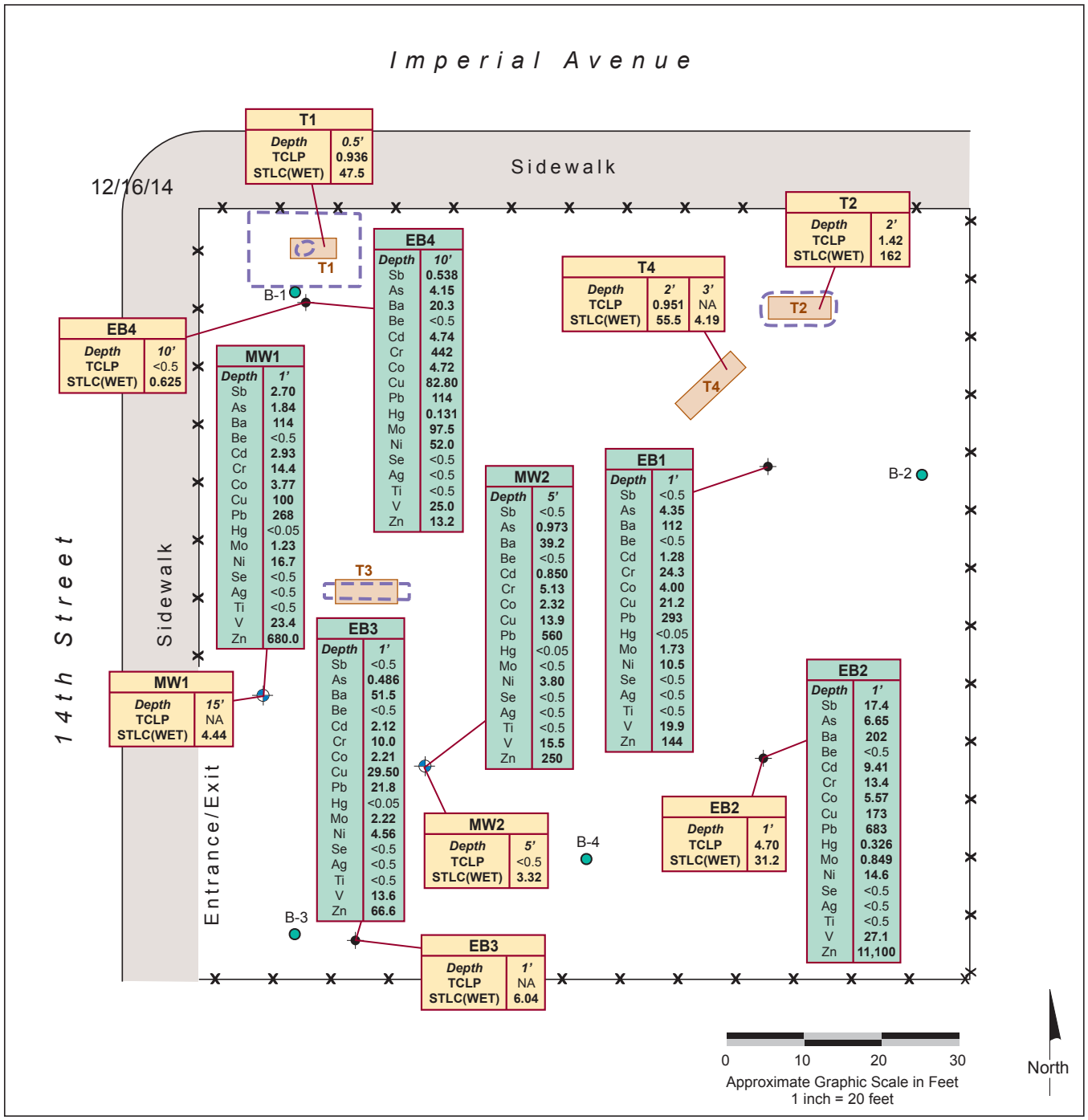
SOIL BORING SAMPLE ANALYTICAL RESULTS FOR LEAD

Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 3

Date Drafted: 10/29/14



EXPLANATION

B-1 Geotechnical borings by Murbach Geotech

EB4 Soil borings advanced by SCS on October 15-17, 2014

MW2 Monitoring wells advanced by SCS on October 15-17, 2014

Chain-link fence

T1 Trench location

Geophysical anomaly

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

MW2	
Depth	5'
Sb	<0.5
As	**0.973**
Ba	**39.2**
Be	<0.5
Cd	0.850
Cr	**5.13**
Co	**2.32**
Cu	**13.9**
Pb	**560**
Hg	<0.05
Mo	<0.5
Ni	**3.80**
Se	<0.5
Ag	<0.5
Ti	<0.5
V	**15.5**
Zn	**250.0**

Soil samples, with depth in feet below grade, collected by SCS Engineers on October 15-17, 2014, and analyzed for Title 22 metals, Toxicity Characteristic Leach Procedure (TCLP) and Soluble Threshold Limit Concentrations (STLC) for lead by EPA Method 6010B. Results for metals reported in milligrams per kilogram (mg/kg). Results for TCLP and STLC reported milligrams per liter (mg/L). **Bold** numbers indicate sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit

EB3	
Depth	1'
TCLP	NA
STLC(WET)	6.04

Sb = Antimony
As = Arsenic
Ba = Barium
Be = Beryllium
Cd = Cadmium
Cr = Chromium
Co = Cobalt
Cu = Copper
Pb = Lead
Hg = Mercury
Mo = Molybdenum
Ni = Nickel
Se = Selenium
Ag = Silver
Tl = Thallium
V = Vanadium
Zn = Zinc

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

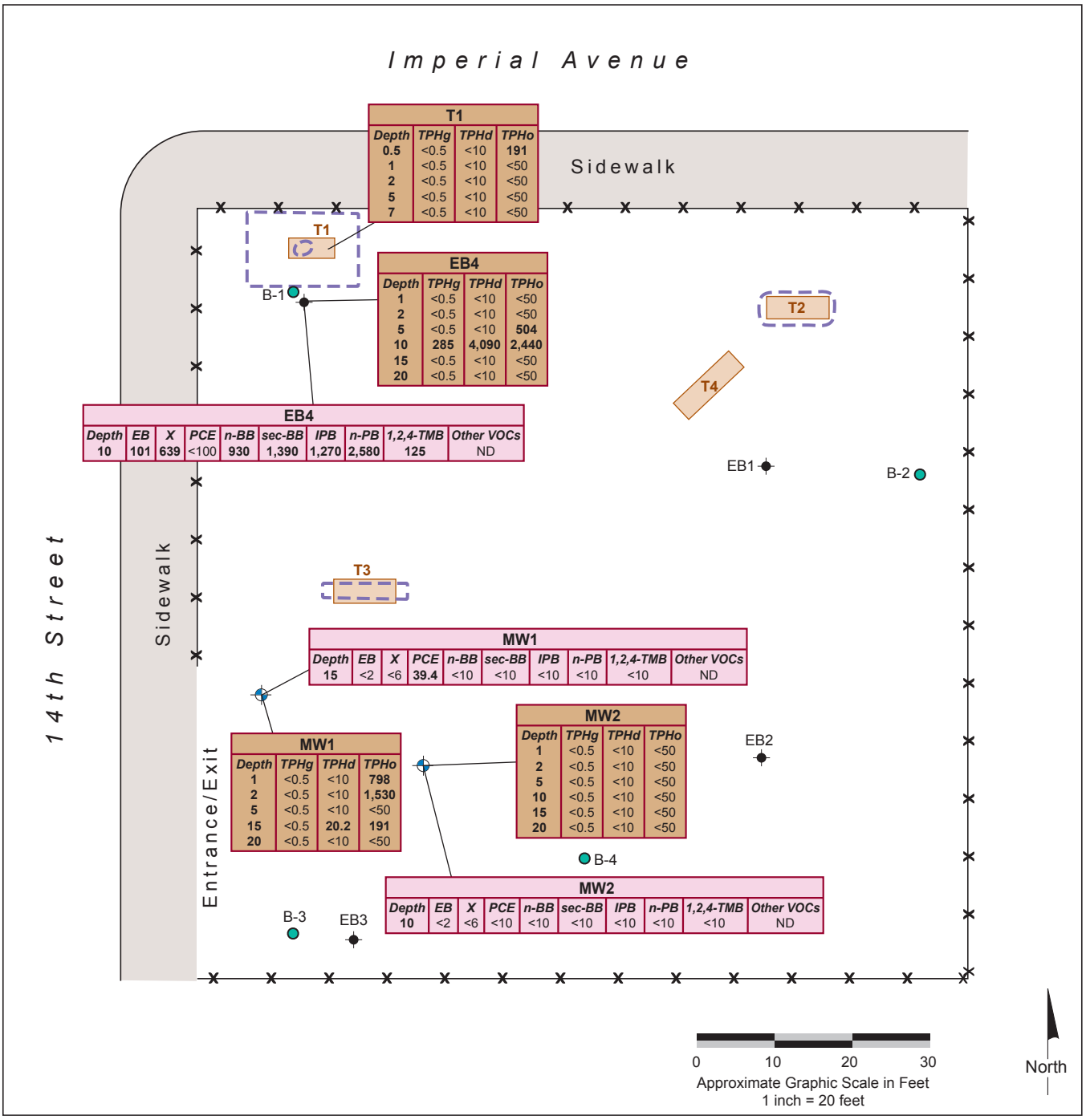
SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS AND SOLUBLE LEAD

Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 4

Date Drafted: 12/8/14



EXPLANATION

B-1 Geotechnical borings by Murbach Geotech

EB4 Soil borings advanced by SCS Engineers (SCS) on October 15-17, 2014

MW2 Monitoring wells advanced by SCS on October 15-17, 2014

Chain-link fence

T1 Trench location

Geophysical anomaly

MW1			
Depth	TPHg	TPHd	TPHo
1	<0.5	<10	798
2	<0.5	<10	1,530
5	<0.5	<10	<50
15	<0.5	20.2	191
20	<0.5	<10	<50

MW1									
Depth	EB	X	PCE	n-BB	sec-BB	IPB	n-PB	1,2,4-TMB	Other VOCs
15	<2	<6	39.4	<10	<10	<10	<10	<10	ND

Soil samples, with depth in feet below grade, collected by SCS Engineers on October 15-17, 2014, and analyzed for gasoline-, diesel-, and oil-range total petroleum hydrocarbons (TPHg, TPHd, TPHo, respectively) by EPA Method 8015B; volatile organic compounds (VOCs) by EPA Method 8260B. Results for TPH reported in milligrams per kilogram (mg/kg). Results for VOCs reported in micrograms per kilogram (µg/kg). **Bold** numbers indicate sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit

EB = ethylbenzene
X = xylenes
PCE = tetrachloroethene
n-BB = n-butylbenzene
sec-BB=sec-butylbenzene
IPB = isopropylbenzene
n-PB = n-propylbenzene
1,2,4-TMB = 1,2,4-trimethylbenzene

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

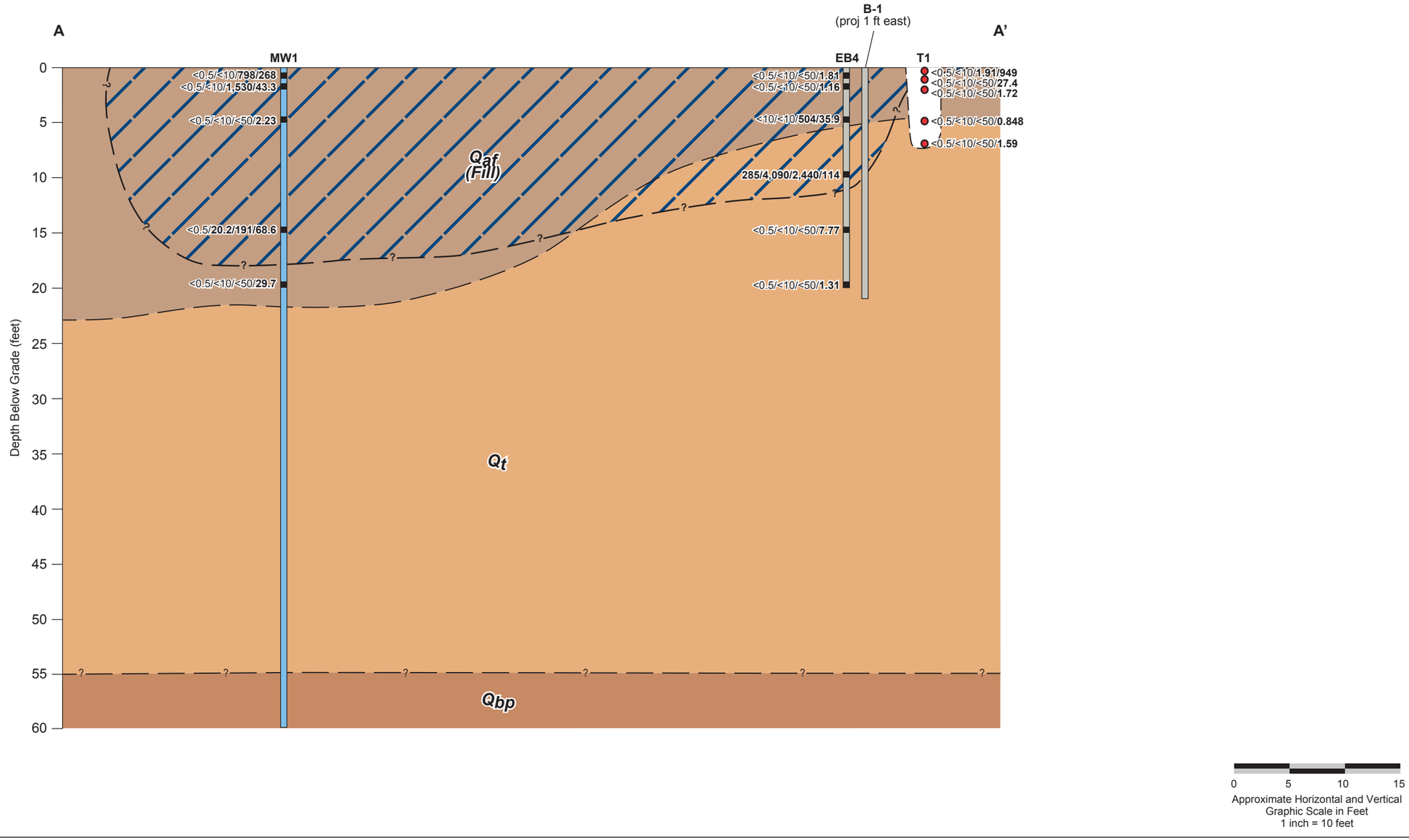
SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS

Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 5

Date Drafted: 12/8/14



EXPLANATION

<10/<10/<50/**2.23** Location and designation of soil sample collected by SCS Engineers on October 15-17, 2014. Soil samples, with depth in feet below grade, analyzed or gasoline-, diesel-, and oil-range total petroleum hydrocarbons (TPHg, TPHd, TPHo, respectively) by Environmental Protection Agency (EPA) Method 8015B; and total lead by EPA Method 6010. All results reported in milligrams per kilogram (mg/kg). **Bold** numbers indicate sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit.

Approximate extent of petroleum hydrocarbon-bearing soil

Q_{af} Fill - dark brown, fine- to coarse-grained sand

Q_t Terrace Deposits - brown to orange-brown, slightly moist, medium dense to dense sand and gravels

Q_{bp} Bay Point Formation - brown, moist to saturated, dense to very dense, silty to clayey sands with gravel

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

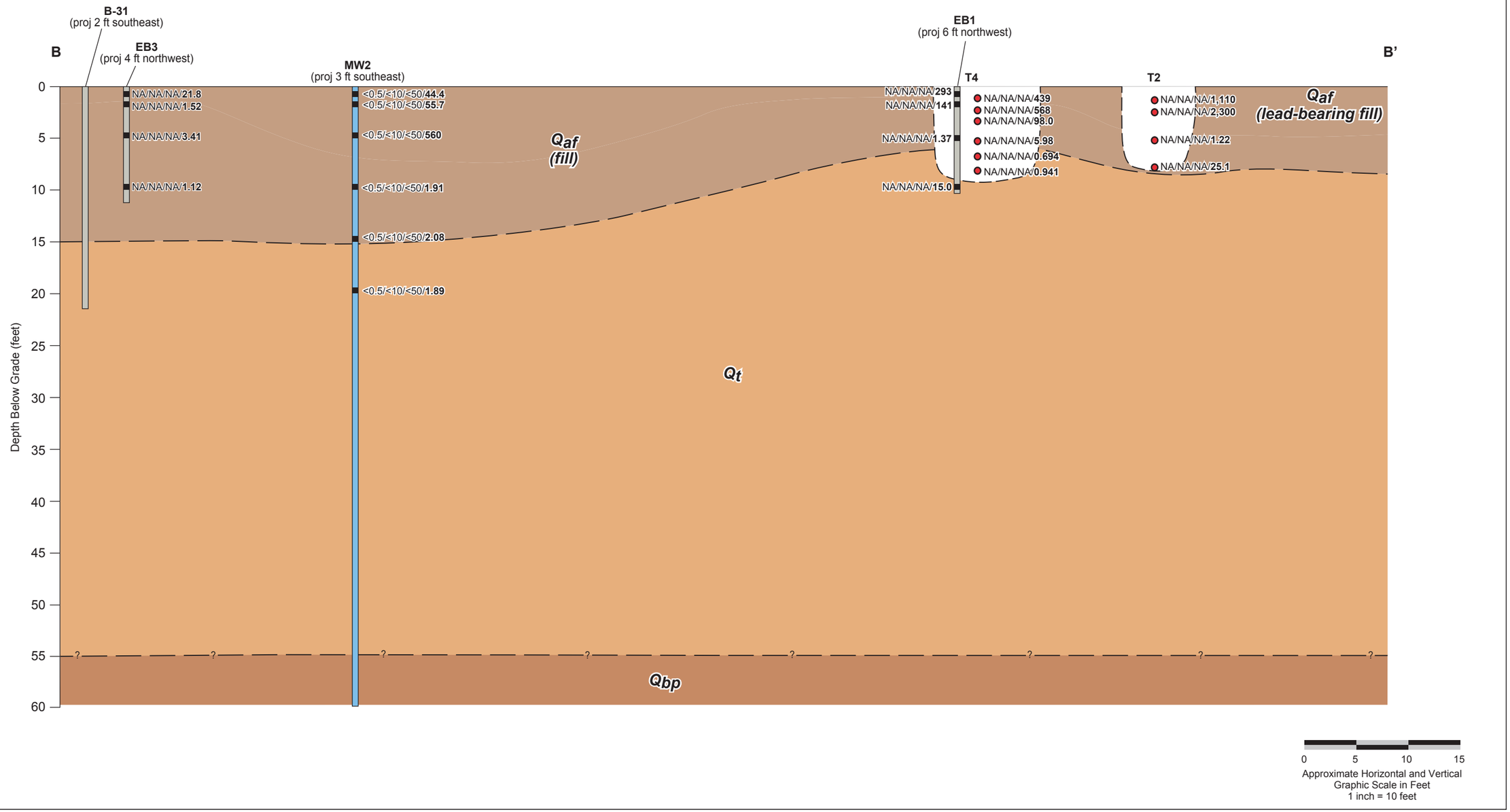
SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

CROSS-SECTION A - A'
Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 6

Date Drafted: 12/15/14



EXPLANATION

<0.5/<10/<50/**2.08** Location and designation of soil sample collected by SCS Engineers on October 15-17, 2014. Soil samples, with depth in feet below grade, analyzed or gasoline-, diesel-, and oil-range total petroleum hydrocarbons (TPHg, TPHd, TPHo, respectively) by Environmental Protection Agency (EPA) Method 8015B; and total lead by EPA Method 6010. All results reported in milligrams per kilogram (mg/kg). **Bold** numbers indicate sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit. NA indicates not analyzed.

