

PRELIMINARY ENVIRONMENTAL ASSESSMENT – EQUIVALENT

MAY 1, 2019

PREPARED FOR:



**ASCOT AVENUE ELEMENTARY SCHOOL
1447 EAST 45th STREET
LOS ANGELES, CALIFORNIA 90011**

SUBMITTED TO:

**LOS ANGELES UNIFIED SCHOOL DISTRICT
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WPI PROJECT NO: 180618

WARRANTY

This report has been prepared by Wayne Perry, Inc. for the exclusive use of the Los Angeles Unified School District as it pertains to the subject site located at 1447 East 45th Street in Los Angeles, California 90011. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists, hydrogeologists, and engineers practicing in this field. No other warranty, express or implied, is made as to the professional advice in this report.



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ABBREVIATIONS AND ACRONYMS

µg/L	micrograms per liter	PEA-E	preliminary environmental assessment-equivalent
CCR	California Code of Regulations	PEL	Permissible Exposure Level
Cal-EPA	California Environmental Protection Agency	PID	photo ionization detector
Cal-Haz	Hazardous within the State of California	PCB	polychlorinated biphenyls
Cal-OSHA	California Occupational Safety and Health Administration	PLM	polarized light microscopy
CEQA	California Environmental Quality Act	QA/QC	Quality Assurance/Quality Control
COC	Constituents of concern	RACR	Removal Action Completion Report
DOT	Department of Transportation	RCRA	Resource Conservation and Recovery Act
DTSC	Department of Toxic Substances Control	RCRA-Haz	hazardous within the entire United States
ELAP	Environmental Laboratory Accreditation Program	RPD	relative percent difference
ESA	Environmental Site Assessment	RSL	Regional Screening Level
HAZWOPER	Standards for Hazardous Waste Operations and Emergency Response	SCAQMD	South Coast Air Quality Management District
LAUSD	Los Angeles Unified School District	SL	screening level
LACDPW	Los Angeles County Department of Public Works	STLC	California Soluble Threshold Limit Concentration
µg/kg	micrograms per kilogram	TCLP	Toxicity Characteristic Leaching Procedure
mg/kg	milligrams per kilogram	TTLC	total threshold limit concentration
mg/L	milligrams per liter	UCL	upper confidence level
OCP	organochlorine pesticides	USCS	Unified Soil Classification System
OSHA	Occupational Safety and Health Administration	USGS	U.S. Geological Survey
PAH	polycyclic aromatic hydrocarbon	US EPA	United States Environmental Protection Agency
		USA	Underground Service Alert
		USGS	United States Geological Survey
		VOC	volatile organic compound
		WET	Waste Extraction Test
		WPI	Wayne Perry, Inc.

EXECUTIVE SUMMARY

In order to evaluate the overall health risk associated with Los Angeles Unified School District's (LAUSD) proposed comprehensive modernization project which is anticipated to disturb and/or uncover shallow soil beneath Ascot Avenue Elementary School and Arco Iris Primary School ("Site"), the following documents were reviewed and/or prepared:

- *Phase I Environmental Site Assessment*, prepared by EnSafe Inc. on August 16, 2017;
- *Preliminary Environmental Assessment Equivalent Sampling Locations*, prepared by EnSafe Inc. on September 6, 2017; and
- *Soil Sampling Plan*, prepared by Wayne Perry, Inc. on December 17, 2018.

The soil sampling assessment evaluated shallow soil beneath the Site for the presence of the 17 heavy metals listed in the California Code of Regulations, including arsenic and lead; organochlorine pesticides, polychlorinated biphenyls, polycyclic aromatic hydrocarbons, and asbestos.

The initial soil sampling activities were conducted December 18 through 26, 2018. Step-out sampling activities were conducted on January 19, 2019 and February 18, 2019. A total of 110 locations were advanced to a maximum depth of 2.5 feet and one location to a depth of 5 feet using hand auger methods. The soil excavated from each location was either sent to a laboratory or placed in a 55-gallon drum. Results indicated that the only constituent of concern in shallow soil beneath the Site was lead. Step-out sampling locations completed in eight areas further delineated the boundaries of lead impacts, but the areas remain undefined.

Of the seventy-one locations sampled in December 2018, soil in borings SB39, SB45, SB46, SB48, SB49, SB50, SB51, and SB52 was further characterized as California-regulated hazardous waste requiring removal and disposal at an appropriate facility. For this reason, and based on the results from the later sampling, all the drums of soil derived from the investigation were removed from the Site and properly disposed of off-site.

All locations with lead impacts are currently covered with pavement and thus no pathway exists to create a health concern. However, the anticipated project will disturb this soil. Given the condensed timeframe for this project, this document includes a description of the actions to be taken when this impacted soil is removed and properly disposed of off-site. Upon completion of the removal action the health risk associated with lead-impacted soil will be reduced to acceptable levels regardless of the soil's surface condition.

1.0 INTRODUCTION

The Los Angeles Unified School District (LAUSD) has proposed a comprehensive modernization effort at Ascot Avenue Elementary School, located at 1447 East 45th Street, and Arco Iris Primary School located at 4504 Ascot Avenue, in the City of Los Angeles, California 90011 (collectively referred to as the "Site"). This effort includes demolition of existing buildings and portables, modernization of existing buildings, and new construction including classrooms, administrative buildings, lunch shelters, infrastructure and safety improvements, parking areas, landscape and hardscape. In order to evaluate soil conditions prior to demolition and modernization, an assessment was recently completed. This Preliminary Environmental Assessment-Equivalent (PEA-E) has been prepared, outlining the approach utilized and data collected as part of the recently concluded soil sampling assessment.

This PEA-E has been prepared based on information provided in the following documents:

- *Phase I Environmental Site Assessment Report (Phase I ESA)*, Converse Consultants, October 23, 2000;
- *Phase I Environmental Site Assessment*, EnSafe Inc. (EnSafe), August 16, 2017 (EnSafe, 2017a);
- *Preliminary Environmental Assessment Equivalent Sampling Locations*, EnSafe Inc., September 6, 2017 (EnSafe, 2017b);
- *Soil Sampling Plan*, Wayne Perry, Inc. (WPI), December 17, 2018 (WPI, 2018); and
- *Rule 1466. Control of Particulate Emissions from Soils with Toxic Air Contaminants*, South Coast Air Quality Management District, Adopted July 7, 2017 (SCAQMD, 2017).

The proposed comprehensive modernization project is anticipated to disturb and/or uncover shallow soil in the areas across the Site. For this reason, soil sampling plans (EnSafe Inc., 2017b; WPI, 2018) were prepared to address chemicals of potential concern for the Site. The 2017 Phase I ESA (EnSafe, 2017a) concluded that no evidence of any Recognized Environmental Conditions was present except:

Based on the age of the Site buildings...exterior soils may be impacted with lead due to the weathering of lead-based paint, and arsenic and/or organochlorine pesticides as result of possible pesticide applications at the property. In addition to surficial applications, organochlorine pesticides may be found at depth as a result of treatment or injection beneath buildings as a termiticide.

This assessment was generally conducted in accordance with the pre-demolition scenario of the California Environmental Protection Agency's Department of Toxic Substances Control's (DTSC) *Interim Guidance – Evaluation of School Sites with Potential Contamination for Lead Based Paint, Termiticides, and Electrical Transformers* (DTSC, 2006). This PEA-E document was prepared in general accordance with the guidelines of the DTSC's *Preliminary Endangerment Assessment Guidance Manual* (DTSC, 2013). This document is considered a PEA-E as it has not been reviewed and approved by DTSC.

2.0 SITE DESCRIPTION AND BACKGROUND

The Site is developed with Ascot Avenue Elementary School and Arco Iris Primary School on a school campus encompassing approximately 4.2 acres of land in the Central Alameda neighborhood of the City of Los Angeles, California (**Figure 1**). The Site is identified by Los Angeles County Assessor's Parcel Number 5107-005-909. The school campus' boundaries are defined by chain-link fences to the west at Ascot Avenue; to the north at East Vernon Avenue; to the east (from north to south) at Compton Avenue, the terminus of 45th Street, and a north/south alley; and to the south at an east/west alley.

There are eight permanent structures and fifteen relocatable buildings presently located on the Site. Uses of the Site buildings include classrooms, administrative offices, a cafeteria, parking, and an auditorium. Surface parking lots are present at the northwestern and southeastern portions of the Site. Playgrounds, athletic courts, and recreation areas are present on the western and southwestern portions of the Site. The property is located within an area designated primarily for residential and light commercial uses.

Converse Consultants prepared a *Phase I Environmental Site Assessment Report* on October 23, 2000 for the Site as a result of a limited modernization project proposed by LAUSD. No Recognized Environmental Conditions at the Site were reported. Based on the results of the Phase I ESA, the DTSC issued a "No Further Action" determination in a letter dated April 20, 2001.

A second *Phase I Environmental Site Assessment* (ESA) was prepared by EnSafe Inc. on August 16, 2017 for the Site as a result of a more comprehensive Site-wide modernization project proposed by LAUSD. According to this Phase I ESA:

Based on a review of historical sources, the Site was first developed with a one-building school, Vernon Street School, in 1876. By 1896, the school was incorporated into LAUSD. The school is listed as Ascot Avenue Elementary School by 1937. The school campus occupied only the northern half of the present-day school boundaries; East 45th Street, a contiguous street at the time, and single-family residences occupied the southern half. By at least 1928, these properties were incorporated into the school campus, and the present-day boundaries were defined.

A review of *The EDR Aerial Photo Decade Package* included as Appendix D to the 2017 Phase I ESA contradicts the above with respect to the when East 45th Street was abandoned, and the single-family residences were removed. East 45th Street is present as a through street in the 1981 image and is terminated in the current cul-de-sac configuration in the 1983 image.

Similarly, single-family homes are present in the 1964 image. The next image (1977) is the first to display buildings in a different configuration.

2.1 REGIONAL GEOLOGY AND HYDROGEOLOGY

The August 16, 2017 *Phase I Environmental Site Assessment* included a discussion of site geology (EnSafe, 2017). Excerpts from the Physical Setting Sources section (EnSafe, 2017) were used where appropriate.

The Site is shown on the U.S. Geological Survey (USGS), Los Angeles Quadrangle, 7 ½-minute topographic map at an elevation of approximately 200 feet above mean sea level (USGS, 2012). The Site lies within the Peninsular Ranges Province, in the Los Angeles Basin. The Site is underlain by young and older alluvial fan deposits consisting of interbedded layers of clay, silt, sand, and gravel.