Q_{af} Fill - dark brown, fine- to coarse-grained sand

Q_t Terrace deposits - brown to orange-brown, slightly moist, medium dense to dense sand and gravels

Q_{bp} Baypoint Formation - brown, moist to saturated, dense to very dense, silty to clayey sands with gravel

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

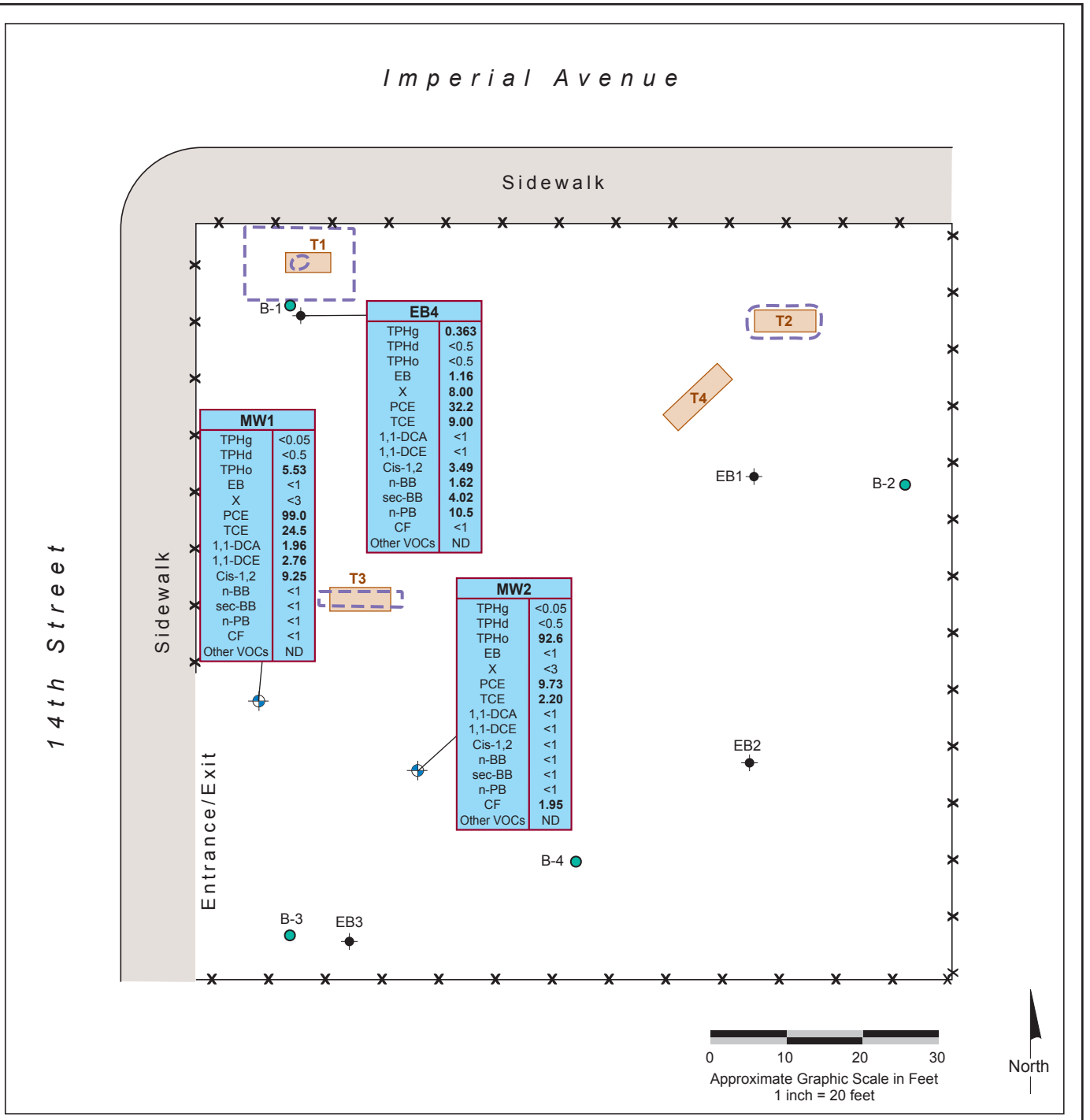
SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

CROSS-SECTION B - B'
Airborne America
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 7

Date Drafted: 12/15/14



EXPLANATION

- B-1 — Geotechnical borings by Murbach Geotech
- EB4 — Soil borings advanced by SCS Engineers (SCS) on October 15-17, 2014
- MW2 — Monitoring wells advanced by SCS on October 15-17, 2014
- X-X — Chain-link fence
- T1 — Trench location
- Geophysical anomaly

MW2	
TPHg	<0.05
TPHd	<0.05
TPHo	**92.6**
EB	<1
X	<3
PCE	**9.73**
TCE	**2.20**
1,1-DCA	<1
1,1-DCE	<1
Cis-1,2	<1
n-BB	<1
sec-BB	<1
n-PB	<1
CF	**1.95**
Other VOCs	ND

Groundwater samples collected by SCS on October 15-17, 2014, and analyzed for gasoline-, diesel-, and oil-range total petroleum hydrocarbons (TPHg, TPHd, TPHo, respectively) by Environmental Protection Agency (EPA) Method 8015B; volatile organic compounds (VOCs) by EPA Method 8260B. Results for TPH reported in milligrams per liter (mg/L). Results for VOCs reported in micrograms per liter (µg/L). **Bold** numbers indicate sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit.

EB = ethylbenzene
X = xylenes
PCE = tetrachloroethene
TCE = trichloroethene
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
cis-1,2 = cis-1,2-dichloroethene
n-BB = n-butylbenzene
sec-BB = sec-butylbenzene
n-PB = n-propylbenzene
CF = chloroform

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

GROUNDWATER ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS

Airborne America, Inc.
1401 Imperial Avenue
San Diego, California

Project No.: 01214209.00

Figure 8

Date Drafted: 12/9/14

APPENDICES

APPENDIX A

Geophysical Report

GEOPHYSICAL EVALUATION
1401 IMPERIAL AVENUE
SAN DIEGO, CALIFORNIA

PREPARED FOR:
SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

PREPARED BY:
Southwest Geophysics, Inc.
8057 Raytheon Road, Suite 9
San Diego, CA 92111

July 22, 2014
Project No. 114280

SOUTHWEST GEOPHYSICS, INC.
YOUR SUBSURFACE SOLUTION

July 22, 2014
Project No. 114280

Mr. Charles Houser
SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

Subject: Geophysical Evaluation
1401 Imperial Avenue
San Diego, California

Dear Mr. Houser:

In accordance with your authorization, we are pleased to submit this data report pertaining to our geophysical evaluation for a portion of the property located at 1401 Imperial Avenue in San Diego, California. The purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal. In addition, the presence of detectable underground utilities and obstructions were evaluated in the survey area. Our services were conducted on July 7, 2014. This data report presents the survey methodology, equipment used, analysis, and results from our study.

We appreciate the opportunity to be of service on this project. Should you have any questions please contact the undersigned at your convenience.

Sincerely,
SOUTHWEST GEOPHYSICS, INC.

Edward R. Verdugo, G.I.T.
Senior Staff Geologist/Geophysicist

Patrick F. Lehrmann, P.G., P.Gp.
Principal Geologist/Geophysicist

ERV/PFL/HV/hv

Distribution: Addressee (electronic)

8057 Raytheon Road, Suite 9 • San Diego • California 92111 • Telephone 858-527-0849 • Fax 858-225-0114

TABLE OF CONTENTS

Page

Figures

1. INTRODUCTION

In accordance with your authorization, we are pleased to submit this data report pertaining to our geophysical evaluation for a portion of the property located at 1401 Imperial Avenue in San Diego, California (Figure 1). The purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal. In addition, the presence of detectable underground utilities and obstructions were evaluated in the survey area. Our services were conducted on July 7, 2014. This data report presents the survey methodology, equipment used, analysis, and results from our study.

2. SCOPE OF SERVICES

Our scope of services included:

- Performance of a geophysical survey at the project site. Our survey included the use of a Geonics model EM61 time domain instrument, Fisher M-Scope TW-6 pipe and cable locator, RD4000 line tracer, Schonstedt GA-52C magnetic gradiometer and GSSI SIR 3000 Ground Penetrating Radar (GPR) unit using a 400 MHz transducer.
- Site reconnaissance including field mapping of surface structures at and near the survey area.
- Compilation and analysis of the data collected.
- Preparation of this data report presenting our findings and conclusions.

3. SITE DESCRIPTION AND BACKGROUND

The project site is located near the southeast corner of the intersection of Imperial Avenue and 14th Street in San Diego, California (Figure 1). The property is an active pay parking lot. The study area included the northwest portion of the property. Improvements at the site consist of chain link fencing, street lights, and asphalt pavement. Figures 2, 3a and 3b depict the general site conditions in the study area.

Based on our discussions with you, it is our understanding that auto service facilities once existed at the property and that USTs and lifts may have been utilized onsite. Details regarding their location and possible removal were reportedly not available.

4. GEOPHYSICAL INSTRUMENTATION AND APPLICATIONS

Our evaluation included the use of a Geonics model EM61, GSSI SIR 3000 GPR, Schonstedt model GA-52C magnetic gradiometer, Fisher M-Scope TW-6 pipe and cable locator, and RD4000 line tracer. These instruments provide real-time results and facilitate the delineation of subsurface features.

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. Conductive objects to a depth of approximately 11 feet generally can be detected.

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 boundaries in the subsurface across which there are an electrical contrast. The recorder continuously makes a record of the reflected energy as the antenna is moved across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The EM wave travels at a velocity unique to the material properties of the ground being studied, and when these velocities are known, or closely estimated from ground conductivity values and other information, two-way travel times can be converted to depth. Penetration into the ground and resolution of the GPR images produced are a function of ground electrical conductivity and dielectric constant. Images tend to be graphic, even at considerable depth, in sandy soils, but penetration and resolution may be limited in more conductive clayey moist ground.

The magnetic gradiometer has two fluxgate 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 an audible signal at a low frequency. When the instrument passes over buried iron or steel objects, so that the field is significantly different at the two sensors, the frequency of the emitted sound increases. Frequency is a function of the gradient between the two sensors.

The M-Scope TW-6 device energizes the ground by producing an alternating primary magnetic field with alternating current (AC) in the transmitting coil. If conducting materials (including soils) 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 an audio response. The strength of the secondary field is a function of the conductivity of the object, its size, and its depth and position relative to the instrument's two coils. Conductive objects to a depth of approximately 10 feet can be sensed. Also the device is somewhat focused, that is, it is more sensitive to conductors below (and above) the instrument, than to conductors off to the side.

Where risers are present, the RD4000 utility locator transmitter can be connected to the object, and a current is impressed on the conductor pipe or cable. The receiver unit is tuned to this same frequency, and it is used to trace the pipe's surface projection away from the riser. In addition, the instrument may be used in the passive mode, whereby radio and 60 Hz electromagnetic signals produced by communication and live electric lines are detected.

5. SURVEY METHODOLOGY

In order to facilitate the collection of EM61 data, a grid measuring 120 feet by 100 feet was established at the site. Traverses with the EM61 were conducted along roughly south to north profile lines spaced 5 feet apart across accessible portions of the survey area. GPR traverses were conducted along roughly east to west and south to north profiles spaced approximately 3 feet apart. GPR traverses were also performed along random profiles across and near detected features. Traverses with the M-Scope and gradiometer were conducted along traverses spaced

approximately 5 feet apart. The line tracer was used in both passive and inductive modes to delineate the presence of underground utilities in the study area. Significant anomalies as well as detectable underground utilities were marked on the ground surface with paint and reported to you.

6. RESULTS AND CONCLUSIONS

As previously discussed, the primary purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal. In addition, the presence of detectable underground utilities and obstructions were evaluated in the survey area. The results of our survey revealed the presence of eight EM anomalies, five possible paved-over concrete slabs (reinforced and non-reinforced), and two possible excavation features (Figures 2, 3a, and 3b). GPR traverses conducted over the EM anomaly in the northwest corner of the site appears to indicate a possible metal cover just below the asphalt, as well as a reflective response at approximately 4 feet below the asphalt (Figures 2 and 4). Due to the EM anomaly and the GPR response, this EM anomaly should be considered a candidate UST feature. The cause of the other EM anomalies is not known; however, it is our understanding that buildings and auto service appurtenances once existed at the site and buried remnants from these structures may still remain.

Several additional high EM responses were observed at the site; however these responses are attributed to the presence of reinforced concrete, parked cars, various utility lines/risers, signs, cut-off posts, street lights, and chain link fencing. It should be noted that the presence of existing structures and surface objects (i.e., metal fencing, parked cars, etc.) potentially limited the survey. Where obstructions were present subsurface data could not be collected. Moreover, EM and magnetic responses produced by metal surface objects, as well as, pipes and utilities can potentially obscure subsurface features. Additionally, radar penetration at the site was typically on the order of 3 to 4 feet below the ground surface; therefore, objects below this depth would not have been imaged with GPR. Figures 2, 3a and 3b illustrate the general site conditions.

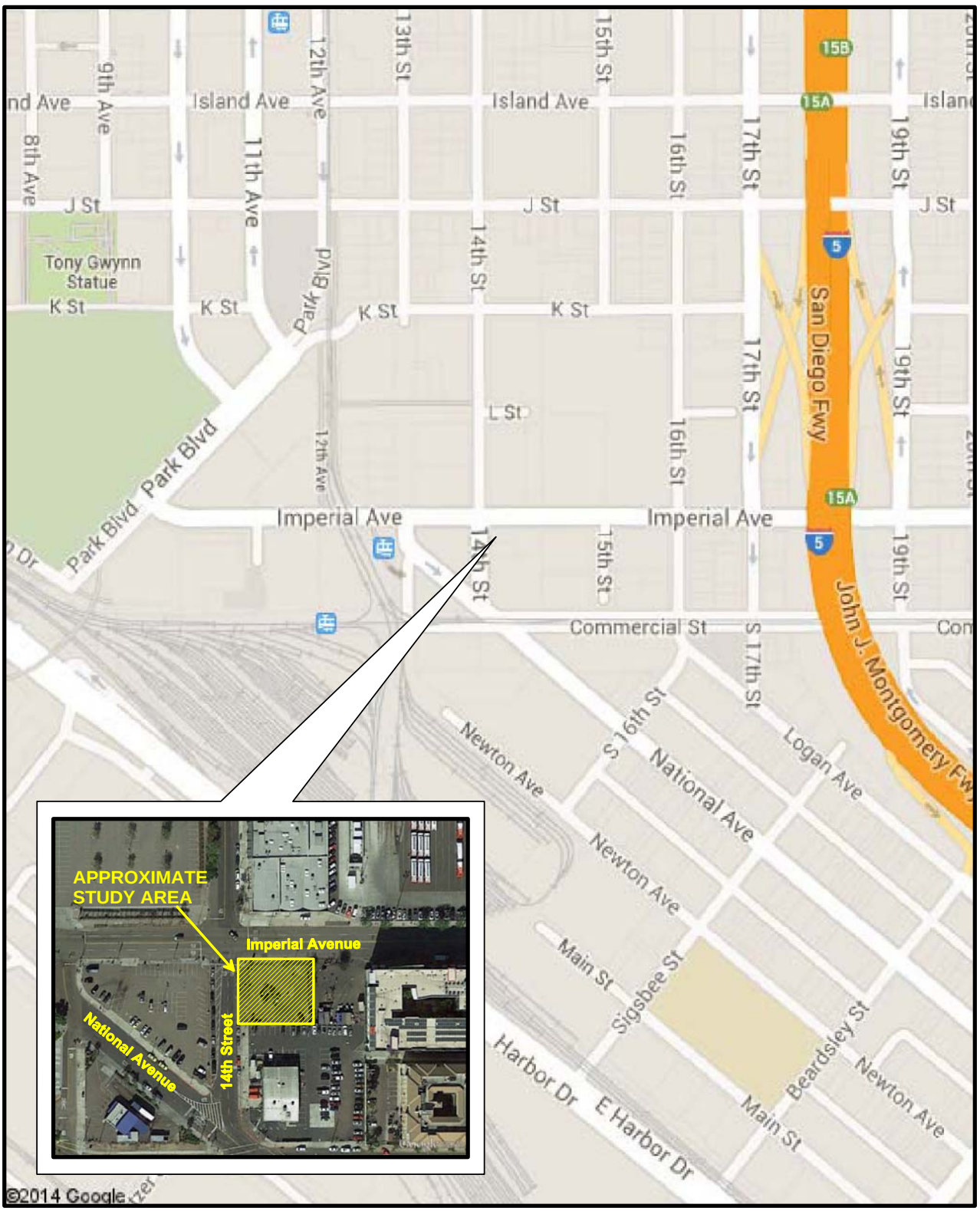
In order to further assess the features described above, we recommend that more direct methods be used. Such methods may include the excavation of exploratory trenches/test pits and/or borings.

7. LIMITATIONS

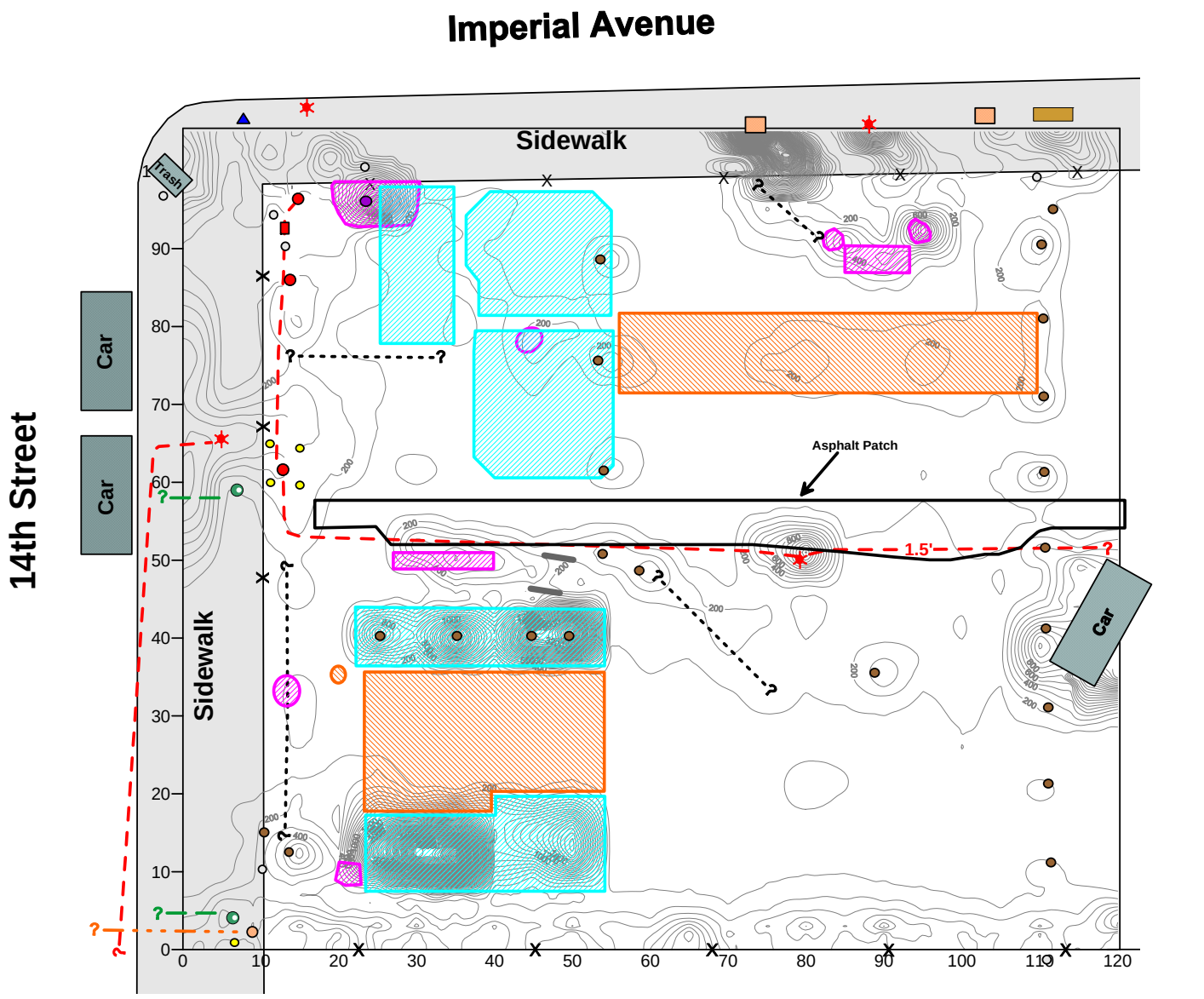
The field evaluation and geophysical analyses presented in this report have been conducted in general accordance with current practice and the standard of care exercised by consultants performing similar tasks in the project area. No warranty, express or implied, is made regarding the conclusions and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be present. Uncertainties relative to subsurface conditions can be reduced through additional subsurface surveying and/or exploration. Additional subsurface surveying can be performed upon request.

Please also note that our evaluation was limited to the detection of USTs and/or backfilled tank excavations, as well as the presence of detectable underground lines and obstructions in the study area. “USA” or “Dig Alert” should also be contacted prior to conducting subsurface exploration activities. In addition, we recommend that available utility plans/drawings of the project site be reviewed as appropriate.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Southwest Geophysics, Inc. should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document. This report is intended exclusively for use by the client. Any use or reuse of this report by parties other than the client is undertaken at said parties’ sole risk.



SITE LOCATION MAP	N	1401 Imperial Avenue San Diego, California		SOUTHWEST GEOPHYSICS INC. Figure 1
		Project No.: 114280	Date: 07/14	



LEGEND

EM Anomaly	Unidentified Line	Electric Riser	Sign or Post
Possible Buried Metal Cover	Electric Line	Electric Vault	Bollard
Possible Slab	Sewer Line	Communication Vault	Cut Off Post
Possible Excavation	Communication Line	Communication Riser	Fire Hydrant
Metal Obstruction	Gas Meter	Street Light	
Chain Link Fence	Parking Stop	Sewer Cleanout	

* All dimensions are approximate.
* Lines queried where termination uncertain.

0 20 40

approximate scale in feet

SITE DATA MAP

EM61 Data CI= 50 mVolts

N

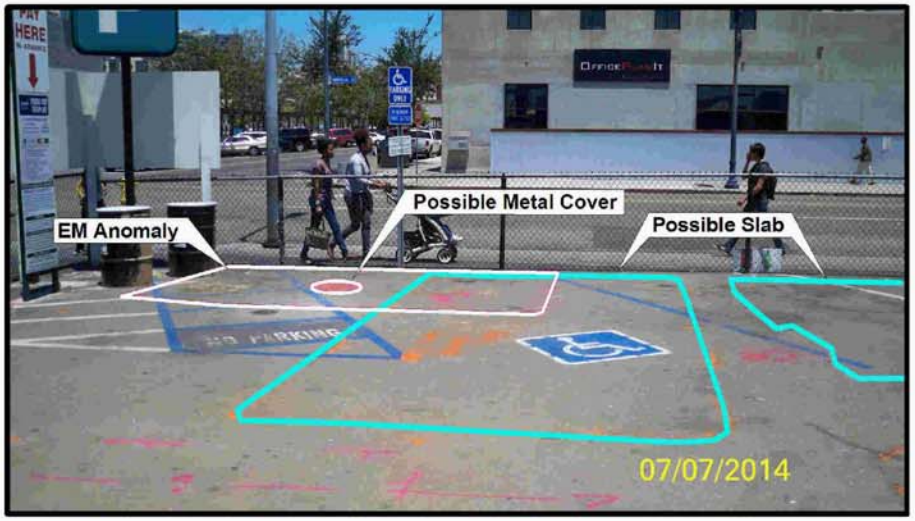
1401 Imperial Avenue
San Diego, California

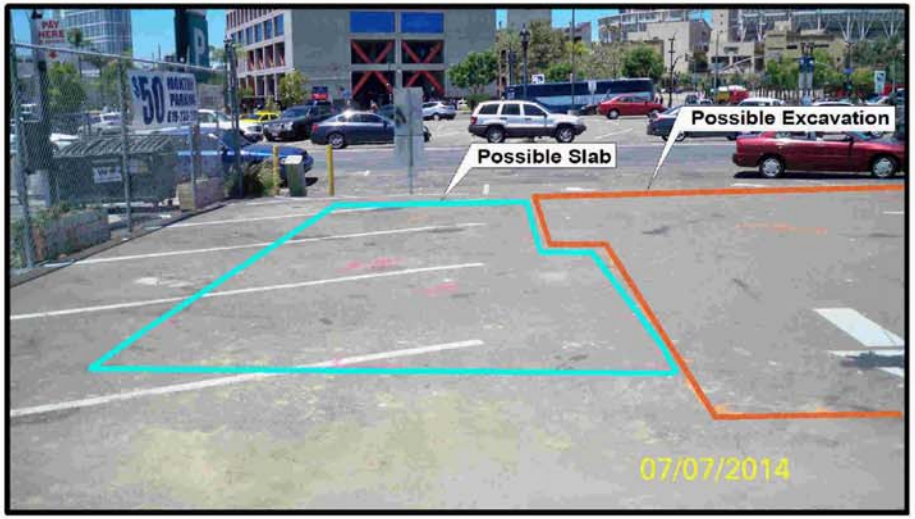
Project No.: 114280

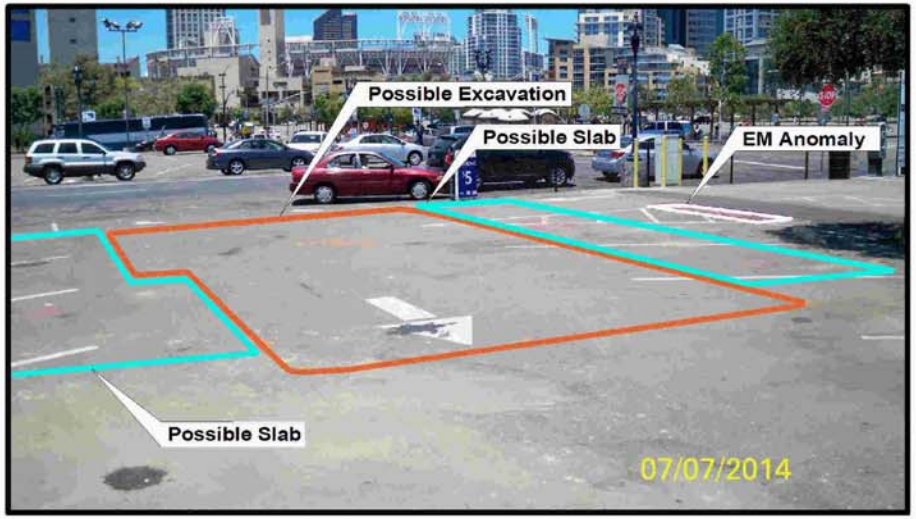
Date: 07/14

SOUTHWEST GEOPHYSICS INC.

Figure 2







SITE PHOTOGRAPHS

1401 Imperial Avenue
San Diego, California

Project No.: 114280 | Date: 07/14

SOUTHWEST GEOPHYSICS INC.

Figure 3a

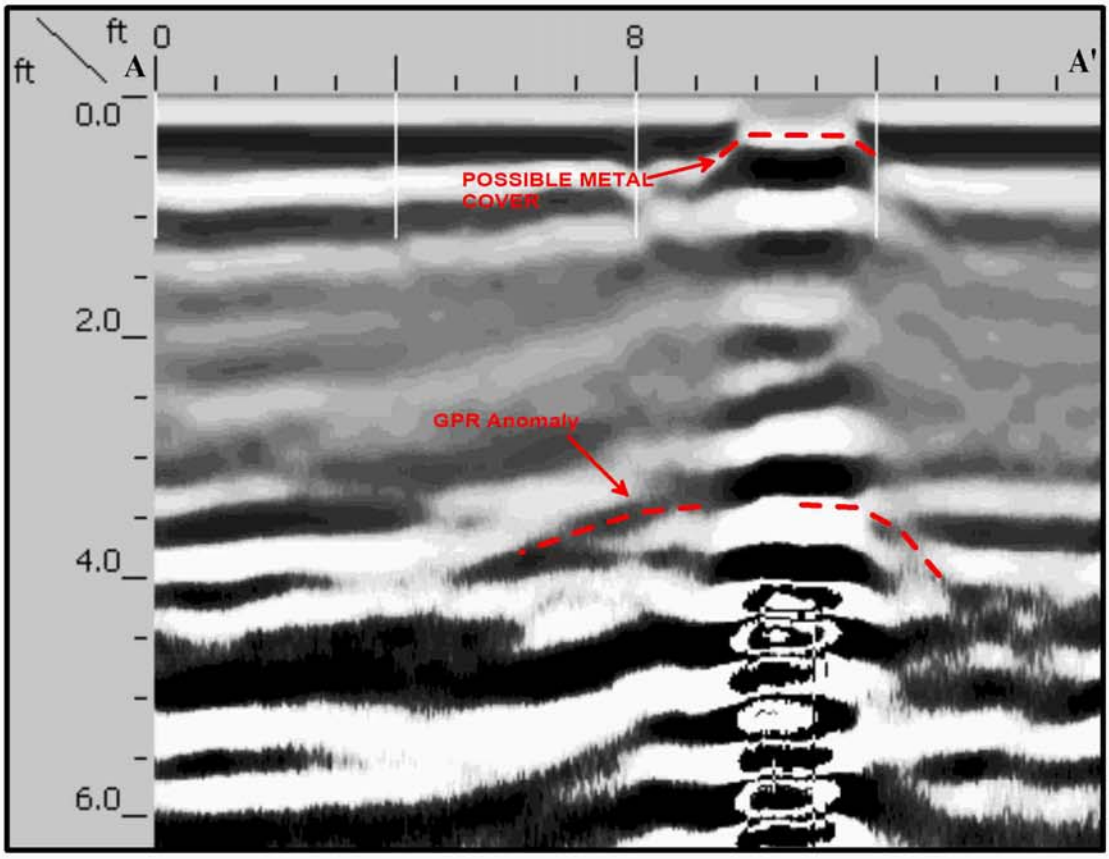
SITE PHOTOGRAPHS

1401 Imperial Avenue
San Diego, California

Project No.: 114280 | Date: 07/14

SOUTHWEST GEOPHYSICS INC.

Figure 3b



SITE RECORDS

1401 Imperial Avenue
San Diego, California

Project No.: 114280 | Date: 07/14

SOUTHWEST GEOPHYSICS INC.

Figure 4

APPENDIX B

Approved Boring Permit

PERMIT #LMWP-001293
A.P.N. #535-614-01, 02
EST #NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: COSEO PROPERTY

SITE ADDRESS: 1401 IMPERIAL AVE., SAN DIEGO CA 92113

PERMIT FOR: **THREE BORINGS**

PERMIT APPROVAL DATE: SEPTEMBER 19, 2014

PERMIT EXPIRES ON: JANUARY 16, 2015

RESPONSIBLE PARTY: AIRBORNE AMERICA INC.

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/water/sam_manual.html).** In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: _____ DATE: 9.19.2014
AMELIA CESEÑA

PERMIT APPLICATION
GROUNDWATER
AND VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 001293
SAM CASE Y/N # none
DATE RECEIVED: 9.17.2014
FEE PAID: _____
CHECK # _____

A. RESPONSIBLE PARTY Airborne America, Inc. E-mail tim@theirvinggroup.com
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 860 Country Club Lane City Coronado State CA Zip 92118
Contact Person Tim Wright-IrvingGroup Phone (619) 272-2828 Ext. _____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # _____

C. CONSULTING FIRM SCS Engineers
Mailing Address 8799 Balboa Ave, Ste 290 City San Diego State CA Zip 92123
Registered Professional Charles Houser Phone 858-571-5500 Registration # 945-CH (RCE, CEG, PG)
E-mail chouser@scsengineers.com Circle if applicable
Contact Person Charles Houser Phone Same Ext. ____ Email Same

D. DRILLING COMPANY ABC Liovin C57# 422904
Contact Name Rick Hastings E-mail rick@abcdrilling.com
Mailing Address 1180 East Burnett Street City Signal Hill State CA Zip 90755
Phone (562) 981-8575 Ext. _____

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	3
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction ___

MATERIALS TO BE USED

CASING
Not Applicable _____
Type _____
Gauge _____
Diameter _____
Well Screen Size ____
Filter Pack _____

SEAL/BORING BACKFILL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☒ Bentonite
☐ Other
Borehole diameter _____

Drilling Method
☒ Auger
☐ Direct Push
☐ Other _____
☐ Air Rotary
☐ Sonic
☐ Percussion

PROPOSED CONSTRUCTION
Estimated Groundwater Depth: 15 ft.
Estimated Depth of Boring: 20 ft.
Concrete Seal: 0 to 3
Annular Seal: _____ to _____
Filter Pack: _____ to _____
Perforation: _____ to _____

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 8/8/2014

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE _____ DATE 8/8/14

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. **ASSESSOR'S PARCEL NUMBER** 535-614-01 and 535-614-02

Site Name _____

Site Address 1401 Imperial City San Diego Zip 92113

PROPERTY OWNER Christopher J. Coseo

Phone _____ Ext. _____ Fax _____

Mailing Address 16870 West Bernardo Dr. #390 City San Diego State CA Zip 92129

NUMBER OF WELLS 3 **TYPE OF WELLS** Soil Borings

2. **ASSESSOR'S PARCEL NUMBER** _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation*.

1. What is the purpose of the well/boring investigation?

☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

_____ DEH _____ RWQCB _____ DTSC

☐ b. Part of a Phase I investigation for property ownership transfer.

☐ c. Geotechnical investigation for proposed construction or land stabilization.

☒ d. Other: Phase II Site Assessment

2. If wells are to be destroyed, provide a description of method of destruction NA

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒

H. FEES

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$200.00 for the first monitoring well	**$200.00**
Each Additional New Well	$161.00 for each additional well installation	___ x **$161.00**
New Well Inspection	$99.00 for first new well inspection	**$99.00**
	$30.00 for each additional new well inspection	___ x **$ 30.00**
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$200.00 for the first boring	1 x **$200.00** 200
	$49.00 for each additional boring	2 x **$ 49.00** 98
Permit for Well Destructions Only	$200.00 for the first destruction	___ x **$200.00** _____
	$123.00 for each additional destruction	___ x **$123.00** _____
Permit for any Combination of Well Installations, Borings, & Destructions ***(Except Enhanced Leak Detection)***	$200.00 for the first activity	___ x **$200.00** _____
	$161.00 for each additional well	___ x **$161.00** _____
	$99.00 for first well maintenance inspection	___ x **$ 99.00** _____
	$ 30.00 for each additional well maintenance inspection	___ x **$ 30.00** _____
	$123.00 for each well destruction	___ x **$123.00** _____
	$ 49.00 for each additional boring	___ x **$ 49.00** _____
Permit for Enhanced Leak Detection	**$320.00 (Flat Fee)**	$_____
	TOTAL COST OF PERMIT	$ 298

County of San Diego

JACK MILLER
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858)505-6688
www.sdcdeh.org

ELIZABETH POZZEBON
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:

1401 Imperial Ave.
San Diego, CA

Assessor's Parcel Number (APN):

535-614-01-00
535-614-02-00

I, Christopher J. Coseo, owner of the property/properties listed above, give my permission to SCS Engineers (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 3 soil borings

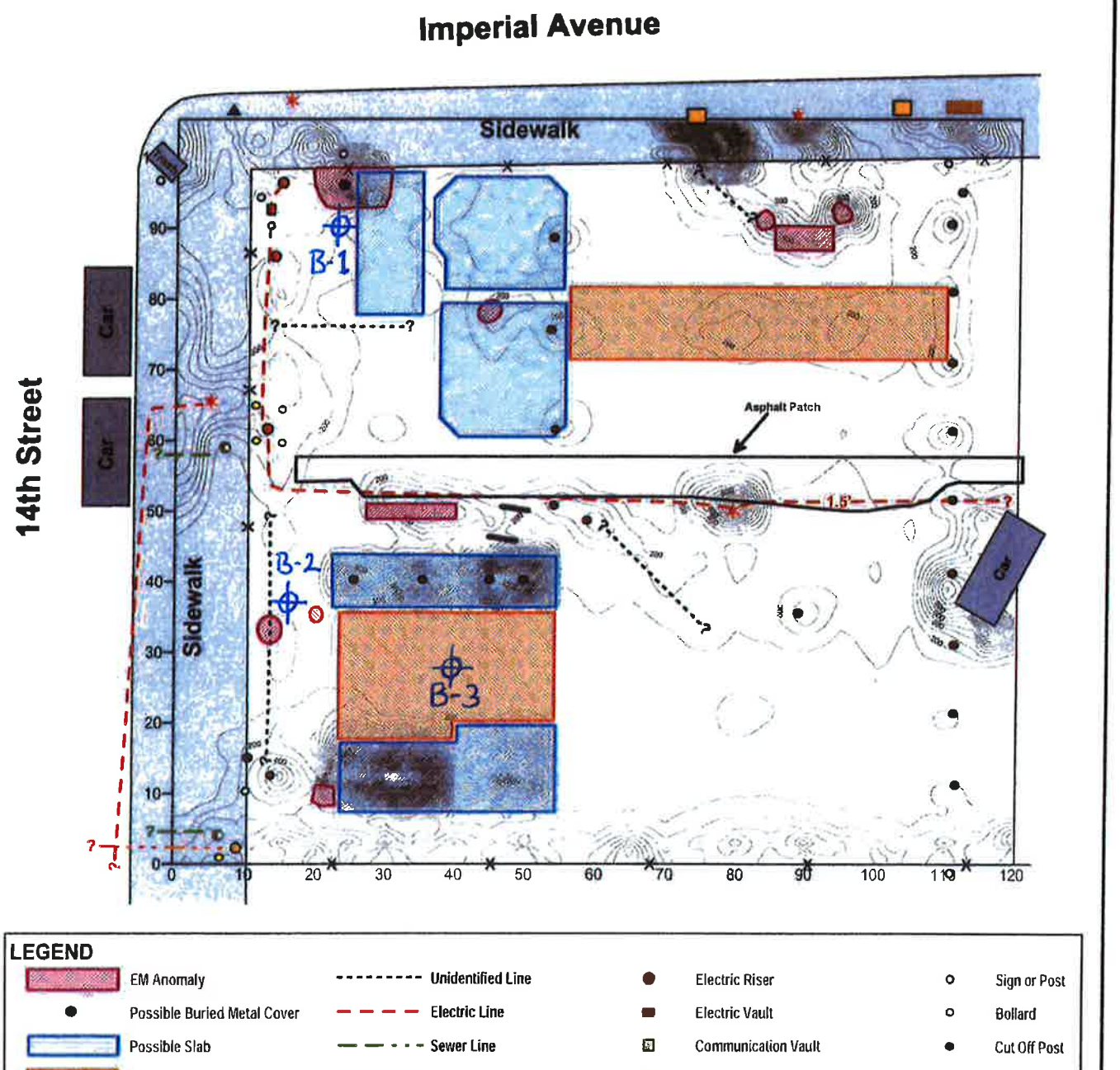
I understand that Charles Houser (registered professional) of SCS Engineers (consulting company) and an authorized signer for ABC Liovin Drilling (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: X _____ Date: 9/9/2014

Print Name: Christopher J. Coseo Title: _____

Company: _____

Mailing Address: 16870 West Bernardo Dr. Ste 350, San Diego, CA 92127



SITE DATA MAP
EM61 Data CI= 50 mVolts

N

1401 Imperial Avenue
San Diego, California

Project No.: 114280 | Date: 07/14

SOUTHWEST GEOPHYSICS INC

Figure 2

APPENDIX C

Trench Logs

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

TRENCH LOG

Number: **T1**

SCS Rep: Chuck Houser, CHg 945	Client: Airborne America, Inc.	Job No: 01214209.00	Sheet: 1 of 1
	Location: 1401 Imperial Avenue, San Diego, California	Drilling Company: Ace Excavating	

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Qty of Backfill.:	Total Depth:
10/16/14	12/16/14	Backhoe			7.5’

SAMPLE LOG

Sample Number	Lab results TPH Gas/Diesel (ppm)	Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
		0				
T1-6”	< 0.5/191		■	SM		4-inch concrete lid at west end of trench. Very dark grayish-brown (10 YR 3/2), silty, fine- to medium-grained SAND with glass.
		1				
T1-1	< 0.5/<50		■	SC		Brown (10 YR 4/3), clayey, fine- to medium-grained SAND with gravel and debris.
		2				
T1-2	< 0.5/<50		■	SM		Dark grayish-brown (10 YR 4/2), silty, fine- to medium-grained SAND, some gravel (cobbles).
		3				
						Gravel.
		4				
		5	■	SP		Light yellowish-brown (10 YR 6/4), medium- to coarse-grained, poorly graded SAND with gravel.
T1-5	< 0.5/<50					
		6				
T1-7	< 0.5/<50	7	■			Brown (7.5 YR 4/4), medium- to coarse-grained, poorly graded SAND with gravel.
		8				Trench terminated at 7.5 feet below grade.
		9				
		10				
		11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				

Logged by: Chuck Houser Title: Project Manager Date: 10-16-14

Reviewed by: Luke Montague License no: PG 8071 Date: 12-19-14

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

TRENCH LOG

Number: **T2**

SCS Rep: Chuck Houser, CHg 945	Client: Airborne America, Inc.	Job No: 01214209.00	Sheet: 1 of 1
	Location: 1401 Imperial Avenue, San Diego, California	Drilling Company: Ace Excavating	

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Qty of Backfill.:	Total Depth:
10/16/14	12/16/14	Backhoe			8’

Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
0		SP		6 inches asphalt. Light yellowish-brown (2.5 Y 6/4), fine- to coarse-grained, poorly graded SAND with some gravel.
1		SP-SM		Very dark grayish-brown (10 YR 3/2), fine- to medium-grained, poorly graded SAND with silt, construction debris (brick, concrete, metal, glass).
2				
3		SM		Very dark grayish-brown (10 YR 3/2), silty, fine-grained SAND, slightly moist.
4				
5		SM		Brown (10 YR 4/3), silty, fine- to medium-grained SAND, slightly moist.
6				
7				
8		SM		Brown (10 YR 4/3), silty, fine- to medium-grained SAND with cobbles, slightly moist. Trench terminated at 8 feet below grade.
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Logged by: Chuck Houser Title: Project Manager Date: 10/16/14

Reviewed by: Luke Montague License no: PG 8071 Date: 12/19/14

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

TRENCH LOG

Number: **T3**

SCS Rep: Chuck Houser, CHg 945	Client: Airborne America, Inc.	Job No: 01214209.00	Sheet: 1 of 1
	Location: 1401 Imperial Avenue San Diego, California	Drilling Company: Ace Excavating	

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Qty of Backfill.:	Total Depth:
10/16/14	12/16/14	Backhoe			8’

Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
0 – 2		SM		Brown (10 YR 5/3), fine- to coarse-grained, poorly graded SAND with silt.
2 – 8				From 2 to 8 feet below grade: Trash, water, oil residue on plastic sheeting, oily odor, shoe, paper, plastic containers. PID = 0.0 Excavation in hoist vault - abandoned trench.
8				Trench terminated at 8 feet below grade.