Underlying the alluvium are detrital Quaternary sediments from the nearby highlands and Santa Monica Mountains. The Site is located approximately 6 miles east of faults pertaining to the Newport-Inglewood fault zone. The Newport-Inglewood fault zone is a northwesterly trending fault that extends approximately 40 miles from the Newport Mesa upwards to the Cheviot Hills, located just northwest of the Site.

The Site is located in the Coastal Plain of Los Angeles Groundwater Basin, in the northern portion of the Central Subbasin within the Los Angeles Forebay Area. Groundwater in the Los Angeles Forebay Area is unconfined with interconnected aquifers that extend up to a maximum depth of 1,600 feet (DWR, 2004). WPI reviewed the Geotracker database to identify groundwater conditions in the vicinity of the Site. Based on groundwater data associated with an active environmental case located approximately three miles southwest of the Site, first groundwater in the area ranges from approximately 12 to 24 feet below grade and flows to the northwest, likely in the direction of the Los Angeles River (Geotracker, 2019).

WPI reviewed the groundwater data from the Los Angeles County Department of Public Works (LACDPW). A summary of the five active wells located within one mile of the Site is presented in the table below (LACDPW, 2019).

State Number	Well ID	Distance/ Direction	Surface Elevation	Last Measured	Depth to GW
2S13W15E02	1460X	3,250 feet/ southeast	190.50	02/03/05	195
2S13W16Q11	1451K	4,000 feet/ south-southeast	175.30	01/06/10	187.90
2S13W16Q07	1451M	4,000 feet/ south-southeast	176.70	01/06/10	186.80
2S13W10P05	2769L	4,680 feet/ northeast	203.40	05/10/12	245.60
2S13W10P06	2769H	4,960 feet/ northeast	201.90	04/15/87	257

2.2 ENVIRONMENTAL SETTING

The purpose of the most recent Phase I ESA was to identify recognized environmental conditions related to current and/or historical land use, assess potential environmental impacts on- and off-site, and determine if any potential environmental impacts may pose a threat to on-site occupants, off-site individuals and/or the environment (EnSafe, 2017a). Other than the aforementioned October 23, 2000 Phase I ESA, no other environmental investigations for the Site were identified.

2.2.1 School Property

The Site was first developed as a one-building school (“Vernon Street School”) in 1876. The school campus initially occupied only the northern half of the present-day school boundaries; East 45th Street, a contiguous street at the time, and single-family residences occupied the southern half. By 1937, the Site was identified as Ascot Avenue Elementary School.

2.2.2 Site Redevelopment

LAUSD intends to utilize a Design-Build selection/construction process to implement the proposed comprehensive modernization of the Site. The design and location of the improvements will not be finalized until after Design-Build contractor’s plans have been approved by the California Department of General Services’ Division of the State Architect.

The proposed scope for the comprehensive modernization project includes the following:

Buildings for Minimal Modernization

- Parking/Classroom #14 (ID 34127) – Built in 2004
- Kindergarten #8 (DSA #25069) - Built in 1965
- Building A, #9 DSA #29210) – Built in 1968
- Building B, #6 (DSA #29210 - Built 1968

Structures to be Demolished

- Admin/Library/Classroom Building #1 (DSA #38894) – Built 1977
- Multi-purpose/Main/Classroom Building #2 (DSA #1388) – Built 1925
- Food Service Building #3 (DSA #29210) – Built 1968
- Lunch Shelter (DSA #19173) – Built post-1964
- Lunch Shelter (DSA #29210) – Built 1968
- New Lunch Shelter (ID #42306) – Built post-2010
- Storage Building #7 (ID #34143) – Built 1965
- Storage Building #8 (ID #25310) – Built 1965
- Classroom Bungalow A-524 (DSA #7110) – Built 1949, placed post-1964
- Classroom Bungalow A-525 (DSA #7110) – Built 1949, placed post-1964
- Classroom Bungalow A-698 (DSA #32477) – Built 1970
- Classroom Bungalow AA-720 (DSA #7198) – Built 1949, placed post-1964
- Classroom Bungalow AA-1165 (DSA #10405) – Built 1953, placed post-1964
- Classroom Bungalow AA-1845 (DSA #17016) – Built 1958, placed post-1964
- Classroom Bungalow AA-1894 (DSA #17698) – Built 1958
- Classroom Bungalow AA-1895 (DSA #17698) – Built 1958
- Classroom Bungalow AA-1970 (DSA #18471) – Built 1959, placed post-1964
- Office Bungalow AA-2277 (DSA #21230) – Built 1961, placed post-1964
- Sanitary Portable J-222 (DSA #59272) – Built 1953, placed post-1964

Items to be Design-Built

- Twenty-five (25) General and Specialty Classrooms plus Instructional Support Spaces
- Administrative/Library/Textbook Storage Building
- Multi-purpose Building
- Food Services Building
- Maintenance and Operations Building
- Lunch Shelter
- Site-wide Infrastructure (e.g. utilities, stormwater, sanitary sewer, etc.)
- Upgrades and Safety Improvements (e.g. fencing, lighting, gates, etc.)
- New Main Entrance
- New Parking Areas
- New Landscaping and Hardscaping

3.0 DISCUSSION OF SITE-SPECIFIC SCREENING LEVELS AND ANALYSES

Based on the potential environmental conditions identified in the August 16, 2017 Phase I ESA and the scopes of work proposed in the soil sampling plans, this PEA-E was conducted to evaluate whether shallow soil beneath the Site has been impacted as a result of current or historical site use, and if additional measures are required to mitigate prior to or during construction related to comprehensive modernization activities.