Logged by: Chuck Houser Title: Project Manager Date: 10-16-14

Reviewed by: Luke Montague License no: PG 8071 Date: 12-19-14

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

TRENCH LOG

Number: **T4**

Client: Airborne America, Inc.	Job No: 01214209.00	Sheet: 1 of 1	
SCS Rep: Chuck Houser, CHg 945	Location: 1401 Imperial Avenue, San Diego, California	Drilling Company: Ace Excavating	
Date Drilled: 10/16/14	Date Drafted: 12/16/14	Drill Rig/Sampling Method: Backhoe	Borehole Dia.: / Qty of Backfill.: / Total Depth: 9’

Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
0	■	SC		Brownish-yellow (10 YR 6/6), fine- to coarse-grained, poorly graded SAND with trace silt, slightly moist.
1	■	SM		Dark brown (10 YR 3/3), silty SAND with abundant brick, glass.
2	■	SC		Very dark brown (10 YR 3/2), clayey SAND with glass, ash.
3	■	SM		Very dark brown (10 YR 3/2), silty, fine-grained SAND, moist.
6	■	SC		Dark yellowish-brown (10 YR 4/4), fine- to coarse-grained, poorly graded SAND with cobbles, moist.
8	■	SM		Brown (10 YR 4/3), silty, fine-grained SAND, moist, gravel.
9	■	SC		Yellowish-brown (10 YR 5/4), medium- to coarse-grained, poorly graded SAND, cobbles, moist.
				Trench terminated at 9 feet below grade.

Logged by: Chuck Houser Title: Project Manager Date: 10/16/14

Reviewed by: Luke Montague License no: PG 8071 Date: 12/19/14

APPENDIX D

Boring Logs

SCS ENGINEERS

BOREHOLE LOG

Number: EB1

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Airborne America

Job No: 01214209.00

Sheet: 1 of 1

Logged by: Chuck Houser, CHg 945

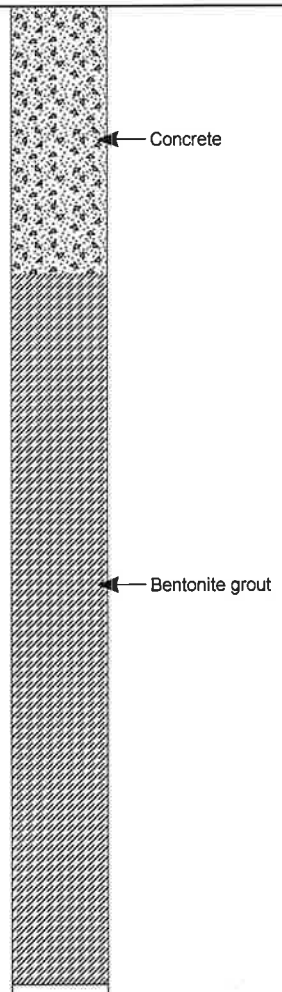
Location: 1401 Imperial Avenue, San Diego, CA

Drilling Company: ABC Liovin

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
10/15/14	12/22/14	Hollow Stem Auger / Split Spoon Sampler	8"	11.0	0.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0								Asphalt (0-6 inches)
1		EB1-1	7 8 9			SP/SM		Brown (10 YR 5/3), fine- to coarse-grained, poorly graded SAND with silt, slightly moist, some gravel.
2		EB1-2						
3								
4								
5		EB1-5.5	10 14 17					Brown (10 YR 4/3), silty, fine- to coarse-grained SAND with gravel, slightly moist.
6								
7						SM		
8								
9								
10		EB1-10	30 50-6"					Dark yellowish-brown (10 YR 4/4), silty, fine- to coarse-grained SAND with gravel.
11								Boring terminated at 11 feet below grade. Backfilled with hydrated bentonite grout and capped with concrete.
12								
13								
14								
15								

Completion Detail



Logged By: Chuck Houser, CHg 945 Title: Project Manager Date: 10/15/14

Reviewed By: Keith L. Etchells License No: CHg 981 Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS — BOREHOLE LOG

Number: EB2

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Airborne America
Job No: 01214209.00
Sheet: 1 of 1

Logged by: Alissa Barrow
Location: 1401 Imperial Avenue, San Diego, CA
Drilling Company: ABC Liovin

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
10/15/14	12/22/14	Hollow Stem Auger / Split Spoon Sampler	8"	11.0	0.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0								Asphalt (0-6 inches)
1		EB2-1	7 8 9			SP		Very dark brown (10 YR 2/2), fine- to coarse-grained, poorly graded SAND, slightly moist, no odor.
2		EB2-2						Dark brown (10 YR 3/3), silty, fine- to medium-grained, poorly graded SAND, moist, no odor.
3						SM		
4								
5								Dark brown (10 YR 3/3), silty, fine- to medium-grained, poorly graded SAND, moist, no odor.
6		EB2-5	9 11 13					Dark yellowish-brown (10 YR 4/4), medium- to coarse-grained, poorly graded SAND with large gravel (angular, up to 2 inches), slightly moist, no odor.
7						SP		
8								
9								
10						SP/SM		Black, (10 YR 2/1), fine- to medium-grained, poorly graded SAND with silt, slightly moist, no odor.
11		EB2-10	50-6"			SP		Yellowish-brown (10 YR 3/6), medium- to coarse-grained, poorly graded SAND with gravel (angular, up to 2 inches), moist, no odor.
12								Boring terminated at 11 feet below grade. Backfilled with hydrated bentonite grout and capped with concrete.
13								
14								
15								

Completion Detail: Concrete (0–5); Bentonite grout (5–11)

Logged By: Alissa Barrow — Title: Staff Professional — Date: 10/15/14

Reviewed By: Keith L. Etchells — License No: CHg 981 — Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS — BOREHOLE LOG

Number: EB3

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Airborne America
Job No: 01214209.00
Sheet: 1 of 1

Logged by: Alissa Barrow
Location: 1401 Imperial Avenue, San Diego, CA
Drilling Company: ABC Liovin

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
10/15/14	12/22/14	Hollow Stem Auger / Split Spoon Sampler	8"	11.0	0.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0								Asphalt (0-6 inches)
1		EB3-1	8 11 14			SP		Dark brown (10 YR 3/3), fine- to coarse-grained, poorly graded SAND with gravel (angular, up to 0.5 inches), dry, no odor.
2		EB3-2						Grayish-brown (10 YR 5/2), medium- to coarse-grained, poorly graded SAND with silt, slightly damp, no odor.
3								
4								
5		EB3-5	7 12 15					Dark grayish-brown (10 YR 4/2), fine- to medium-grained, poorly graded SAND with silt and gravel (angular, up to 1 inch), moist, no odor.
6						SP/SM		
7								
8								
9								
10		EB3-10	30 50			SM		Dark brown (10 YR 3/3), fine- to medium-grained, poorly graded silty SAND with gravel (angular, up to 1 inch), wet, no odor.
11								Boring terminated at 11 feet below grade. Backfilled with hydrated bentonite grout and capped with concrete.
12								
13								
14								
15								

Completion Detail: 0–5 feet Concrete; 5–10 feet Bentonite grout

Logged By: Alissa Barrow — Title: Staff Professional — Date: 10/15/14
Reviewed By: Keith L. Etchells — License No: CHg 981 — Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS — BOREHOLE LOG

Number: EB4

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Airborne America
Job No: 01214209.00
Sheet: 1 of 1

Logged by: Alissa Barrow
Location: 1401 Imperial Avenue, San Diego, CA
Drilling Company: ABC Liovin

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
10/16/14	12/22/14	Hollow Stem Auger / Split Spoon Sampler	8"	20.0	0.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0		EB4-1	4			SP		Very dark grayish-brown (10 YR 3/2), fine- to coarse-grained, poorly graded SAND with brick fragment and broken glass, dry, no odor.
		EB4-2	5 6					Yellowish-brown (10 YR 3/4), fine-grained silty SAND with mica, slightly damp, no odor.
						SM		
5		EB4-5	9 11 14					Dark brown (10 YR 3/3), fine- to medium-grained, poorly graded SAND with silt, moist, no odor. Yellowish-brown (10 YR 5/6), medium- to coarse-grained, poorly graded SAND with gravel (angular, up to 1 inch), slightly moist, no odor.
10		EB4-10	50-6"	166		SP/SM		Dark brown (10 YR 3/3), fine- to coarse-grained, poorly graded SAND with silt and gravel (angular, up to 1 inch), strong hydrocarbon odors, wet.
15		EB4-15	11 14 16	45.4		SP		Dark yellowish-brown (10 YR 3/4), fine- to coarse-grained, poorly graded SAND with silt and gravel (angular, multi-colored, up to 1 inch), hydrocarbons odors, moist. Light olive brown (2.5 Y 5/4), fine-grained, silty SAND, moist, no odor.
20								Boring terminated at 20 feet below grade. Backfilled with hydrated bentonite grout and capped with concrete.
25								

Completion Detail: Concrete; Bentonite grout

Logged By: Alissa Barrow — Title: Staff Professional — Date: 10/16/14

Reviewed By: Keith L. Etchells — License No: CHg 981 — Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

WELL LOG

Number: MW1

Sheet: 1 of 2

Client: Airborne America

Job No: 01214209.00

Location: 1401 Imperial Avenue, San Diego, CA

Drilling Company: ABC Liovin

SCS Representative: Alissa Barrow

Lat.:	Long:	Elev:

Date Drilled: 10/16/14

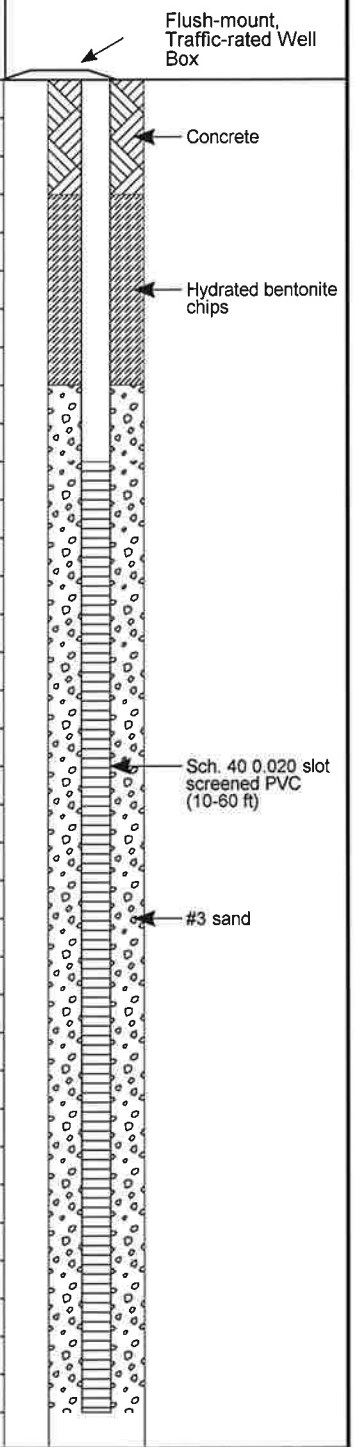
Date Drafted: 12/22/14

Drilling / Sampling Method: Hollow Stem Auger / Split Spoon Sampler

Borehole Dia.:	Casing Dia:	Total Depth:
12"	4"	60.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0								Asphalt (0-6 inches)
		MW1-1 MW1-2	30 50			SP		Very dark brown (10 YR 2/2), fine- to coarse-grained, poorly graded SAND with gravel (angular, up to 1 inch), dry, no odor. Same as above.
5		MW1-5	9 11 13					Dark yellowish-brown (10 YR 4/4), fine- to medium-grained silty SAND with gravel (smooth, up to 1 inch), moist, no odor.
10						SM		No recovery.
15		MW1-15	10 12 16					Brown (10 YR 4/3), medium- to coarse-grained, poorly graded SAND with silt, wet, no odor.
20		MW1-20	11 16 19			SM		Very dark grayish-brown (10 YR 3/2), fine- to coarse-grained, poorly graded SAND with silt, wet, no odor. Brown (10 YR 4/3), fine- to medium-grained, silty SAND, moist, no odor.
25								
30			12 16 21			SP		Yellowish-brown (10 YR 5/6), fine- to medium-grained, poorly graded SAND, wet, no odor.
35								

Completion Detail



Logged By: Alissa Barrow Title: Staff Professional Date: 10/16/14

Reviewed By: Keith L. Etchells License No: CHg 981 Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

WELL LOG

Number: MW1

Client: Airborne America
Job No: 01214209.00
Sheet: 2 of 2

SCS Representative: Alissa Barrow
Location: 1401 Imperial Avenue, San Diego, CA
Drilling Company: ABC Liovin

Date Drilled: 10/16/14
Date Drafted: 12/22/14
Drilling / Sampling Method: Hollow Stem Auger / Split Spoon Sampler
Lat.:
Long:
Elev:
Borehole Dia.: 12"
Casing Dia.: 4"
Total Depth: 60.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
35						SP		
40	X		13 16 18			SM		Yellowish-brown (10 YR 3/4), fine- to medium-grained, silty SAND, wet, no odor.
45						SP		Yellowish-brown (10 YR 5/4), medium-grained, poorly graded SAND, wet, no odor.
50	X		13 17 26					
55	X		9 11 14			SM-SC		Yellowish-brown (10 YR 5/4) mottled with strong brown (7.5 YR 5/6), fine- to medium-grained, silty, clayey SAND, moist, no odor.
						SC		Yellowish-brown (10 YR 5/4), fine-grained, clayey SAND, wet, no odor.
60	X					SP		Yellowish-brown (10 YR 5/4), medium-grained, poorly graded SAND, wet, no odor. Boring terminated at 60 feet below grade.
65								
70								

Completion Detail: Sch. 40 0.020 slot screened PVC (10-60 ft); #3 sand; End cap

Logged By: Alissa Barrow Title: Staff Professional Date: 10/16/14
Reviewed By: Keith L. Etchells License No: CHg 981 Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

WELL LOG

Number: MW2

Sheet: 1 of 2

Client: Airborne America

Job No: 01214209.00

SCS Representative: Alissa Barrow

Location: 1401 Imperial Avenue, San Diego, CA

Drilling Company: ABC Liovin

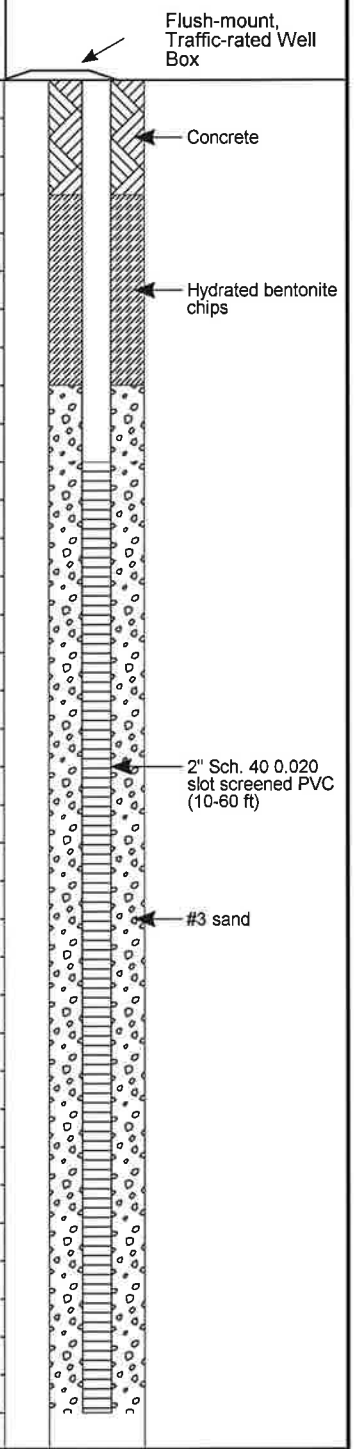
Lat.: | Long: | Elev:

Date Drilled: 10/15/14 | Date Drafted: 12/22/14 | Drilling / Sampling Method: Hollow Stem Auger / Split Spoon Sampler

Borehole Dia.: 8" | Casing Dia.: 2" | Total Depth: 60.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0								Asphalt (0-1 inch)
								Concrete (1 inch - 6.2 inches)
		MW2-1 MW2-2	30 50			SP		Dark yellowish-brown (10 YR 3/4), fine- to coarse-grained, poorly graded SAND, slightly moist, no odor.
						SM		Dark brown (10 YR 3/3), fine- to medium-grained silty SAND, moist, no odor.
5		MW2-5	9 11 13					Dark yellowish-brown (10 YR 3/4), fine- to coarse-grained, poorly graded SAND with gravel (angular, up to 1 inch), slightly moist, no odor.
10		MW2-10	12 13 18			SP		Brown (10 YR 5/3), medium- to coarse-grained, poorly graded SAND, wet, no odor.
15		MW2-15	50-6"			SC		Dark yellowish-brown (10 YR 4/4), very fine- to coarse-grained clayey SAND with gravel (smooth, up to 1 inch), wet, no odor.
20		MW2-20	12 13 15					Yellowish-brown (10 YR 5/6), fine-grained, silty, clayey SAND, wet, no odor.
25						SC-SM		
30			50-6"					Yellowish-brown (10 YR 5/6), fine-grained, poorly graded SAND with silt, moist-wet, no odor.
						SM		
35								

Completion Detail



Logged By: Alissa Barrow | Title: Staff Professional | Date: 10/15/14

Reviewed By: Keith L. Etchells | License No: CHg 981 | Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