The soil sampling assessment evaluated shallow soil beneath the Site for the presence 17 heavy metals listed in the California Code of Regulations (CCR), including arsenic and lead; organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), and asbestos.

The following resources were utilized in establishing screening levels (SLs):

- DTSC, *Human and Ecological Risk Office, Human Health Risk Assessment, Note Number 3, DTSC-modified Screening Levels*, updated January 2018.
- Chernoff, G.; Bosan, W.; and Oudiz, D. – DTSC, *Determination of a Southern California Regional Background Arsenic Concentration in Soil*, March 2008.
- DTSC, *Interim Guidance – Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers*, revised June 9, 2006.
- EPA Region 9, Regional Screening Level (RSL) Resident Soil Table, revised November 2018.
- California Occupational Safety and Health Administration (Cal-OSHA), Title 8, CCR 341.6, definition of “asbestos containing construction materials”

Based on the above resources, the below SLs were established for compounds detected at the Site:

- Lead: 80 milligrams per kilogram (mg/kg) is the recommended residential soil screening level (DTSC, 2018)
- Arsenic: 12 mg/kg is the DTSC’s upper bound estimate (95th percentile) for background concentrations in Los Angeles County (Chernoff et. al, 2008)

- OCPs: Up to 4 samples were lab-composited and the following screening levels were used (DTSC, 2006):
 - 4,4'-DDD – 575 micrograms per kilogram ($\mu\text{g}/\text{kg}$)
 - 4,4'-DDE – 400 $\mu\text{g}/\text{kg}$
 - 4,4'-DDT – 400 $\mu\text{g}/\text{kg}$
 - Aldrin – 5 $\mu\text{g}/\text{kg}$
 - Chlordane – 105 $\mu\text{g}/\text{kg}$
 - Dieldrin – 5 $\mu\text{g}/\text{kg}$
 - Gamma – BHC (Lindane) – 125 $\mu\text{g}/\text{kg}$
 - Heptachlor – 20 $\mu\text{g}/\text{kg}$

- PCBs: Various EPA Region 9 RSL – Carcinogenic SLs (EPA, 2018):
 - Aroclor-1016 – 6.7 mg/kg
 - Aroclor-1221 – 0.20 mg/kg
 - Aroclor-1232 – 0.17 mg/kg
 - Aroclor-1248 – 0.23 mg/kg
 - Aroclor-1254 – 0.24 mg/kg
 - Aroclor-1260 – 0.24 mg/kg

- PAHs: Various EPA Region 9 RSL – Carcinogenic SLs (EPA, 2018) unless otherwise noted:
 - Anthracene – 18 mg/kg (Noncarcinogenic SL)
 - Benzo_a_anthracene – 1.1 mg/kg
 - Benzo_a_pyrene – 0.11 mg/kg
 - Benzo_b_fluoranthene – 1.1 mg/kg
 - Chrysene – 110 mg/kg
 - Dibenz(a,h)anthracene – 0.11 mg/kg
 - Fluoranthene – 2.4 mg/kg (Noncarcinogenic SL)
 - Indeno_1,2,3-cd_pyrene – 1.1 mg/kg
 - Naphthalene – 3.8 mg/kg
 - Pyrene – 1.8 mg/kg (Noncarcinogenic SL)

- Select Metals: Various EPA Region 9 RSL – Carcinogenic SLs (EPA, 2018):
 - Barium – 15,000 mg/kg
 - Beryllium – 1,600 mg/kg
 - Cadmium – 71 mg/kg
 - Cobalt – 23 mg/kg
 - Copper – 3,100 mg/kg
 - Molybdenum – 390 mg/kg
 - Vanadium – 390 mg/kg
 - Zinc – 23,000 mg/kg
 - Mercury – 10 mg/kg

- Asbestos: $1/10^{\text{th}}$ of 1% = 1,000 mg/kg by weight (Cal-OHSA)

EPA and DTSC allow calculations to be used to determine overall Site-wide representative concentrations based on a set of collected data. To this end, EPA makes available for download the ProUCL program. ProUCL is a comprehensive statistical software package initially developed by the EPA for computing statistical intervals to respond to concerns at a specific Superfund site. Since then it has been upgraded and EPA regions, states, contractors, and other stakeholders use ProUCL to establish background levels, determine outliers in data sets, and compare background and site-specific sample data sets for site evaluation and risk assessment. The ProUCL software was used to determine the representative Site-wide concentrations to a ninety-five percent (95%) upper confidence limit (UCL).

4.0 PUBLIC PARTICIPATION

A single-page work notice was produced in English and Spanish (double-sided) to provide members of the community with information regarding the PEA-E investigation including the scope of work, project schedule, and who to contact regarding additional information. This work notice flyer was handed out to all high school staff, mailed to all parents of students, handed out to all line-of-sight properties, and posted on the fenceline along the property boundaries. A copy of the work notice is provided in **Appendix A**.

All field activities took place during the winter break and on holidays to minimize any interference with school activities. As of this report, WPI is not aware of any public concerns or issues which arose as a result of field activities.

The comprehensive modernization effort to be conducted at the Site is subject to the California Environmental Quality Act (CEQA). One of the first steps when evaluating a project under CEQA is the preparation of an Initial Study. One of the twenty-one items reviewed as part of the Initial Study is Hazards and Hazardous Materials. For this reason, the draft version of this PEA-E is included as an appendix to the Initial Study. As the lead agency under CEQA, LAUSD has determined that the appropriate CEQA document for this project is a Mitigated Negative Declaration. A public comment period for CEQA (and therefore this PEA-E) ran from March 28, 2019 to April 26, 2019. A combined CEQA/PEA-E public meeting was held on April 11, 2019 at the Site. No comments relating to this document were made within the public comment period or at the meeting.

Copies of the single-page combined CEQA/PEA-E notice (one side English and one side Spanish) for the public meeting are provided in **Appendix A**. In addition to mailing to the parents of students and concerned parties, advertisements with versions of these notices were placed in the English language newspaper the Daily News and the Spanish language newspaper La Opinion.

5.0 SAMPLING ACTIVITIES AND RESULTS

5.1 PRE-FIELD ACTIVITIES

Pre-field activities included the following:

- Preparing a site-specific Health and Safety Plan;
- Scheduling subcontractors; and
- Notifying Underground Service Alert (USA) at least 72 hours prior to commencement of work to perform an underground utility clearance for the planned sampling locations.

5.2 FIELD ACTIVITIES

Prior to disturbing the surface, a geophysical survey was conducted to identify any underlying utility conflicts within the vicinity of the initial sampling locations shown on **Figure 2** and step-out locations shown on **Figure 3**. Ground penetrating radar and electromagnetic line location geophysical methods were used.

All sampling locations were situated primarily beneath asphalt- or concrete-paved surfaces, which were cored prior to hand augering. Soil sampling locations around an existing building perimeter were placed within approximately two feet of the existing foundation. Unpaved surfaces observed in the vicinity of existing buildings where runoff may collect were sampled where possible. Each sampling location was surveyed (X and Y coordinates) and tied to existing benchmarks. Field survey coordinates for specific areas of interest are provided in **Appendix B**.

Soil samples were collected from a total of 111 locations during this assessment. Between December 18 and 26, 2018, 71 soil sampling locations were completed. On January 21 and February 18, 2019, an additional 40 step-out soil sampling locations were completed. All soil sampling locations were hand augered to a depth of 2.5 feet, with exception to location SB95. Three soil samples were collected from each boring at depths of approximately 0.5, 1.5, and 2.5 feet using hand auger sampling techniques. Soil samples from step-out location SB95 were collected at depths of approximately 2.5, 3, 4, and 5 feet for the purposes of vertical delineation.

When a sampling target depth was reached, the hand auger was withdrawn and the auger bucket was replaced with a stainless steel barrel sampler lined with a 6-inch long brass sleeve. The sampler was then placed in the borehole and driven 6-inches into undisturbed soil. When the sampler was retrieved, the soil was placed in clean, laboratory-supplied 4-ounce glass jars. The glass jars were labeled with the WPI project number, sampling location, date and time of collection and the sampler's initials, sealed in Zip-Loc® bags, and immediately placed in a cooler

chilled with bagged ice. Each sampling location was backfilled with clean gravel and finished with concrete to match the existing surface grade.

All soil sampling activities were conducted under the supervision of the California Professional Geologist whose signature and stamp appear at the beginning of this document. Copies of the field notes, including soil sample descriptions and hydrocarbon vapor screening using a photoionization detector (PID), and sampling location photographs are provided as **Appendix C**. Copies of the chain-of-custody documentation are provided in **Appendix D**.

Soil sampling equipment was decontaminated to avoid cross contamination between sampling locations. Decontamination of reusable sampling equipment occurred prior to and after each use.

All sampling devices used were decontaminated in a pre-designated area using the following sequential procedures:

- Non-phosphate detergent and tap water wash, using a brush if necessary;
- Tap water rinse; and
- Deionized/distilled water rinse.

Two field duplicates were collected each day of field work, employing the sample collection procedures identified above. Field duplicate samples were collected and analyzed to evaluate sampling and analytical precision.

One field equipment blank was collected at the end of each day by rinsing the hand auger equipment with deionized water, which was containerized in laboratory-supplied bottles appropriate for the analytical method(s).

Soil cuttings and decontamination water generated during soil sampling activities were contained in Department of Transportation (DOT)-approved 55-gallon drums and stored on-site pending disposal at an appropriate off-site facility. Four soil drums were transported to U.S. Ecology in Beatty, Nevada for lawful disposal. Two non-hazardous decontamination water drums were transported to DeMenno Kerdoon in Compton, California for lawful disposal. Copies of the waste disposal manifests are provided in **Appendix E**.

5.3 LABORATORY ANALYTICAL PROGRAM

Soil and water (equipment blank) samples were submitted under chain-of-custody procedures to TestAmerica Laboratories, Inc. of Irvine, California (TestAmerica). TestAmerica is an independent analytical laboratory, and is accredited by the California Environmental Protection Agency Department of Health Services Environmental Laboratory Accreditation Program (ELAP).

In accordance with the proposed sampling plans and guidance documents, soil samples were analyzed for one or more of the following constituents:

- Lead and Arsenic: Soil samples collected at a depth of 0.5-foot during the initial soil sampling event in December 2018 were analyzed for lead by EPA Method 6010B and arsenic by EPA Method 6020. Additional sampling depths were analyzed on request for the purposes of lateral and vertical delineation.