SCS ENGINEERS

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

WELL LOG

Number: MW2

Client: Airborne America
Job No: 01214209.00
Sheet: 2 of 2

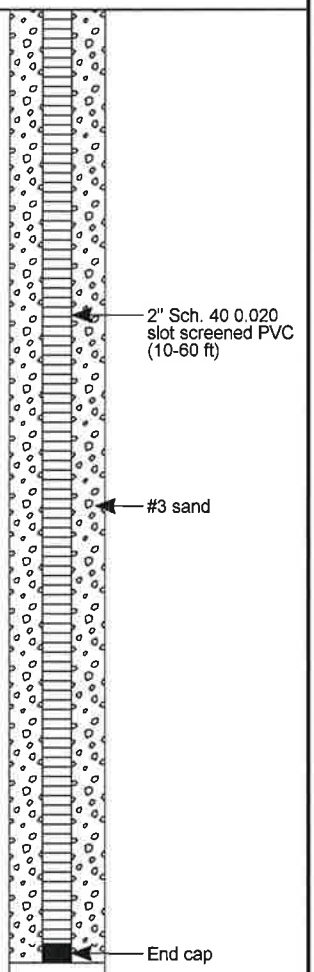
SCS Representative: Alissa Barrow
Location: 1401 Imperial Avenue, San Diego, CA
Drilling Company: ABC Liovin

Date Drilled: 10/15/14
Date Drafted: 12/22/14
Drilling / Sampling Method: Hollow Stem Auger / Split Spoon Sampler

Lat.: | Long: | Elev:
Borehole Dia.: 8" | Casing Dia.: 2" | Total Depth: 60.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
35						SM		Yellowish-brown (10 YR 5/4), fine- to medium-grained, poorly graded SAND with silt, wet, no odor.
40	X		13 17 19					Yellowish-brown (10 YR 5/4) mottled with orange, clayey, fine- to medium-grained, SAND, moist, no odor.
45						SC		
50	X		10 11 14			SP		Yellowish-brown (10 YR 3/4), fine- to medium-grained, poorly graded SAND, wet, no odor.
						SM		Yellowish-brown (10 YR 5/4) mottled with orange, silty, fine-grained SAND.
55	X		12 14 16			SC		Strong brown (7.5 YR 5/6) mottled with orange, clayey, fine-grained SAND, moist, no odor.
60								Boring terminated at 60 feet below grade.
65								
70								

Completion Detail



Logged By: Alissa Barrow | Title: Staff Professional | Date: 10/15/14
Reviewed By: Keith L. Etchells | License No: CHg 981 | Date: 12/19/14

SD BORING TPH LOG 214209.00 TPH BORING LOGS.GPJ GINT STD US.GDT 12/22/14

APPENDIX E

Laboratory Analytical Results and Chain of Custody Documentation

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Allisa Barrow

Number of Pages 18
Date Received 10/15/2014
Date Reported 10/22/2014

Job Number	Ordered	Client
62392	10/15/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial Ave.
San Diego, CA

Enclosed are the results of analyses on 19 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# № 60164 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 62392

Company: SCS Engineers		Report To: Alissa Barrow; Chuck Haser	ANALYSIS REQUESTED
Address: 8799 Balboa Ave, Ste 290	Project Name: Airborne America	Address: Same	
San Diego, CA 92123	Site Address: 1401 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5500 Fax: 858-571-5357	San Diego, CA	Address: Same	
Special Instruction:	Project ID: 01214209.00		
E-mail: abarrow@scsengineers.com chaser@scsengineers.com	Project Manager: Chuck Haser	P.O.#: 01214209.00	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH extended range	Total Lead	Remarks
	323129	EB1-1'	10-15-14	9:17	1	stainless steel sleeve	Soil	None		X	
	323130	EB1-2'		9:17	1					X	
	323131	EB1-5'		9:25	1					X	
	323132	EB1-10'		9:28	1					X	
	323133	EB2-1'		10:10	1					X	
	323134	EB2-2'		10:10	1					X	
	323135	EB2-5'		10:17	1					X	
	323136	EB2-10'		10:22	1					X	
	323137	EB3-1'		11:08	1					X	
	323138	EB3-2'		11:08	1					X	

Collected By: Alissa Barrow	Date 10-15-14	Time	Relinquished By: Alissa Barrow	Date 10-15-14	Time 1406
Relinquished By:	Date	Time	Received For Laboratory:	Date 10-15-14	Time 14:00
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# Nº 63804 GLOBAL ID _____ E REPORT: ☒ PDF ☒ EDF ☐ EDD ASL JOB# 62392

Company: SCS Engineers		Report To:	
Address:	Project Name: Air Borne America	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction:	Project ID: 01214209.00		
E-mail:	Project Manager:	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH Extended	Total Lead (6010)	VOCs 8260	Remarks
	323139	EB3-5'	10-15-14	11:12	1	stainless steel sleeve	Soil	None		X		
	323140	EB3-10'		11:17						X		
	323141	MW-2-1'		12:40					X	X		
	323142	MW-2-2'		12:40					X	X		
	323143	MW-2-5'		12:45					X	X		
	323144	MW-2-10'		12:50					X	X	X	
	323145	MW-2-15'		12:54					X	X		
	323146	MW-2-20'		12:58					X	X		
	323147	MW-2-GW		13:30	7	6-VOAs 1-500ml amber	Groundwater	VOAs-HCl Amber: None	X	X	X	

Collected By: Jessa Barrow	Date 10-15-14	Time	Relinquished By: Jessa Barrow	Date 10-15-14	Time 14:00
Relinquished By:	Date	Time	Received For Laboratory:	Date 10/15/14	Time 14:00
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report Yellow - Laboratory Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 102114-2

Our Lab I.D.		**323147**				
Client Sample I.D.		MW-2-GW				
Date Sampled		**10/15/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/22/2014**				
Matrix		Groundwater				
Units		mg/L				
Dilution Factor		5				
Analytes	**PQL**	**Results**				
ICP Metals						
Lead	**0.0250**	**2.49**				

QUALITY CONTROL REPORT

QC Batch No: 102114-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	**106**	**113**	**6.4**	**80-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **3**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-102214

Our Lab I.D.		**323147**				
Client Sample I.D.		MW-2-GW				
Date Sampled		**10/15/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Groundwater				
Units		mg/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**0.500**	**ND**				
TPH OROs (C28+)	**0.500**	**92.6**				

Our Lab I.D.		**323147**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**114**				

QUALITY CONTROL REPORT

QC Batch No: W1P-102214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**98**	**102**	**4.0**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **4**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W2G-101714

Our Lab I.D.		**323147**				
Client Sample I.D.		MW-2-GW				
Date Sampled		**10/15/2014**				
Date Prepared		**10/18/2014**				
Preparation Method						
Date Analyzed		**10/18/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**50.0**	**ND**				

Our Lab I.D.		**323147**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**92**				

QUALITY CONTROL REPORT

QC Batch No: W2G-101714

Analytes	MS % REC	MS DUP % REC	RPD %							
Benzene	**102**	**102**	**<1**							
Toluene	**94**	**93**	**1.1**							

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **5**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-101714

Our Lab I.D.		**323147**				
Client Sample I.D.		MW-2-GW				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/17/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Acetone	**5.00**	**ND**				
Benzene	**1.00**	**ND**				
Bromobenzene (Phenyl bromide)	**1.00**	**ND**				
Bromochloromethane (Chlorobromomethane)	**1.00**	**ND**				
Bromodichloromethane (Dichlorobromomethane)	**1.00**	**ND**				
Bromoform (Tribromomethane)	**5.00**	**ND**				
Bromomethane (Methyl bromide)	**3.00**	**ND**				
2-Butanone (MEK, Methyl ethyl ketone)	**5.00**	**ND**				
n-Butylbenzene	**1.00**	**ND**				
sec-Butylbenzene	**1.00**	**ND**				
tert-Butylbenzene	**1.00**	**ND**				
Carbon disulfide	**1.00**	**ND**				
Carbon tetrachloride (Tetrachloromethane)	**1.00**	**ND**				
Chlorobenzene	**1.00**	**ND**				
Chloroethane	**3.00**	**ND**				
2-Chloroethyl vinyl ether	**5.00**	**ND**				
Chloroform (Trichloromethane)	**1.00**	**1.95**				
Chloromethane (Methyl chloride)	**3.00**	**ND**				
4-Chlorotoluene (p-Chlorotoluene)	**1.00**	**ND**				
2-Chlorotoluene (o-Chlorotoluene)	**1.00**	**ND**				
1,2-Dibromo-3-chloropropane (DBCP)	**5.00**	**ND**				
Dibromochloromethane	**1.00**	**ND**				
1,2-Dibromoethane (EDB, Ethylene dibromide)	**1.00**	**ND**				
Dibromomethane	**1.00**	**ND**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**1.00**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**1.00**	**ND**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	**1.00**	**ND**				
Dichlorodifluoromethane	**3.00**	**ND**				
1,1-Dichloroethane	**1.00**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-101714

Our Lab I.D.		**323147**				
Client Sample I.D.		MW-2-GW				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/17/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
1,2-Dichloroethane	**1.00**	**ND**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**1.00**	**ND**				
cis-1,2-Dichloroethene	**1.00**	**ND**				
trans-1,2-Dichloroethene	**1.00**	**ND**				
1,2-Dichloropropane	**1.00**	**ND**				
1,3-Dichloropropane	**1.00**	**ND**				
2,2-Dichloropropane	**1.00**	**ND**				
1,1-Dichloropropene	**1.00**	**ND**				
cis-1,3-Dichloropropene	**1.00**	**ND**				
trans-1,3-Dichloropropene	**1.00**	**ND**				
Ethylbenzene	**1.00**	**ND**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**3.00**	**ND**				
2-Hexanone	**5.00**	**ND**				
Isopropylbenzene	**1.00**	**ND**				
p-Isopropyltoluene (4-Isopropyltoluene)	**1.00**	**ND**				
MTBE	**2.00**	**ND**				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**5.00**	**ND**				
Methylene chloride (Dichloromethane, DCM)	**5.00**	**ND**				
Naphthalene	**1.00**	**ND**				
n-Propylbenzene	**1.00**	**ND**				
Styrene	**1.00**	**ND**				
1,1,1,2-Tetrachloroethane	**1.00**	**ND**				
1,1,2,2-Tetrachloroethane	**1.00**	**ND**				
Tetrachloroethene (Tetrachloroethylene)	**1.00**	**9.73**				
Toluene (Methyl benzene)	**1.00**	**ND**				
1,2,3-Trichlorobenzene	**1.00**	**ND**				
1,2,4-Trichlorobenzene	**1.00**	**ND**				
1,1,1-Trichloroethane	**1.00**	**ND**				
1,1,2-Trichloroethane	**1.00**	**ND**				
Trichloroethene (TCE)	**1.00**	**2.20**				
Trichlorofluoromethane	**1.00**	**ND**				
1,2,3-Trichloropropane	**1.00**	**ND**				
1,2,4-Trimethylbenzene	**1.00**	**ND**				
1,3,5-Trimethylbenzene	**1.00**	**ND**				
Vinyl acetate	**5.00**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-101714

Our Lab I.D.		**323147**				
Client Sample I.D.		MW-2-GW				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/17/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Vinyl chloride (Chloroethene)	**3.00**	**ND**				
o-Xylene	**1.00**	**ND**				
m- & p-Xylenes	**2.00**	**ND**				

Our Lab I.D.		**323147**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**108**				
Dibromofluoromethane	**70-120**	**115**				
Toluene-d8	**70-120**	**102**				

QUALITY CONTROL REPORT

QC Batch No: W1B-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**105**	**104**	**<1**	**75-120**	**15**					
Chlorobenzene	**112**	**112**	**<1**	**75-120**	**15**					
1,1-Dichloroethene (1,1-Dichloroethylene)	**86**	**87**	**1.2**	**75-120**	**15**					
MTBE	**88**	**95**	**7.7**	**75-120**	**15**					
Toluene (Methyl benzene)	**111**	**111**	**<1**	**75-120**	**15**					
Trichloroethene (TCE)	**103**	**104**	**<1**	**75-120**	**15**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **8**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 101714-2

Our Lab I.D.		323129	323130	323131	323132	323133
Client Sample I.D.		EB1-1'	EB1-2'	EB1-5'	EB1-10'	EB2-1'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	293	141	1.37	15.0	683

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	94	104	10.1	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **9**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 101714-2

Our Lab I.D.		323134	323135	323136	323137	323138
Client Sample I.D.		EB2-2'	EB2-5'	EB2-10'	EB3-1'	EB3-2'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	1.49	1.34	2.72	21.8	1.52

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	94	104	10.1	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **10**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 101714-2

Our Lab I.D.		323139	323140	323141	323142	323143
Client Sample I.D.		EB3-5'	EB3-10'	MW-2-1'	MW-2-2'	MW-2-5'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	3.41	1.12	44.4	55.7	560

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	94	104	10.1	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **11**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 101714-3

Our Lab I.D.		**323144**	**323145**	**323146**		
Client Sample I.D.		MW-2-10'	MW-2-15'	MW-2-20'		
Date Sampled		**10/15/2014**	**10/15/2014**	**10/15/2014**		
Date Prepared		**10/17/2014**	**10/17/2014**	**10/17/2014**		
Preparation Method						
Date Analyzed		**10/17/2014**	**10/17/2014**	**10/17/2014**		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
ICP Metals						
Lead	**0.250**	**1.91**	**2.08**	**1.89**		

QUALITY CONTROL REPORT

QC Batch No: 101714-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	**93**	**104**	**10.8**	**80-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **12**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-101714

Our Lab I.D.		323141	323142	323143	323144	323145
Client Sample I.D.		MW-2-1'	MW-2-2'	MW-2-5'	MW-2-10'	MW-2-15'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/18/2014	10/18/2014	10/18/2014	10/18/2014	10/18/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		323141	323142	323143	323144	323145
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	93	102	100	98	100

QUALITY CONTROL REPORT

QC Batch No: S2P-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	96	2.1	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **13**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-101714

Our Lab I.D.		**323146**				
Client Sample I.D.		MW-2-20'				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/18/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**10.0**	**ND**				
TPH OROs (C28+)	**50.0**	**ND**				

Our Lab I.D.		**323146**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**99**				

QUALITY CONTROL REPORT

QC Batch No: S2P-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**98**	**96**	**2.1**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **14**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-102114

Our Lab I.D.		**323143**				
Client Sample I.D.		MW-2-5'				
Date Sampled		**10/15/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**500**	**ND**				

Our Lab I.D.		**323143**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**75**				

QUALITY CONTROL REPORT

QC Batch No: S1G-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**85**	**88**	**3.5**	**75-120**	**<20**					
Toluene	**80**	**83**	**3.7**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **15**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2G-101714

Our Lab I.D.		323141	323142	323144	323145	323146
Client Sample I.D.		MW-2-1'	MW-2-2'	MW-2-10'	MW-2-15'	MW-2-20'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/18/2014	10/18/2014	10/18/2014	10/18/2014	10/18/2014
Preparation Method						
Date Analyzed		10/18/2014	10/18/2014	10/18/2014	10/18/2014	10/18/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	ND

Our Lab I.D.		323141	323142	323144	323145	323146
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	71	72	80	81	78

QUALITY CONTROL REPORT

QC Batch No: S2G-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	104	105	<1	75-120	<20					
Toluene	94	93	1.1	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Allisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-101714

Our Lab I.D.		**323144**				
Client Sample I.D.		MW-2-10'				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/17/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Acetone	**50.0**	**ND**				
Benzene	**2.00**	**ND**				
Bromobenzene (Phenyl bromide)	**10.0**	**ND**				
Bromochloromethane (Chlorobromomethane)	**10.0**	**ND**				
Bromodichloromethane (Dichlorobromomethane)	**10.0**	**ND**				
Bromoform (Tribromomethane)	**50.0**	**ND**				
Bromomethane (Methyl bromide)	**30.0**	**ND**				
2-Butanone (MEK, Methyl ethyl ketone)	**50.0**	**ND**				
n-Butylbenzene	**10.0**	**ND**				
sec-Butylbenzene	**10.0**	**ND**				
tert-Butylbenzene	**10.0**	**ND**				
Carbon disulfide	**10.0**	**ND**				
Carbon tetrachloride (Tetrachloromethane)	**10.0**	**ND**				
Chlorobenzene	**10.0**	**ND**				
Chloroethane	**30.0**	**ND**				
2-Chloroethyl vinyl ether	**50.0**	**ND**				
Chloroform (Trichloromethane)	**10.0**	**ND**				
Chloromethane (Methyl chloride)	**30.0**	**ND**				
4-Chlorotoluene (p-Chlorotoluene)	**10.0**	**ND**				
2-Chlorotoluene (o-Chlorotoluene)	**10.0**	**ND**				
1,2-Dibromo-3-chloropropane (DBCP)	**50.0**	**ND**				
Dibromochloromethane	**10.0**	**ND**				
1,2-Dibromoethane (EDB, Ethylene dibromide)	**10.0**	**ND**				
Dibromomethane	**10.0**	**ND**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**10.0**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**10.0**	**ND**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	**10.0**	**ND**				
Dichlorodifluoromethane	**30.0**	**ND**				
1,1-Dichloroethane	**10.0**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-101714

Our Lab I.D.		**323144**				
Client Sample I.D.		MW-2-10'				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/17/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
1,2-Dichloroethane	**10.0**	**ND**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**10.0**	**ND**				
cis-1,2-Dichloroethene	**10.0**	**ND**				
trans-1,2-Dichloroethene	**10.0**	**ND**				
1,2-Dichloropropane	**10.0**	**ND**				
1,3-Dichloropropane	**10.0**	**ND**				
2,2-Dichloropropane	**10.0**	**ND**				
1,1-Dichloropropene	**10.0**	**ND**				
cis-1,3-Dichloropropene	**10.0**	**ND**				
trans-1,3-Dichloropropene	**10.0**	**ND**				
Ethylbenzene	**2.00**	**ND**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**30.0**	**ND**				
2-Hexanone	**50.0**	**ND**				
Isopropylbenzene	**10.0**	**ND**				
p-Isopropyltoluene (4-Isopropyltoluene)	**10.0**	**ND**				
MTBE	**5.00**	**ND**				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**50.0**	**ND**				
Methylene chloride (Dichloromethane, DCM)	**50.0**	**ND**				
Naphthalene	**10.0**	**ND**				
n-Propylbenzene	**10.0**	**ND**				
Styrene	**10.0**	**ND**				
1,1,1,2-Tetrachloroethane	**10.0**	**ND**				
1,1,2,2-Tetrachloroethane	**10.0**	**ND**				
Tetrachloroethene (Tetrachloroethylene)	**10.0**	**ND**				
Toluene (Methyl benzene)	**2.00**	**ND**				
1,2,3-Trichlorobenzene	**10.0**	**ND**				
1,2,4-Trichlorobenzene	**10.0**	**ND**				
1,1,1-Trichloroethane	**10.0**	**ND**				
1,1,2-Trichloroethane	**10.0**	**ND**				
Trichloroethene (TCE)	**10.0**	**ND**				
Trichlorofluoromethane	**10.0**	**ND**				
1,2,3-Trichloropropane	**10.0**	**ND**				
1,2,4-Trimethylbenzene	**10.0**	**ND**				
1,3,5-Trimethylbenzene	**10.0**	**ND**				
Vinyl acetate	**50.0**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62392	10/15/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-101714

Our Lab I.D.		**323144**				
Client Sample I.D.		MW-2-10'				
Date Sampled		**10/15/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/17/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Vinyl chloride (Chloroethene)	**30.0**	**ND**				
o-Xylene	**2.00**	**ND**				
m- & p-Xylenes	**4.00**	**ND**				

Our Lab I.D.		**323144**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**110**				
Dibromofluoromethane	**70-120**	**104**				
Toluene-d8	**70-120**	**103**				

QUALITY CONTROL REPORT

QC Batch No: S1B-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**103**	**103**	**<1**	**75-120**	**15**					
Chlorobenzene	**110**	**110**	**<1**	**75-120**	**15**					
1,1-Dichloroethene (1,1-Dichloroethylene)	**85**	**84**	**1.2**	**75-120**	**15**					
MTBE	**87**	**92**	**5.6**	**75-120**	**15**					
Toluene (Methyl benzene)	**109**	**109**	**<1**	**75-120**	**15**					
Trichloroethene (TCE)	**103**	**103**	**<1**	**75-120**	**15**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Chuck Houser

Number of Pages 6
Date Received 10/15/2014
Date Reported 10/22/2014

Job Number	Ordered	Client
62393	10/15/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial
San Diego

Enclosed are the results of analyses on 9 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № 60166 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 62393

CHAIN OF CUSTODY RECORD

Company: SCS Engineers		Report To: C. Houser - SCS	ANALYSIS REQUESTED
Address: 8799 Balboa #290	Project Name: Airborne America	Address:	Total Diesel, TPH extended range
San Diego CA 92123	Site Address: 1401 Imperial, San Diego	Invoice To:	
Telephone: 858-571-5500 Fax:		Address:	
Special Instruction:	Project ID: 01214209.00		
E-mail: chouser@scsengineers.com	Project Manager: Chuck Houser	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Total Diesel	TPH extended range	Remarks
	323148	T1-6"	10/15/14	11:18	2	Jar	Soil	Chill	X	X	
	323149	T1-1		11:17	2				X	X	
	323150	T1-2		11:20	2				X	X	
	323151	T1-5		11:43	2				X	X	
	323152	T1-7		11:55	2				X	X	
	323153	T2-1		13:11	1				X		
	323154	T2-2		13:15	1				X		
	323155	T2-5		13:22	1				X		
	323156	T2-8		13:30	1				X		

Collected By: Chuck Houser	Date 10/15/14	Time 13:55	Relinquished By:	Date	Time
Relinquished By:	Date 10/15/14	Time 13:55	Received For Laboratory:	Date 10-15-14	Time 14:05
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Chuck Houser

Site

1401 Imperial
San Diego

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62393	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 101714-3

Our Lab I.D.		323148	323149	323150	323151	323152
Client Sample I.D.		T1-6"	T1-1	T1-2	T1-5	T1-7
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	949	27.4	1.72	0.848	1.59

QUALITY CONTROL REPORT

QC Batch No: 101714-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	93	104	10.8	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Chuck Houser

Site

1401 Imperial
San Diego

Page: **3**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62393	10/15/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 101714-3

Our Lab I.D.		323153	323154	323155	323156	
Client Sample I.D.		T2-1	T2-2	T2-5	T2-8	
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Preparation Method						
Date Analyzed		10/22/2014	10/22/2014	10/22/2014	10/22/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
ICP Metals						
Lead	0.250	1110	2300	1.22	25.1	

QUALITY CONTROL REPORT

QC Batch No: 101714-3

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	93	104	10.8	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Chuck Houser

Site

1401 Imperial
San Diego

Page: **4**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62393	10/15/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2D-101714

Our Lab I.D.		323148	323149	323150	323151	323152
Client Sample I.D.		T1-6"	T1-1	T1-2	T1-5	T1-7
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/18/2014	10/18/2014	10/18/2014	10/18/2014	10/18/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	191	ND	ND	ND	ND

Our Lab I.D.		323148	323149	323150	323151	323152
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	94	103	97	96	103

QUALITY CONTROL REPORT

QC Batch No: S2D-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	99	99	<1	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Chuck Houser

Site

1401 Imperial
San Diego

Page: **5**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62393	10/15/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-101714

Our Lab I.D.		323149	323150	323151	323152	
Client Sample I.D.		T1-1	T1-2	T1-5	T1-7	
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Preparation Method						
Date Analyzed		10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	

Our Lab I.D.		323149	323150	323151	323152	
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	72	70	80	81	

QUALITY CONTROL REPORT

QC Batch No: S1G-101714

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	95	93	2.1	75-120	<20					
Toluene	94	88	6.6	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Chuck Houser

Site

1401 Imperial
San Diego

Page: **6**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62393	10/15/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-102114

Our Lab I.D.		**323148**				
Client Sample I.D.		T1-6"				
Date Sampled		**10/15/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**500**	**ND**				

Comment(s):
Low surrogate recovery due to matrix.

Our Lab I.D.		**323148**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**44**				

QUALITY CONTROL REPORT

QC Batch No: S1G-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**85**	**88**	**3.5**	**75-120**	**<20**					
Toluene	**80**	**83**	**3.7**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Alissa Barrow

Number of Pages 15
Date Received 10/16/2014
Date Reported 10/23/2014

Job Number	Ordered	Client
62409	10/16/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial Ave.
San Diego, CA

Enclosed are the results of analyses on 6 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# № 63797 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 62409

Company: SCS Engineers		Report To: Chuck Hauser & Alissa Barraw	ANALYSIS REQUESTED
Address: 8799 Balboa Ave, Ste 290	Project Name: Airborne America	Address: Same	Total Lead (6010B) / TPH extended / VOCs (8260)
San Diego, CA 92123	Site Address: 1401 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5500 Fax: 858-571-5357	San Diego, CA	Address: Same	
Special Instruction: 5 soil, 1 groundwater	Project ID: 01214209,00		
E-mail: chauser@scsengineers.com abarraw@SCSEngineers.com	Project Manager: Chuck Hauser	P.O.#: 01214209,00	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
	323219	MW-1-1'	10-16-14	10:00	1	Stainless steel sleeve	Soil	None	
	323220	MW-1-2'		10:00					
	323221	MW-1-5'		10:15					
		~~MW-1-10'~~							no sample
	323222	MW-1-15'		10:25					
	323223	MW-1-20'		10:38					
	323224	MW-1-GW			7	6-VOAs 1-500ml amber	Groundwater	VOAs-HCl Amber-none	

Collected By: Alissa Barraw	Date 10-16-14	Time 13:00	Relinquished By: Alissa Barraw	Date 10-16-14	Time 13:00
Relinquished By:	Date	Time	Received For Laboratory:	Date 10.16.14	Time 1305
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-102114

Our Lab I.D.		**323224**				
Client Sample I.D.		MW-1-GW				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Groundwater				
Units		mg/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**0.500**	**ND**				
TPH OROs (C28+)	**0.500**	**5.53**				

Our Lab I.D.		**323224**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**89**				

QUALITY CONTROL REPORT

QC Batch No: W1P-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**105**	**99**	**5.9**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **3**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1G-102014

Our Lab I.D.		**323224**				
Client Sample I.D.		MW-1-GW				
Date Sampled		**10/16/2014**				
Date Prepared		**10/20/2014**				
Preparation Method						
Date Analyzed		**10/20/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**50.0**	**ND**				

Our Lab I.D.		**323224**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**96**				

QUALITY CONTROL REPORT

QC Batch No: W1G-102014

Analytes	MS % REC	MS DUP % REC	RPD %							
Benzene	**82**	**82**	**<1**							
Toluene	**78**	**77**	**1.3**							

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **4**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102114

Our Lab I.D.		**323224**				
Client Sample I.D.		MW-1-GW				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Acetone	**5.00**	**ND**				
Benzene	**1.00**	**ND**				
Bromobenzene (Phenyl bromide)	**1.00**	**ND**				
Bromochloromethane (Chlorobromomethane)	**1.00**	**ND**				
Bromodichloromethane (Dichlorobromomethane)	**1.00**	**ND**				
Bromoform (Tribromomethane)	**5.00**	**ND**				
Bromomethane (Methyl bromide)	**3.00**	**ND**				
2-Butanone (MEK, Methyl ethyl ketone)	**5.00**	**ND**				
n-Butylbenzene	**1.00**	**ND**				
sec-Butylbenzene	**1.00**	**ND**				
tert-Butylbenzene	**1.00**	**ND**				
Carbon disulfide	**1.00**	**ND**				
Carbon tetrachloride (Tetrachloromethane)	**1.00**	**ND**				
Chlorobenzene	**1.00**	**ND**				
Chloroethane	**3.00**	**ND**				
2-Chloroethyl vinyl ether	**5.00**	**ND**				
Chloroform (Trichloromethane)	**1.00**	**ND**				
Chloromethane (Methyl chloride)	**3.00**	**ND**				
4-Chlorotoluene (p-Chlorotoluene)	**1.00**	**ND**				
2-Chlorotoluene (o-Chlorotoluene)	**1.00**	**ND**				
1,2-Dibromo-3-chloropropane (DBCP)	**5.00**	**ND**				
Dibromochloromethane	**1.00**	**ND**				
1,2-Dibromoethane (EDB, Ethylene dibromide)	**1.00**	**ND**				
Dibromomethane	**1.00**	**ND**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**1.00**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**1.00**	**ND**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	**1.00**	**ND**				
Dichlorodifluoromethane	**3.00**	**ND**				
1,1-Dichloroethane	**1.00**	**1.96**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102114

Our Lab I.D.		**323224**				
Client Sample I.D.		MW-1-GW				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
1,2-Dichloroethane	**1.00**	**ND**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**1.00**	**2.76**				
cis-1,2-Dichloroethene	**1.00**	**9.25**				
trans-1,2-Dichloroethene	**1.00**	**ND**				
1,2-Dichloropropane	**1.00**	**ND**				
1,3-Dichloropropane	**1.00**	**ND**				
2,2-Dichloropropane	**1.00**	**ND**				
1,1-Dichloropropene	**1.00**	**ND**				
cis-1,3-Dichloropropene	**1.00**	**ND**				
trans-1,3-Dichloropropene	**1.00**	**ND**				
Ethylbenzene	**1.00**	**ND**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**3.00**	**ND**				
2-Hexanone	**5.00**	**ND**				
Isopropylbenzene	**1.00**	**ND**				
p-Isopropyltoluene (4-Isopropyltoluene)	**1.00**	**ND**				
MTBE	**2.00**	**ND**				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**5.00**	**ND**				
Methylene chloride (Dichloromethane, DCM)	**5.00**	**ND**				
Naphthalene	**1.00**	**ND**				
n-Propylbenzene	**1.00**	**ND**				
Styrene	**1.00**	**ND**				
1,1,1,2-Tetrachloroethane	**1.00**	**ND**				
1,1,2,2-Tetrachloroethane	**1.00**	**ND**				
Tetrachloroethene (Tetrachloroethylene)	**1.00**	**99.0**				
Toluene (Methyl benzene)	**1.00**	**ND**				
1,2,3-Trichlorobenzene	**1.00**	**ND**				
1,2,4-Trichlorobenzene	**1.00**	**ND**				
1,1,1-Trichloroethane	**1.00**	**ND**				
1,1,2-Trichloroethane	**1.00**	**ND**				
Trichloroethene (TCE)	**1.00**	**24.5**				
Trichlorofluoromethane	**1.00**	**ND**				
1,2,3-Trichloropropane	**1.00**	**ND**				
1,2,4-Trimethylbenzene	**1.00**	**ND**				
1,3,5-Trimethylbenzene	**1.00**	**ND**				
Vinyl acetate	**5.00**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102114

Our Lab I.D.		**323224**				
Client Sample I.D.		MW-1-GW				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Vinyl chloride (Chloroethene)	**3.00**	**ND**				
o-Xylene	**1.00**	**ND**				
m- & p-Xylenes	**2.00**	**ND**				

Our Lab I.D.		**323224**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**112**				
Dibromofluoromethane	**70-120**	**101**				
Toluene-d8	**70-120**	**100**				

QUALITY CONTROL REPORT

QC Batch No: W1B-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**106**	**106**	**<1**	**75-120**	**15**					
Chlorobenzene	**111**	**110**	**<1**	**75-120**	**15**					
1,1-Dichloroethene (1,1-Dichloroethylene)	**94**	**92**	**2.2**	**75-120**	**15**					
MTBE	**102**	**103**	**<1**	**75-120**	**15**					
Toluene (Methyl benzene)	**109**	**109**	**<1**	**75-120**	**15**					
Trichloroethene (TCE)	**102**	**102**	**<1**	**75-120**	**15**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **7**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 102314-1

Our Lab I.D.		323219	323220	323221	323222	323223
Client Sample I.D.		MW-1-1'	MW-1-2'	MW-1-5'	MW-1-15'	MW-1-20'
Date Sampled		10/16/2014	10/16/2014	10/16/2014	10/16/2014	10/16/2014
Date Prepared		10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014
Preparation Method						
Date Analyzed		10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	268	43.3	2.23	68.6	29.7

QUALITY CONTROL REPORT

QC Batch No: 102314-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	93	101	8.4	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **8**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-102114

Our Lab I.D.		**323221**				
Client Sample I.D.		MW-1-5'				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**10.0**	**ND**				
TPH OROs (C28+)	**50.0**	**ND**				

Our Lab I.D.		**323221**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**93**				

QUALITY CONTROL REPORT

QC Batch No: S1D-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**99**	**96**	**3.1**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **9**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-102214

Our Lab I.D.		323219	323220			
Client Sample I.D.		MW-1-1'	MW-1-2'			
Date Sampled		10/16/2014	10/16/2014			
Date Prepared		10/21/2014	10/21/2014			
Preparation Method						
Date Analyzed		10/22/2014	10/22/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	798	1530			

Our Lab I.D.		323219	323220			
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**			
Surrogate Percent Recovery						
Chlorobenzene	70-120	98	98			

QUALITY CONTROL REPORT

QC Batch No: S1P-102214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	115	112	2.6	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **10**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2D-102114

Our Lab I.D.		323222	323223			
Client Sample I.D.		MW-1-15'	MW-1-20'			
Date Sampled		10/16/2014	10/16/2014			
Date Prepared		10/21/2014	10/21/2014			
Preparation Method						
Date Analyzed		10/22/2014	10/22/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	10.0	20.2	ND			
TPH OROs (C28+)	50.0	191	ND			

Our Lab I.D.		323222	323223			
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**			
Surrogate Percent Recovery						
Chlorobenzene	70-120	91	95			

QUALITY CONTROL REPORT

QC Batch No: S2D-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	102	101	<1	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **11**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-102014

Our Lab I.D.		323221	323222	323223		
Client Sample I.D.		MW-1-5'	MW-1-15'	MW-1-20'		
Date Sampled		10/16/2014	10/16/2014	10/16/2014		
Date Prepared		10/20/2014	10/20/2014	10/20/2014		
Preparation Method						
Date Analyzed		10/20/2014	10/20/2014	10/20/2014		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Our Lab I.D.		323221	323222	323223		
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	77	97	76		

QUALITY CONTROL REPORT

QC Batch No: S1G-102014

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	87	87	<1	75-120	<20					
Toluene	80	81	1.2	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **12**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-102114

Our Lab I.D.		323219	323220			
Client Sample I.D.		MW-1-1'	MW-1-2'			
Date Sampled		10/16/2014	10/16/2014			
Date Prepared		10/21/2014	10/21/2014			
Preparation Method						
Date Analyzed		10/21/2014	10/21/2014			
Matrix		Soil	Soil			
Units		ug/kg	ug/kg			
Dilution Factor		1	1			
Analytes	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	500	ND	ND			

Comment(s):
323220: Low surrogate recovery due to matrix.

Our Lab I.D.		323219	323220			
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	70	55			

QUALITY CONTROL REPORT

QC Batch No: S1G-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	85	88	3.5	75-120	<20					
Toluene	80	83	3.7	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **13**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102114

Our Lab I.D.		**323222**				
Client Sample I.D.		MW-1-15'				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Acetone	**50.0**	**ND**				
Benzene	**2.00**	**ND**				
Bromobenzene (Phenyl bromide)	**10.0**	**ND**				
Bromochloromethane (Chlorobromomethane)	**10.0**	**ND**				
Bromodichloromethane (Dichlorobromomethane)	**10.0**	**ND**				
Bromoform (Tribromomethane)	**50.0**	**ND**				
Bromomethane (Methyl bromide)	**30.0**	**ND**				
2-Butanone (MEK, Methyl ethyl ketone)	**50.0**	**ND**				
n-Butylbenzene	**10.0**	**ND**				
sec-Butylbenzene	**10.0**	**ND**				
tert-Butylbenzene	**10.0**	**ND**				
Carbon disulfide	**10.0**	**ND**				
Carbon tetrachloride (Tetrachloromethane)	**10.0**	**ND**				
Chlorobenzene	**10.0**	**ND**				
Chloroethane	**30.0**	**ND**				
2-Chloroethyl vinyl ether	**50.0**	**ND**				
Chloroform (Trichloromethane)	**10.0**	**ND**				
Chloromethane (Methyl chloride)	**30.0**	**ND**				
4-Chlorotoluene (p-Chlorotoluene)	**10.0**	**ND**				
2-Chlorotoluene (o-Chlorotoluene)	**10.0**	**ND**				
1,2-Dibromo-3-chloropropane (DBCP)	**50.0**	**ND**				
Dibromochloromethane	**10.0**	**ND**				
1,2-Dibromoethane (EDB, Ethylene dibromide)	**10.0**	**ND**				
Dibromomethane	**10.0**	**ND**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**10.0**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**10.0**	**ND**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	**10.0**	**ND**				
Dichlorodifluoromethane	**30.0**	**ND**				
1,1-Dichloroethane	**10.0**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102114

Our Lab I.D.		**323222**				
Client Sample I.D.		MW-1-15'				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
1,2-Dichloroethane	**10.0**	**ND**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**10.0**	**ND**				
cis-1,2-Dichloroethene	**10.0**	**ND**				
trans-1,2-Dichloroethene	**10.0**	**ND**				
1,2-Dichloropropane	**10.0**	**ND**				
1,3-Dichloropropane	**10.0**	**ND**				
2,2-Dichloropropane	**10.0**	**ND**				
1,1-Dichloropropene	**10.0**	**ND**				
cis-1,3-Dichloropropene	**10.0**	**ND**				
trans-1,3-Dichloropropene	**10.0**	**ND**				
Ethylbenzene	**2.00**	**ND**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**30.0**	**ND**				
2-Hexanone	**50.0**	**ND**				
Isopropylbenzene	**10.0**	**ND**				
p-Isopropyltoluene (4-Isopropyltoluene)	**10.0**	**ND**				
MTBE	**5.00**	**ND**				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**50.0**	**ND**				
Methylene chloride (Dichloromethane, DCM)	**50.0**	**ND**				
Naphthalene	**10.0**	**ND**				
n-Propylbenzene	**10.0**	**ND**				
Styrene	**10.0**	**ND**				
1,1,1,2-Tetrachloroethane	**10.0**	**ND**				
1,1,2,2-Tetrachloroethane	**10.0**	**ND**				
Tetrachloroethene (Tetrachloroethylene)	**10.0**	**39.4**				
Toluene (Methyl benzene)	**2.00**	**ND**				
1,2,3-Trichlorobenzene	**10.0**	**ND**				
1,2,4-Trichlorobenzene	**10.0**	**ND**				
1,1,1-Trichloroethane	**10.0**	**ND**				
1,1,2-Trichloroethane	**10.0**	**ND**				
Trichloroethene (TCE)	**10.0**	**ND**				
Trichlorofluoromethane	**10.0**	**ND**				
1,2,3-Trichloropropane	**10.0**	**ND**				
1,2,4-Trimethylbenzene	**10.0**	**ND**				
1,3,5-Trimethylbenzene	**10.0**	**ND**				
Vinyl acetate	**50.0**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62409	10/16/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102114

Our Lab I.D.		**323222**				
Client Sample I.D.		MW-1-15'				
Date Sampled		**10/16/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Vinyl chloride (Chloroethene)	**30.0**	**ND**				
o-Xylene	**2.00**	**ND**				
m- & p-Xylenes	**4.00**	**ND**				

Comment(s):
High surrogate recovery due to matrix.