Select lead detections were further evaluated for potential hazardous waste characterization and analyzed for soluble lead using the Waste Extraction Test (WET) and/or the Toxicity Characteristic Leaching Procedure (TCLP). WET and TCLP results were used for comparison with the California Soluble Threshold Limit Concentration (STLC) and the Resource Conservation and Recovery Act (RCRA) toxicity criteria.

- PCBs: Approximately 20% of the 0.5-foot samples from the initial sampling event in December 2018 were analyzed for PCBs using EPA Method 8082.
- OCPs: Up to four of the 0.5-foot samples from the initial sampling event in December 2018 were laboratory-composited and analyzed for OCPs using EPA Method 8081.
- Asbestos: Approximately 20% of the 0.5-foot samples from the initial sampling event in December 2018 were analyzed for asbestos using polarized light microscopy (PLM).
- PAHs: Approximately 20% of the 0.5-foot samples from the initial sampling event in December 2018 were analyzed for PAHs using EPA Method 8270 SIM.
- Other California Title 22 Metals: Approximately 20% of the 0.5-foot samples from the initial sampling event in December 2018 were analyzed for metals using EPA Methods 6010B/7471A.

All soil samples collected during this assessment were analyzed and/or laboratory-archived for later analysis within the analyte's holding time.

5.4 ANALYTICAL DATA AND DISCUSSION OF RESULTS

5.4.1 Lead

Lead was reported at all sampling depths analyzed at concentrations ranging from 1.2 mg/kg to 810 mg/kg. Lead exceeded the screening level of 80 mg/kg in 46 samples collected from depths of 0.5, 1.5, and 2.5 feet; and in the only sample collected at a depth of 3 feet.

Selected samples containing elevated lead concentrations and step-out samples for delineation purposes were further analyzed to verify if the samples could be classified as hazardous within

the State of California (Cal-Haz) using STLC and/or hazardous within the entire United States (RCRA-Haz) using TCLP:

- STLC results ranged from 0.08 milligrams per liter (mg/L) to 55 mg/L. Of the 51 samples selected for STLC analysis, 31 samples exceeded the 5 mg/L threshold and the corresponding depth/location were classified as Cal-Haz. All 31 samples exceeding the STLC for lead were collected from locations south of the portion of East 45th Street that has been incorporated into the campus. Samples exceeding the STLC were collected primarily at a depth of 1.5 feet.

Based on the presence of soluble lead above 5 mg/L in the deepest sample at SB51 (2.5-foot), step-out location SB95 was sampled starting at a depth of 2.5 feet in order to assess vertical delineation. Though lead exceeded the screening level in sample SB95d3.0 (84 mg/kg), soluble lead was below the STLC (4.9 mg/L).

- TCLP results ranged from 0.054 mg/L to 0.38 mg/L. Of the 8 samples selected for TCLP analysis, none of the samples exceeded the 5 mg/L threshold. Accordingly, none of the samples analyzed would be classified as RCRA-Haz.

5.4.2 Arsenic

Arsenic was reported in 105 of 107 soil samples analyzed at concentrations ranging from 0.8 mg/kg to 14 mg/kg. Arsenic was reported in only one sample above the screening level of 12 mg/kg (sample SB45d0.5, 14 mg/kg). Sampling point SB45 is located south of the portion of East 45th Street that has been incorporated into the campus.

5.4.3 OCPs

Four OCP compounds (4,4'-DDE, 4,4'-DDT, Chlordane, and Dieldrin) were reported above detection limits in composited samples. 4,4'-DDE, 4,4'-DDT, and Chlordane were reported in samples at concentrations up to 44 µg/kg, which are below the screening levels for residential land use of 400 µg/kg, 400 µg/kg, and 105 µg/kg, respectively. Dieldrin was reported in samples at concentrations up to 3.9 µg/kg, which are below the screening level for residential land use of 5 µg/kg.

5.4.4 PCBs

Of the samples selected for analysis, only one sample reported a detection of a single PCB constituent. Arochlor-1260 was reported at a concentration of 21 J µg/kg, below its threshold value of 240 µg/kg.

5.4.5 PAHs

Of the samples selected for analysis, 10 samples reported detections of one or more PAH constituents. All PAH constituents were reported at concentrations below their respective screening levels.

5.4.6 Other California Title 22 Metals

Of the samples selected for analysis, all of the samples reported detections of one or more metals. All metals were reported at concentrations below their respective screening levels, where applicable (except lead and arsenic as discussed above).

5.4.7 Asbestos

Of the samples selected for analysis, none of the samples reported detections of asbestos.

5.4.8 Field Equipment Blanks and Duplicates

Of the field equipment samples collected and analyzed during the assessment, none of the samples contained lead or arsenic above their respective detection limits.

Field duplicate samples were collected directly beneath the original sample. The relative percent difference (RPD) between the samples and respective duplicates generally ranged from 2.1 to 43.9 RPD, which is within the precision goal range; however, four samples yielded an RPD of 70.5, 82.3, 115.2, and 164.6. In each of these duplicate samples, the primary result was higher than the field duplicate, which was collected deeper in the soil column. Even though the RPD is outside of precision range, given the non-homogenous nature of the soil (coarse sand/gravel with finer matrices), the elevated RPDs do not likely reflect a lack of precision but rather attenuation with depth as supported by the distribution of lead beneath the Site.