Our Lab I.D.		**323222**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**130**				
Dibromofluoromethane	**70-120**	**101**				
Toluene-d8	**70-120**	**97**				

QUALITY CONTROL REPORT

QC Batch No: W1B-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**106**	**106**	**<1**	**75-120**	**15**					
Chlorobenzene	**111**	**110**	**<1**	**75-120**	**15**					
1,1-Dichloroethene (1,1-Dichloroethylene)	**94**	**92**	**2.2**	**75-120**	**15**					
MTBE	**102**	**103**	**<1**	**75-120**	**15**					
Toluene (Methyl benzene)	**109**	**109**	**<1**	**75-120**	**15**					
Trichloroethene (TCE)	**102**	**102**	**<1**	**75-120**	**15**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Alissa Barrow

Number of Pages 3
Date Received 10/16/2014
Date Reported 10/23/2014

Job Number	Ordered	Client
62410	10/16/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial Ave.
San Diego, CA

Enclosed are the results of analyses on 6 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 1 Of ____

COC# **№ 60167** GLOBAL ID ____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 62410

Company: SCS Engineers		Report To: Alissa Barrowe Chuck Houser	ANALYSIS REQUESTED
Address: 8799 Balboa Ave, Ste 290	Project Name: Airborne America	Address: Same	
San Diego, CA 92123	Site Address: 1401 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5500 Fax: 858-571-5357	San Diego, CA	Address: Same	
Special Instruction:	Project ID: 012142 09.00		
E-mail: abarrowe@scsengineers.com chouser@scsengineers.com	Project Manager: Chuck Houser	P.O.#: 012142 09.00	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Total Lead	Remarks
	323225	T4-1	10/16/14	8:25	1	6 Glass Jar	Soil	Chill	X	
	323226	T4-2		8:40	1				X	
	323227	T4-3		8:45	1				X	
	323228	T4-5		8:55	1				X	
	323229	T4-6.5		8:58	1				X	
	323230	T4-8	↓	9:00	1				X	

CHAIN OF CUSTODY RECORD

Collected By: Chuck Houser	Date 10/16/14	Time 9:15	Relinquished By:	Date	Time
Relinquished By:	Date 10/16/14	Time 9:15	Received For Laboratory:	Date 10/16/14	Time 1300
Received By: Alissa Barrowe	Date 10/16/14	Time 9:15	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62410	10/16/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 102314-1

Our Lab I.D.		323225	323226	323227	323228	323229
Client Sample I.D.		T4-1	T4-2	T4-3	T4-5	T4-6.5
Date Sampled		10/16/2014	10/16/2014	10/16/2014	10/16/2014	10/16/2014
Date Prepared		10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014
Preparation Method						
Date Analyzed		10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	439	568	98.0	5.98	0.694

QUALITY CONTROL REPORT

QC Batch No: 102314-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	93	101	8.4	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **3**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62410	10/16/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 102314-1

Our Lab I.D.		**323230**				
Client Sample I.D.		T4-8				
Date Sampled		**10/16/2014**				
Date Prepared		**10/23/2014**				
Preparation Method						
Date Analyzed		**10/23/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
ICP Metals						
Lead	**0.250**	**0.941**				

QUALITY CONTROL REPORT

QC Batch No: 102314-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	**93**	**101**	**8.4**	**80-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Alissa Barrow

Number of Pages 16
Date Received 10/17/2014
Date Reported 10/24/2014

Job Number	Ordered	Client
62435	10/17/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial Ave.
San Diego, CA

Enclosed are the results of analyses on 7 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 1 Of ____

COC# Nº 63805 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 62435

Company: SCS Engineers		Report To: Chuck Hauser, Alissa Barrow	ANALYSIS REQUESTED
Address: 8799 Balboa Ave, ste 290	Project Name: ~~Airborne America~~	Address: Same	
San Diego, CA 92123	Site Address: 1401 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5500 Fax: 858-571-5357	San Diego, CA	Address: same	
Special Instruction:	Project ID: 01214209.00		
E-mail: chauser@scsengineers.com abarrow@scsengineers.com	Project Manager: Chuck Hauser	P.O.#: 01214209.00	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Total Lead (6010B)	TPH Extended	VOCs (8260)	Remarks
	323326	EB4-1'	10-17-14	8:23	1	Stainless steel sleeve	Soil	None	X	X		
	323327	EB4-2'		8:23					X	X		
	323328	EB4-5'		8:30					X	X		
	323329	EB4-10'		8:40					X	X	X	
	323330	EB4-20'		8:45					X	X		
	323331	EB4a-15'		9:45					X	X		
	323332	EB4-GW		9:10	7	6-VOAs 1-500ml amber	groundwater	VOAs: HCl Amber: None		X	X	

Collected By: Alissa Barrow	Date 10-17-14	Time 11:15	Relinquished By: Alissa Barrow	Date 10-17-14	Time
Relinquished By:	Date	Time	Received For Laboratory:	Date 10/17/14	Time 11:15
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-102114

Our Lab I.D.		**323332**				
Client Sample I.D.		EB4-GW				
Date Sampled		**10/17/2014**				
Date Prepared		**10/21/2014**				
Preparation Method						
Date Analyzed		**10/21/2014**				
Matrix		Groundwater				
Units		mg/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**0.500**	**ND**				
TPH OROs (C28+)	**0.500**	**ND**				

Our Lab I.D.		**323332**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**116**				

QUALITY CONTROL REPORT

QC Batch No: W1P-102114

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**105**	**99**	**5.9**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **3**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1G-102214

Our Lab I.D.		**323332**				
Client Sample I.D.		EB4-GW				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/22/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**50.0**	**363**				

Our Lab I.D.		**323332**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**101**				

QUALITY CONTROL REPORT

QC Batch No: W1G-102214

Analytes	MS % REC	MS DUP % REC	RPD %							
Benzene	**86**	**91**	**5.6**							
Toluene	**84**	**84**	**<1**							

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **4**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102414

Our Lab I.D.		**323332**				
Client Sample I.D.		EB4-GW				
Date Sampled		**10/17/2014**				
Date Prepared		**10/24/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Acetone	**5.00**	**ND**				
Benzene	**1.00**	**ND**				
Bromobenzene (Phenyl bromide)	**1.00**	**ND**				
Bromochloromethane (Chlorobromomethane)	**1.00**	**ND**				
Bromodichloromethane (Dichlorobromomethane)	**1.00**	**ND**				
Bromoform (Tribromomethane)	**5.00**	**ND**				
Bromomethane (Methyl bromide)	**3.00**	**ND**				
2-Butanone (MEK, Methyl ethyl ketone)	**5.00**	**ND**				
n-Butylbenzene	**1.00**	**1.62**				
sec-Butylbenzene	**1.00**	**4.02**				
tert-Butylbenzene	**1.00**	**ND**				
Carbon disulfide	**1.00**	**ND**				
Carbon tetrachloride (Tetrachloromethane)	**1.00**	**ND**				
Chlorobenzene	**1.00**	**ND**				
Chloroethane	**3.00**	**ND**				
2-Chloroethyl vinyl ether	**5.00**	**ND**				
Chloroform (Trichloromethane)	**1.00**	**ND**				
Chloromethane (Methyl chloride)	**3.00**	**ND**				
4-Chlorotoluene (p-Chlorotoluene)	**1.00**	**ND**				
2-Chlorotoluene (o-Chlorotoluene)	**1.00**	**ND**				
1,2-Dibromo-3-chloropropane (DBCP)	**5.00**	**ND**				
Dibromochloromethane	**1.00**	**ND**				
1,2-Dibromoethane (EDB, Ethylene dibromide)	**1.00**	**ND**				
Dibromomethane	**1.00**	**ND**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**1.00**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**1.00**	**ND**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	**1.00**	**ND**				
Dichlorodifluoromethane	**3.00**	**ND**				
1,1-Dichloroethane	**1.00**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102414

Our Lab I.D.		**323332**				
Client Sample I.D.		EB4-GW				
Date Sampled		**10/17/2014**				
Date Prepared		**10/24/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
1,2-Dichloroethane	**1.00**	**ND**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**1.00**	**ND**				
cis-1,2-Dichloroethene	**1.00**	**3.49**				
trans-1,2-Dichloroethene	**1.00**	**ND**				
1,2-Dichloropropane	**1.00**	**ND**				
1,3-Dichloropropane	**1.00**	**ND**				
2,2-Dichloropropane	**1.00**	**ND**				
1,1-Dichloropropene	**1.00**	**ND**				
cis-1,3-Dichloropropene	**1.00**	**ND**				
trans-1,3-Dichloropropene	**1.00**	**ND**				
Ethylbenzene	**1.00**	**1.16**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**3.00**	**ND**				
2-Hexanone	**5.00**	**ND**				
Isopropylbenzene	**1.00**	**ND**				
p-Isopropyltoluene (4-Isopropyltoluene)	**1.00**	**ND**				
MTBE	**2.00**	**ND**				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**5.00**	**ND**				
Methylene chloride (Dichloromethane, DCM)	**5.00**	**ND**				
Naphthalene	**1.00**	**ND**				
n-Propylbenzene	**1.00**	**10.5**				
Styrene	**1.00**	**ND**				
1,1,1,2-Tetrachloroethane	**1.00**	**ND**				
1,1,2,2-Tetrachloroethane	**1.00**	**ND**				
Tetrachloroethene (Tetrachloroethylene)	**1.00**	**32.2**				
Toluene (Methyl benzene)	**1.00**	**ND**				
1,2,3-Trichlorobenzene	**1.00**	**ND**				
1,2,4-Trichlorobenzene	**1.00**	**ND**				
1,1,1-Trichloroethane	**1.00**	**ND**				
1,1,2-Trichloroethane	**1.00**	**ND**				
Trichloroethene (TCE)	**1.00**	**9.00**				
Trichlorofluoromethane	**1.00**	**ND**				
1,2,3-Trichloropropane	**1.00**	**ND**				
1,2,4-Trimethylbenzene	**1.00**	**ND**				
1,3,5-Trimethylbenzene	**1.00**	**ND**				
Vinyl acetate	**5.00**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-102414

Our Lab I.D.		**323332**				
Client Sample I.D.		EB4-GW				
Date Sampled		**10/17/2014**				
Date Prepared		**10/24/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Groundwater				
Units		ug/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Vinyl chloride (Chloroethene)	**3.00**	**ND**				
o-Xylene	**1.00**	**1.97**				
m- & p-Xylenes	**2.00**	**6.03**				

Our Lab I.D.		**323332**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**83**				
Dibromofluoromethane	**70-120**	**92**				
Toluene-d8	**70-120**	**86**				

QUALITY CONTROL REPORT

QC Batch No: W1B-102414

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**93**	**90**	**3.3**	**75-120**	**15**					
Chlorobenzene	**105**	**101**	**3.9**	**75-120**	**15**					
1,1-Dichloroethene (1,1-Dichloroethylene)	**80**	**79**	**1.3**	**75-120**	**15**					
MTBE	**85**	**86**	**1.2**	**75-120**	**15**					
Toluene (Methyl benzene)	**104**	**101**	**2.9**	**75-120**	**15**					
Trichloroethene (TCE)	**94**	**92**	**2.2**	**75-120**	**15**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **7**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 102414-1

Our Lab I.D.		323326	323327	323328	323329	323330
Client Sample I.D.		EB4-1'	EB4-2'	EB4-5'	EB4-10'	EB4-20'
Date Sampled		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Date Prepared		10/24/2014	10/24/2014	10/24/2014	10/24/2014	10/24/2014
Preparation Method						
Date Analyzed		10/24/2014	10/24/2014	10/24/2014	10/24/2014	10/24/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead	0.250	1.81	1.16	35.9	114	1.31

QUALITY CONTROL REPORT

QC Batch No: 102414-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	93	101	8.4	80-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **8**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 6010B, Lead (ICP)

QC Batch No: 102414-1

Our Lab I.D.		**323331**				
Client Sample I.D.		EB4a-15'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/24/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
ICP Metals						
Lead	**0.250**	**7.77**				

QUALITY CONTROL REPORT

QC Batch No: 102414-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead	**93**	**101**	**8.4**	**80-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **9**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-102214

Our Lab I.D.		**323326**				
Client Sample I.D.		EB4-1'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/22/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**10.0**	**ND**				
TPH OROs (C28+)	**50.0**	**ND**				

Our Lab I.D.		**323326**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**99**				

QUALITY CONTROL REPORT

QC Batch No: S1P-102214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**98**	**102**	**4.0**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **10**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-102214

Our Lab I.D.		323327	323328	323330	323331	
Client Sample I.D.		EB4-2'	EB4-5'	EB4-20'	EB4a-15'	
Date Sampled		10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Date Prepared		10/22/2014	10/22/2014	10/22/2014	10/22/2014	
Preparation Method						
Date Analyzed		10/23/2014	10/23/2014	10/23/2014	10/23/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	
TPH OROs (C28+)	50.0	ND	504	ND	ND	

Our Lab I.D.		323327	323328	323330	323331	
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	93	96	96	97	

QUALITY CONTROL REPORT

QC Batch No: S2P-102214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	96	103	7.0	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **11**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-102314

Our Lab I.D.		**323329**				
Client Sample I.D.		EB4-10'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		4				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**40.0**	**4090**				
TPH OROs (C28+)	**200**	**2440**				

Our Lab I.D.		**323329**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**91**				

QUALITY CONTROL REPORT

QC Batch No: S2P-102314

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	**98**	**97**	**1.0**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **12**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-102214

Our Lab I.D.		323326	323327	323328	323330	323331
Client Sample I.D.		EB4-1'	EB4-2'	EB4-5'	EB4-20'	EB4a-15'
Date Sampled		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Date Prepared		10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014
Preparation Method						
Date Analyzed		10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	ND

Our Lab I.D.		323326	323327	323328	323330	323331
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	83	83	74	84	75

QUALITY CONTROL REPORT

QC Batch No: S1G-102214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	84	81	3.6	75-120	<20					
Toluene	81	80	1.2	75-120	<20					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **13**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1G-102214

Our Lab I.D.		**323329**				
Client Sample I.D.		EB4-10'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/22/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		10				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**5000**	**285000**				

Our Lab I.D.		**323329**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**95**				

QUALITY CONTROL REPORT

QC Batch No: S1G-102214

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**84**	**81**	**3.6**	**75-120**	**<20**					
Toluene	**81**	**80**	**1.2**	**75-120**	**<20**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **14**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-102314

Our Lab I.D.		**323329**				
Client Sample I.D.		EB4-10'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		10				
Analytes	**PQL**	**Results**				
Acetone	**500**	**ND**				
Benzene	**20.0**	**ND**				
Bromobenzene (Phenyl bromide)	**100**	**ND**				
Bromochloromethane (Chlorobromomethane)	**100**	**ND**				
Bromodichloromethane (Dichlorobromomethane)	**100**	**ND**				
Bromoform (Tribromomethane)	**500**	**ND**				
Bromomethane (Methyl bromide)	**300**	**ND**				
2-Butanone (MEK, Methyl ethyl ketone)	**500**	**ND**				
n-Butylbenzene	**100**	**930**				
sec-Butylbenzene	**100**	**1390**				
tert-Butylbenzene	**100**	**ND**				
Carbon disulfide	**100**	**ND**				
Carbon tetrachloride (Tetrachloromethane)	**100**	**ND**				
Chlorobenzene	**100**	**ND**				
Chloroethane	**300**	**ND**				
2-Chloroethyl vinyl ether	**500**	**ND**				
Chloroform (Trichloromethane)	**100**	**ND**				
Chloromethane (Methyl chloride)	**300**	**ND**				
4-Chlorotoluene (p-Chlorotoluene)	**100**	**ND**				
2-Chlorotoluene (o-Chlorotoluene)	**100**	**ND**				
1,2-Dibromo-3-chloropropane (DBCP)	**500**	**ND**				
Dibromochloromethane	**100**	**ND**				
1,2-Dibromoethane (EDB, Ethylene dibromide)	**100**	**ND**				
Dibromomethane	**100**	**ND**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**100**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**100**	**ND**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	**100**	**ND**				
Dichlorodifluoromethane	**300**	**ND**				
1,1-Dichloroethane	**100**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-102314

Our Lab I.D.		**323329**				
Client Sample I.D.		EB4-10'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		10				
Analytes	**PQL**	**Results**				
1,2-Dichloroethane	**100**	**ND**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**100**	**ND**				
cis-1,2-Dichloroethene	**100**	**ND**				
trans-1,2-Dichloroethene	**100**	**ND**				
1,2-Dichloropropane	**100**	**ND**				
1,3-Dichloropropane	**100**	**ND**				
2,2-Dichloropropane	**100**	**ND**				
1,1-Dichloropropene	**100**	**ND**				
cis-1,3-Dichloropropene	**100**	**ND**				
trans-1,3-Dichloropropene	**100**	**ND**				
Ethylbenzene	**20.0**	**101**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**300**	**ND**				
2-Hexanone	**500**	**ND**				
Isopropylbenzene	**100**	**1270**				
p-Isopropyltoluene (4-Isopropyltoluene)	**100**	**ND**				
MTBE	**50.0**	**ND**				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**500**	**ND**				
Methylene chloride (Dichloromethane, DCM)	**500**	**ND**				
Naphthalene	**100**	**ND**				
n-Propylbenzene	**100**	**2580**				
Styrene	**100**	**ND**				
1,1,1,2-Tetrachloroethane	**100**	**ND**				
1,1,2,2-Tetrachloroethane	**100**	**ND**				
Tetrachloroethene (Tetrachloroethylene)	**100**	**ND**				
Toluene (Methyl benzene)	**20.0**	**ND**				
1,2,3-Trichlorobenzene	**100**	**ND**				
1,2,4-Trichlorobenzene	**100**	**ND**				
1,1,1-Trichloroethane	**100**	**ND**				
1,1,2-Trichloroethane	**100**	**ND**				
Trichloroethene (TCE)	**100**	**ND**				
Trichlorofluoromethane	**100**	**ND**				
1,2,3-Trichloropropane	**100**	**ND**				
1,2,4-Trimethylbenzene	**100**	**125**				
1,3,5-Trimethylbenzene	**100**	**ND**				
Vinyl acetate	**500**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62435	10/17/2014	SCS

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-102314

Our Lab I.D.		**323329**				
Client Sample I.D.		EB4-10'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/22/2014**				
Preparation Method						
Date Analyzed		**10/24/2014**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		10				
Analytes	**PQL**	**Results**				
Vinyl chloride (Chloroethene)	**300**	**ND**				
o-Xylene	**20.0**	**119**				
m- & p-Xylenes	**40.0**	**520**				

Comment(s):
High surrogate recovery due to matrix.

Our Lab I.D.		**323329**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**75**				
Dibromofluoromethane	**70-120**	**123**				
Toluene-d8	**70-120**	**89**				

QUALITY CONTROL REPORT

QC Batch No: S2B-102314

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	**96**	**95**	**1.0**	**75-120**	**15**					
Chlorobenzene	**106**	**106**	**<1**	**75-120**	**15**					
1,1-Dichloroethene (1,1-Dichloroethylene)	**83**	**84**	**1.2**	**75-120**	**15**					
MTBE	**86**	**90**	**4.5**	**75-120**	**15**					
Toluene (Methyl benzene)	**106**	**106**	**<1**	**75-120**	**15**					
Trichloroethene (TCE)	**95**	**95**	**<1**	**75-120**	**15**					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Alissa Barrow

Number of Pages 5
Date Received 10/15/2014
Date Reported 11/05/2014

Job Number	Ordered	Client
62519	10/28/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial Ave.
San Diego, CA

Enclosed are the results of analyses on 6 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Additional Request (10/28/14) page 1 of 4
Normal TAT, Due: (11/5/14)

COC# Nº 60164 GLOBAL ID ______ E REPORT: ☒ PDF ☐ EDF ☐ EDD

NEW JOB # 62519
ASL JOB# 62392

Company: SCS Engineers	Report To:
Address: 3799 Balboa Ave Ste 290, San Diego, CA 92123	Project Name: Airborne America
Telephone: 858-571-5500	Site Address: 14101 Imperial Ave, San Diego, CA
Fax: 858-571-5357	Address: Same
Special Instruction:	Invoice To: Same
E-mail:	Address: Same
Project ID: 01214209.00	P.O.#: 01214209.00
Project Manager: Chuck Houser	

ANALYSIS REQUESTED: Title 22 Metals

ITEM	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	(Analysis 1)	Title 22 Metals	Remarks
	323129	EB1-1'	10-15-14	9:17	1	Stainless Steel Sleeve	Soil	None	X	X	① 323752
	323130	EB1-2	↓	9:17	1	↓	↓	↓	X		
	323131	EB1-5		9:25	1				X		
	323132	EB1-10		9:28	1				X		
	323133	EB2-1'		10:10	1				X	X	② 323753
	323134	EB2-2		10:10	1				X		
	323135	EB2-5		10:17	1				X		
	323136	EB2-10'		10:22	1				X		
	323137	EB3-1'		11:08	1				X	X	③ 323754
	323138	EB3-2'		11:08	1				X		

Collected By:	Date 10-15-14	Time	Relinquished By:	Date 10-15-14 Time
Relinquished By:	Date	Time	Received For Laboratory	Date 10-15-14 Time
Received By:	Date	Time	Condition of Sample:	

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

page 294

Page 2 Of 2

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

ADL

NEW JOB # 62519

COC# Nº 63804 GLOBAL ID _____ E REPORT: ☒ PDF ☒ EDF ☐ EDD ASL JOB# 62392

Company: SLS Engineers		Report To:	
Address:	Project Name: Airborne America	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction:	Project ID: 012412.09.00		
E-mail:	Project Manager:	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH Extended	Total Lead (6010)	VOCs 8260	T-4Cs 22 Metals								New ID	Remarks
	323139	EB3-5'	10.15.11	11:12	1	Stainless Steel Sleeve	Soil	None		X											
	323140	EB3-10'		11:17						X											
	323141	MW-2-1'		12:10					X	X											
	323142	MW-2-2'		12:10					X	X											
	323143	MW-2-5'		12:15					X	X			X						(4)	323755	
	323144	MW-2-10'		12:50					X	X	X	X									
	323145	MW-2-15'		12:54					X	X											
	323146	MW-2-20'		12:58					X	X											
	323147	MW-2-GW		13:30	7	6 VOAs 1-500 mL amber	Extracted	VOAs HCl preserved	X	X	X										

Collected By: [illegible]	Date 10-15-11	Time	Relinquished By: [illegible]	Date 10-15-11	Time 2:00
Relinquished By:	Date	Time	Received For Laboratory [illegible]	Date 10-15-11	Time 1600
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № 63797 GLOBAL ID ______ E REPORT: ☒ PDF ☐ EDF ☐ EDD

NEW JOB # 62519
ASL JOB# 62409

Company: SCS Engineers		Report To: Chuck Houser / Alissa Bacani	
Address: [illegible] Balboa Ave, Ste 290	Project Name: Airborne America	Address: Same	
San Diego, CA 92123	Site Address: 1401 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5500 Fax: 858-571-5357	San Diego, CA	Address: Same	
Special Instruction: 5 soil, 1 groundwater	Project ID: 01214209.00		
E-mail: [illegible]@scsengineers.com; abacani@scsengineers.com	Project Manager: Chuck Houser	P.O.#: 01214209.00	

ANALYSIS REQUESTED: Total Lead (6010); TPH ext. [illegible]; VOCs (8260); Title 22 Metals

ITEM	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Total Lead (6010)	TPH ext	VOCs (8260)	Title 22 Metals	Remarks
	323219	MW-1-1'	10-6-14	10:00	1	Stainless Steel Sleeve	Soil	None	X	X		X	(5) 323956
	323220	MW-1-2'	|	10:00	|	|	|	|	X	X			
	323221	MW-1-5'	|	10:15	|	|	|	|	X	X			
		~~MW-1-10'~~	|		|	|	|	|	X	X			No sample
	323222	MW-1-15'	|	10:25	|	|	|	|	X	X	X		
	323223	MW-1-20'	|	10:38	|	|	|	|	X	X			
	323224	MW-1-GW	|		7	6-VOAs 1-amber	Groundwater	VOAs-HCl Amber-none		X	X		

New I.D.

Collected By: [signature]	Date 10-6-14	Time 13:00	Relinquished By: [signature]	Date 10-6-14	Time 13:00
Relinquished By:	Date	Time	Received For Laboratory [signature]	Date 10-6-14	Time 13:05
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

page 494

Page 1 Of ____

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB # 62519

COC# No 63805 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 62435

Company: SCS Engineers		Report To: Chris Houser, Alicia Barrow	ANALYSIS REQUESTED
Address: 3799 Balboa Ave ste 290	Project Name: Airborne America	Address: Same	
San Diego, CA 92123	Site Address: 1101 Imperial Ave	Invoice To: Same	
Telephone: 858-271-5220 Fax: 858-571-5357	San Diego, CA	Address: Same	
Special Instruction:	Project ID: 01214209.00		
E-mail: abarrow@scsengineers.com	Project Manager: Chris Houser	P.O.#: 01214209.00	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Total Lead (Facility)	TPH Extended	Vapor 60	Title 22 metals								New I.D.	Remarks
	323326	EB4-1'	10-17-14	7:23	1	8oz glass Jar clear	Soil	None	X	X											
	323327	EB4-2'		7:23					X	X											
	323328	EB4-5'		7:30					X	X											
	323329	EB4-10'		7:40					X	X	X	X								⑥	323757
	323330	EB4-20'		8:45					X	X											
	323331	EB4a-15'		9:45					X	X											
	323332	EB4-GW		9:10	7	40 VOAs 1 500ml amber	Groundwater	HCl - pH<2 Amber glass		X	X										

Collected By: Alicia Barrow	Date 10-17-14	Time 1:15	Relinquished By:	Date 10-17-14	Time
Relinquished By:	Date	Time	Received For Laboratory	Date 10-17-14	Time 1:15
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62519	10/15/2014	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 101714-2

Our Lab I.D.		323752	323753	323754	323755	323756
Client Sample I.D.		EB1-1'	EB2-1'	EB3-1'	MW-2-5'	MW-1-1'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/16/2014
Date Prepared		10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Preparation Method						
Date Analyzed		10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	0.326	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	17.4	ND	ND	2.70
Arsenic	0.250	4.35	6.65	0.486	0.973	1.84
Barium	0.500	112	202	51.5	39.2	114
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.28	9.41	2.12	0.850	2.93
Chromium	0.500	24.3	13.4	10.0	5.13	14.4
Cobalt	0.500	4.00	5.57	2.21	2.32	3.77
Copper	0.500	21.2	173	29.5	13.9	100
Lead	0.250	293	683	21.8	560	268
Molybdenum	0.500	1.73	0.849	2.22	ND	1.23
Nickel	0.500	10.5	14.6	4.56	3.80	16.7
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	19.9	27.1	13.6	15.5	23.4
Zinc	0.500	144	11100	66.6	250	680

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	87	80-120								
ICP Metals										
Antimony	94	80-120								
Arsenic	91	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62519	10/15/2014	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**102**	**80-120**								
Beryllium	**99**	**80-120**								
Cadmium	**93**	**80-120**								
Chromium	**91**	**80-120**								
Cobalt	**93**	**80-120**								
Copper	**94**	**80-120**								
Lead	**94**	**80-120**								
Molybdenum	**91**	**80-120**								
Nickel	**93**	**80-120**								
Selenium	**92**	**80-120**								
Silver	**98**	**80-120**								
Thallium	**95**	**80-120**								
Vanadium	**91**	**80-120**								
Zinc	**97**	**80-120**								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alissa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **4**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62519	10/15/2014	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 101714-2

Our Lab I.D.		**323757**				
Client Sample I.D.		EB4-10'				
Date Sampled		**10/17/2014**				
Date Prepared		**10/17/2014**				
Preparation Method						
Date Analyzed		**10/22/2014**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
AA Metals						
Mercury	**0.0500**	**0.131**				
ICP Metals						
Antimony	**0.500**	**0.538**				
Arsenic	**0.250**	**4.15**				
Barium	**0.500**	**20.3**				
Beryllium	**0.500**	**ND**				
Cadmium	**0.500**	**4.74**				
Chromium	**0.500**	**442**				
Cobalt	**0.500**	**4.72**				
Copper	**0.500**	**82.8**				
Lead	**0.250**	**114**				
Molybdenum	**0.500**	**97.5**				
Nickel	**0.500**	**52.0**				
Selenium	**0.500**	**ND**				
Silver	**0.500**	**ND**				
Thallium	**0.500**	**ND**				
Vanadium	**0.500**	**25.0**				
Zinc	**0.500**	**13.2**				

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	**87**	**80-120**								
ICP Metals										
Antimony	**94**	**80-120**								
Arsenic	**91**	**80-120**								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62519	10/15/2014	SCS

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 101714-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**102**	**80-120**								
Beryllium	**99**	**80-120**								
Cadmium	**93**	**80-120**								
Chromium	**91**	**80-120**								
Cobalt	**93**	**80-120**								
Copper	**94**	**80-120**								
Lead	**94**	**80-120**								
Molybdenum	**91**	**80-120**								
Nickel	**93**	**80-120**								
Selenium	**92**	**80-120**								
Silver	**98**	**80-120**								
Thallium	**95**	**80-120**								
Vanadium	**91**	**80-120**								
Zinc	**97**	**80-120**								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Alisa Barrow

Number of Pages 5
Date Received 10/15/2014
Date Reported 11/10/2014

Job Number	Ordered	Client
62573	10/31/2014	SCS

Project ID: 01214209.00
Project Name: Airborne America
Site: 1401 Imperial Ave.
San Diego, CA

Enclosed are the results of analyses on 9 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

AMERICAN SCIENTIFIC LABORATORIES, LLC 2nd Additional Request 10/31/14

Environmental Testing Services

Normal TAT, Due 11/7/14

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB# 62573

COC# № 60164 GLOBAL ID ______ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# ______

Company: SCS Engineers		Report To: [illegible]
Address: 8799 Balboa Ave Ste 290	Project Name: Airborne America	Address: Same
San Diego, CA 92123	Site Address: 1401 Imperial Ave	Invoice To: Same
Telephone: 858-571-5500 Fax: 858-571-5357	San Diego, CA	Address: Same
Special Instruction:	Project ID: 01214129.00	
E-mail: [illegible]	Project Manager: Chase Houser	P.O.#: 01214129.00

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	[illegible]	[illegible]	Title 22 Metals	TCLP Lead	WET/STLC Lead							Remarks (New I.D)
		EB1-1'	10-15-14	9:17	1	[illegible]	Soil	None		X	X									
		EB1-2	↓	9:17	1	↓	↓	↓		X										
		EB1-5		9:25	1					X										
		EB1-10		9:28	1					X										
		EB2-1'		10:10	1					X	X	X	X							① 323938
		EB2-2'		10:10	1					X										
		EB2-5		10:17	1					X										
		EB2-10'		10:22	1					X										
		EB3-1'		11:08	1					X	X		X							② 323939
		EB3-2'	↓	11:08	1	↓	↓	↓		X										

Collected By: [illegible]	Date 10-15-14	Time	Relinquished By: [illegible]	Date 10-15-14	Time [illegible]	TAT
Relinquished By:	Date	Time	Received For Laboratory: [illegible]	Date [illegible]	Time [illegible]	☒ Normal
Received By:	Date	Time	Condition of Sample:			☐ Rush

White - Report, **Yellow** - Laboratory, **Pink** - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

page 296
Page 2 Of 2

COC# № 63804 GLOBAL ID _____ E REPORT: ☒ PDF ☒ EDF ☐ EDD ASL JOB# NEW JOB # 62573

Company: SIS Engineers		Report To:	
Address:	Project Name: Kilroy America	Address:	
	Site Address:	Invoice To:	
Telephone: / Fax:		Address:	
Special Instruction:	Project ID: 012112-29.00		
E-mail:	Project Manager:	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH Extended	Total Lead (6010)	VOCs 8260	Title 22 Metals	TCLP Lead	WET/STLC Lead						New I.D.	Remarks
		EB3-5'	10-15-11	11:12	1	2oz Glass Jar	Soil	None		X											
		EB3-10'		11:17						X											
		MW-2-1'		12:10					X	X											
		MW-2-2'		12:10					X	X											
		MW-2-5'		12:15					X	X		X	X	X					(3)	323940	
		MW-2-10'		12:50					X	X	X	X									
		MW-2-15'		12:54					X	X											
		MW-2-20'		12:58					X	X											
		MW-2-GW		13:30	7	6: VOAs 1-500 mL	Groundwater	VOAs HCl	X	X	X										

Collected By: [illegible]	Date 10-15-11	Time	Relinquished By: [illegible]	Date	Time
Relinquished By:	Date	Time	Received For Laboratory	Date	Time
Received By:	Date	Time	Condition of Sample:		

TAT
☒ Normal
☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB # 62573

COC# Nº 63797 GLOBAL ID ______ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# ______

Company: SCS Engineers	Report To: [illegible]
Address: [illegible], San Diego, CA 92123	Project Name: Airborne America
Site Address: 1401 Imperial Ave, San Diego, CA	Address: Same
Telephone: 858-571-5500	Invoice To: Same
Fax: 858-571-5357	Address: Same
Special Instruction: 5 soil, 1 groundwater	Project ID: 01214209.00
E-mail: [illegible]@scsengineers.com	Project Manager: Chuck [illegible]
	P.O.#: 01214209.00

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Total Lead (6010B)	TPH extended	VOCs (8260)	Title 22 metals	STLC/Wet lead	Remarks (New I.D)
		MW-1-1'	10-6-14	10:00	1	Stainless Steel Sleeve	Soil	None	X	X		X		
		MW-1-2'	|	10:00	|	|	|	|	X	X				
		MW-1-5'	|	10:15	|	|	|	|	X	X				
		~~MW-1-10'~~							X	X				no sample
		MW-1-15'	|	10:25	|	|	|	|	X	X	X		X	(4) 323941
		MW-1-20'	|	10:38	|	|	|	|	X	X				
		MW-1-GW	|		7	6 VOAs, 1 Amber	Groundwater	VOAs-HCl, Amber-none		X	X			

Collected By: [signature]	Date 10-6-14	Time 13:00	Relinquished By: [signature]	Date 10-6-14	Time 13:00	TAT
Relinquished By:	Date	Time	Received For Laboratory [signature]	Date 10-6-14	Time 3:50	☒ Normal
Received By:	Date	Time	Condition of Sample:			☐ Rush

White - *Report,* **Yellow** - *Laboratory,* **Pink** - *Client*

page 496 1
Page 1 Of

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB# 62573

COC# № 63805 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# _____

Company: SLS Engineers		Report To: Chuck Hauser, Alicia Barrow	ANALYSIS REQUESTED
Address: 6769 Balboa Ave ste 290	Project Name: Airborne America	Address: Same	
San Diego, CA 92123	Site Address: 1121 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5220 Fax: 858-571-5357	San Diego, CA	Address: Same	
Special Instruction:	Project ID: 212142209.00		
E-mail: chauser@slsengineers.com abarrow@slsengineers.com	Project Manager: Chuck Hauser	P.O.#: 212142209.00	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Total Lead (6010B)	TPH Extract	VOCs (8260B)	Title 22 metals	TCLP lead	WET/STLC Lead						New ID	Remarks
		EB4-1'	10-17-14	8:23	1	8oz. glass Steel sleeve	Soil	None	X	X											
		EB4-2'		8:23					X	X											
		EB4-5'		8:30					X	X											
		EB4-10'		8:40					X	X	X	X	X	X						⑤	323942
		EB4-20'		8:45					X	X											
		EB4a-15'		9:45					X	X											
		EB4-GW		9:10	7	8oz. VOAs 1L soil/WG amber	Groundwater	HCl Amber: None		X	X										

Collected By: Alicia Barrow	Date 10-17-14 Time 1:15	Relinquished By: Alicia Barrow	Date 10-17-14 Time
Relinquished By:	Date Time	Received For Laboratory	Date 10-17-14 Time 1:15
Received By:	Date Time	Condition of Sample:	TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

page 5 of 6

Page 1 Of 1

NEW JOB # 62573

COC# Nº 60166 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# _____

Company: SCS Engineers		Report To: Chuck Hauser	
Address: 7744 Ronson Rd, Ste 70	Project Name: Airborne Express	Address:	
San Diego CA 92123	Site Address: 1441 Imperial, San Diego	Invoice To:	
Telephone: 858 571 8500 Fax:		Address:	
Special Instruction:	Project ID: 01254702.00		
E-mail: chauser@scsengineers.com	Project Manager: Chuck Hauser	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	Field Lead	Field Lead	TCLP lead	STLC/wet lead										New I.D.	Remarks
		T1-6"	10/15/14	11:16	2	Jar	Soil	Chill	X	X	X	X										(6)	323943
		T1-1		11:17	2				X	X													
		T1-2		11:20	2				X	X													
		T1-3		11:43	2				X	X													
		T1-7		11:55	2				X	X													
		T2-1		12:11	1				X		X												
		T2-2		12:15	1				X		X	X										(7)	323944
		T2-5		12:20	1				X														
		T2-9		12:30	1				X														

Collected By: Chuck Hauser	Date 10/15/14	Time 12:55	Relinquished By:	Date	Time
Relinquished By:	Date 10/16/14	Time 12:55	Received For Laboratory	Date 10/16/14	Time 10:06
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report. Yellow - Laboratory. Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

page 6 of 6

Page 1 Of ____

NEW JOB # 62573

COC# **№ 60167** GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# _____

Company: SCS Engineers		Report To: Chuck Hauser	
Address: 6799 Balboa Ave, Ste 210	Project Name: Kinder Morgan America	Address: Same	
San Diego, CA 92123	Site Address: 2101 Imperial Ave	Invoice To: Same	
Telephone: 858-571-5500 Fax: 858-571-5227	San Diego, CA	Address: Same	
Special Instruction:	Project ID: 012142 09.00		
E-mail: abarrone@scsengineers.com chauser@scsengineers.com	Project Manager: Chuck Hauser	P.O.#: 012142 09.00	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Total Lead	TCLP Lead	STLC/WET Lead															Remarks
		TH-1	10/16/14	9:25	1	4oz Jar	Soil	Chill	X																	
		TH-2		9:40	1				X	X	X														(8)	323945
		TH-3		9:45	1				X	X	X														(9)	323946
		TH-5		10:55	1				X																	
		TH-6.5		11:59	1				X																	
		TH-8		12:00	1				X																	

Collected By: Chuck Hauser	Date 10/16/14 Time 7:15	Relinquished By:	Date Time
Relinquished By:	Date 10/16/14 Time 7:15	Received For Laboratory	Date 10-16-14 Time 13:00
Received By:	Date 10/16/14 Time 7:15	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **2**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62573	10/15/2014	SCS

Method: 6010B, STLC Lead

QC Batch No: 110714-1

Our Lab I.D.		323938	323939	323940	323941	323942
Client Sample I.D.		EB2-1'	EB3-1'	MW2-5'	MW1-15'	EB4-10'
Date Sampled		10/15/2014	10/15/2014	10/15/2014	10/16/2014	10/17/2014
Date Prepared		11/04/2014	11/04/2014	11/04/2014	11/04/2014	11/04/2014
Preparation Method						
Date Analyzed		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead (Soluble)	0.500	31.2	6.04	3.32	4.44	0.625

QUALITY CONTROL REPORT

QC Batch No: 110714-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead (Soluble)	99	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **3**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62573	10/15/2014	SCS

Method: 6010B, STLC Lead

QC Batch No: 110714-1

Our Lab I.D.		323943	323944	323945	323946	
Client Sample I.D.		T1-6"	T2-2'	T4-2'	T4-3'	
Date Sampled		10/15/2014	10/15/2014	10/16/2014	10/16/2014	
Date Prepared		11/04/2014	11/04/2014	11/04/2014	11/04/2014	
Preparation Method						
Date Analyzed		11/07/2014	11/07/2014	11/07/2014	11/07/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
ICP Metals						
Lead (Soluble)	0.500	47.5	162	55.5	4.19	

QUALITY CONTROL REPORT

QC Batch No: 110714-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead (Soluble)	99	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **4**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62573	10/15/2014	SCS

Method: 6010B, TCLP LEAD

QC Batch No: 110714-1

Our Lab I.D.		323938	323940	323942	323943	323944
Client Sample I.D.		EB2-1'	MW2-5'	EB4-10'	T1-6"	T2-2'
Date Sampled		10/15/2014	10/15/2014	10/17/2014	10/15/2014	10/15/2014
Date Prepared		11/04/2014	11/04/2014	11/04/2014	11/04/2014	11/04/2014
Preparation Method						
Date Analyzed		11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/07/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Lead (Soluble)	0.500	4.70	ND	ND	0.936	1.42

QUALITY CONTROL REPORT

QC Batch No: 110714-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead (Soluble)	99	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Alisa Barrow

Site

1401 Imperial Ave.
San Diego, CA

Page: **5**

Project ID: 01214209.00
Project Name: Airborne America

ASL Job Number	Submitted	Client
62573	10/15/2014	SCS

Method: 6010B, TCLP LEAD

QC Batch No: 110714-1

Our Lab I.D.		**323945**				
Client Sample I.D.		T4-2'				
Date Sampled		**10/16/2014**				
Date Prepared		**11/04/2014**				
Preparation Method						
Date Analyzed		**11/07/2014**				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
ICP Metals						
Lead (Soluble)	**0.500**	**0.951**				

QUALITY CONTROL REPORT

QC Batch No: 110714-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Lead (Soluble)	**99**	**80-120**								