A summary of all arsenic and lead sample results are provided in **Table 1**. A summary of lead detections in soil by area (initial sampling location and respective step-outs) are provided in **Table 2**. A summary of metals, PCBs, and PAH detections in soil are provided on **Table 3**. A summary of organochlorine pesticide detections in soil are provided in **Table 4**. Complete laboratory analytical reports and chain-of-custody documentation are provided in **Appendix D**.

6.0 FINDINGS AND CONCLUSIONS

For discussion purposes, the Site will be subdivided into a “northern” and “southern” portion, with the boundary being the East 45th Street (both current and former). The northern portion of the Site is considered to be north of this street, and the southern portion is inclusive of the formerly contiguous East 45th Street and south toward the southernmost property line.

As previously discussed, the northern portion of the Site has been developed as a school since 1876. The southern portion of the Site was formerly a City street (i.e. East 45th Street) and single-family residences. The through street was altered into its present configuration between 1981 and 1983. The residences were demolished and became a part of the Site between 1964 and 1977.

Based on the results of the soil sampling assessment, lead, and to a lesser extent arsenic, are the constituents of concern (COCs). All other constituents reported in soil samples were below their respective threshold values and therefore do not represent COCs.

6.1 OTHER FINDINGS – NORTHERN PORTION OF SITE

6.1.1 Lead

Samples from ten locations (SB12, SB14, SB17, SB24, SB29, SB30, SB57, SB59, SB61, and SB64) in the northern portion of the Site contained lead at concentrations higher than the screening level of 80 mg/kg. The two highest concentrations for samples from these locations were 190 mg/kg (SB17d0.5) and 320 mg/kg (SB29d0.5); the corresponding STLC results for these samples were 4.6 mg/L and 3.1 mg/L, respectively. Thus, the results demonstrate that the STLCs for lead were below the Cal-Haz threshold of 5 mg/L for the northern area.

In addition, the 95% UCL for the samples for the northern portion of the Site is 54.53 mg/kg; which is below the DTSC SL of 80 mg/kg. EPA ProUCL calculations are provided in **Appendix F**.

6.1.2 Arsenic

All arsenic concentrations in samples from the northern portion of the Site did not exceed the screening level of 12 mg/kg.

6.2 OTHER FINDINGS – SOUTHERN PORTION OF SITE

6.2.1 Lead

Initially, samples from ten locations (SB38, SB39, SB44, SB45, SB46, SB48, SB49, SB50, SB51, and SB52) in the southern area contained lead at concentrations higher than the SL of 80 mg/kg. Of these ten locations, Cal-Haz soil was identified at eight sampling locations (SB39, SB45, SB46, SB48, SB49, SB50, SB51, and SB52), situated in and around the portable classrooms and playgrounds in the southern portion of the Site (**Figure 3**). The highest concentrations of total

lead, STLC lead, and TCLP lead encountered during the investigation in the southern portion of the Site were 810 mg/kg (SB80d1.5), 55 mg/L (SB109d1.5), and 0.38 mg/L, respectively. Thirty-one samples collected from 29 sampling locations located in the southern portion of the Site were classified as Cal-Haz for lead.

Six samples (SB39d0.5, SB45d0.5, SB45d1.5, SB46d0.5, SB48d1.5, and SB49d1.5) were analyzed for both STLC and TCLP. The highest ratio of TCLP to STLC was 1.62%. The sample with the highest STLC was not one of these samples. However, applying this ratio to the highest STLC results predicts a TCLP concentration of 0.89 mg/L; which is well below the RCRA threshold of 5.0 mg/L.

6.2.2 Arsenic

Arsenic was detected in only one sample at a concentration exceeding the screening level of 12 mg/kg. Location SB45 is situated on southern portion of the Site, within the area formerly occupied by East 45th Street. The same sample depth and location were also classified as Cal-Haz for lead; therefore, arsenic-related impacts will be addressed concurrent with lead.

6.3 SUBAREA CONCLUSIONS

6.3.1 Northern Area

Based on the discussion above, it can be concluded that the northern portion of the Site has no identified environmental issues that would warrant further investigation, remediation, and/or limitation by Rule 1466.

6.3.2 Southern Area

Based on the distribution of hazardous lead in soil samples, it appears that historical property use may have contributed to the presence of lead in shallow soil. It is likely that the hazardous lead concentrations are associated with weathering of lead-based paint used on the residences formerly located in the southern portion of the Site. Soil is present within the southern portion of the Site which is considered hazardous by the State of California, but not by federal standards.

7.0 RECOMMENDATIONS

7.1 NORTHERN AREA

No further investigation or action is recommended to complete the Comprehensive Modernization contemplated for the Site

7.2 SOUTHERN AREA

LAUSD has a policy concerning hazardous soil on their property. Soil designated as hazardous, both Cal-Haz and RCRA, 1) should be removed as soon as possible if an exposure pathway exists, 2) at the first reasonable opportunity if no exposure pathway exists, or 3) protected by an institutional control.

Based on the results of the soil sampling assessment, areas in the southern portion of the Site contain shallow soil, generally less than 2.5 feet, that has been classified as Cal-Haz. Given that the locations of the Cal-Haz soil impacts are all beneath asphalt or concrete, there is presently no exposure pathway. However, the comprehensive modernization project will remove this asphalt or concrete. Therefore, it is recommended that all Cal-Haz soil be removed from the southern portion of the Site as part of the comprehensive modernization project. Details concerning this removal are presented later in this PEA-E.

South Coast Air Quality Management District Rule 1466 – *Control of Particulate Emission from Soils with Toxic Air Contaminants* (AQMD Rule 1466) imposes certain requirements on the excavation of any amount of soil from sites under environmental oversight and/or with greater than 50 cubic yards of soil with concentrations of contaminants above a given level; in this case, the excavation of lead-impacted soil exceeding the STLC of 5 mg/L. Based on the distribution of hazardous lead in soil beneath the southern portion of the Site, it is likely that excavation totals will exceed 50 cubic yards and therefore Rule 1466 will apply.

8.0 SOIL REMOVAL PLAN

The results of the soil sampling assessment indicate that various locations in the southern portion of the Site were documented to contain soluble lead at concentrations which exceed the Cal-Haz threshold. These areas have not been evaluated for human health risks beyond the comparisons to referenced screening thresholds. Based on discussions with LAUSD, this section of the PEA-E has been prepared to establish a soil removal plan to address areas impacted by lead.

This section assumes that all of the excavation and disposal activities will be handled by a Remediation Contractor (Contractor) and all of the excavation layout (including utility clearance and step-outs), sampling, and reporting will be completed by an Environmental Consultant (Consultant). The Contractor is responsible for supplying all the documents necessary for the Consultant to complete the Removal Action Completion Report (RACR) (see section 8.11).

In addition to proposing excavation to address hazardous lead removal, an evaluation of existing and post-removal arsenic and lead concentrations has been prepared to confirm that the proposed excavation of Cal-Haz soil will be adequate to meet DTSC's cleanup goals for the Site.

8.1 PROPOSED EXCAVATION AREAS

The soil removal plan consists of removing soil from locations exceeding the Cal-Haz screening threshold of 5 mg/L, followed by collection and analysis of confirmation sidewall and bottom soil samples.

8.1.1 Initial Results

The following areas have been characterized based on their initial soil sampling locations (and corresponding step-outs). General descriptions of the designated locations are provided below:

- Area SB39 is located in between portables AA-1970/J-222 and A-1845;
- Area SB45 is located in the playground areas north of portables AA-1970 and J-222;
- Area SB46 is located at the northeast corner of portable A-1845;
- Area SB48 is located near the southwest corner of portable AA-1165;
- Area SB49 is located south of portable AA-1165;
- Area SB50 is located at the southeast corner and east of portable AA-1165;
- Area SB51 is located on the east side of portable AA-1165 near the southeast corner;
- and
- Area SB52 is located in a parking area east of portables AA-1165 and AA-720.

8.1.2 Areas SB45/SB39/SB46

Area SB45 will be excavated to remove the top 2.5 feet of lead-impacted soil. Excavation limits are approximately defined to the north by SB79 and SB83. Excavation limits are undefined to the west and east of SB45; therefore, the excavation boundaries were estimated to be at least an additional 10 feet west of SB44 and east of SB112. With a lack of delineation to the south, Area SB45 was combined with Areas SB39 and SB46 as existing portables and access ramps limited the ability to conduct adequate step-out sampling. Accordingly, additional excavation limits south of the playground fenceline are approximately defined to the west by SB105, to the east by SB47, and to the south by the property line. An additional 16 sidewall confirmation samples have been proposed for the northern, western, and eastern excavation boundaries to supplement existing data and ensure adequate linear coverage. An additional 38 bottom confirmation samples have been proposed to establish a defensible depth. Approximate excavation boundaries and sampling locations are shown on **Figure 4**. The total estimated excavation volume, inclusive of the three areas identified above, is approximately 38,060 cubic feet or 1,410 cubic yards.

8.1.3 Areas SB48/SB49/SB50/SB51

Given their proximity to portable AA-1165, Areas SB48, SB49, and SB50 were combined. Areas SB48, SB49, and SB50 will be excavated to remove the top 2.5 feet of lead-impacted soil. Excavation limits are approximately defined to the north by SB90, SB73, SB111, and SB110; to the west by SB104, to the east by SB94, and to the south by the property line. Two additional sidewall confirmation samples have been proposed for the northern excavation boundary to supplement existing data and ensure adequate linear coverage. An additional 12 bottom confirmation samples have been proposed to establish a defensible depth.

Within the existing excavation boundaries, a limited excavation was proposed in the vicinity of Area SB51 since a defensible depth of 3 feet was established through vertical delineation sampling. This limited area of excavation can be potholed an additional six inches beyond the larger excavation depth.

Approximate excavation boundaries and sampling locations are shown on **Figure 5**. The total estimated excavation volume, inclusive of the four areas identified above, is approximately 11,610 cubic feet or 433 cubic yards.

8.1.4 Area SB52

Area SB52 will be excavated to remove the top 2.5 feet of lead-impacted soil. Excavation limits are approximately defined to the north by SB96, to the west by SB99, and to the east by SB97. Excavation limits are undefined south of SB52; therefore, the boundary was estimated to be at least an additional 10 feet south of SB102. An additional three sidewall confirmation samples have been proposed for the southern excavation boundaries to supplement existing data and ensure adequate linear coverage. Two additional bottom confirmation samples have been proposed to establish a defensible depth. Approximate excavation boundaries and sampling

locations are shown on **Figure 5**. The total estimated excavation volume for this area is approximately 1,050 cubic feet or 39 cubic yards.

8.2 COST ESTIMATE

It is estimated that completing the soil removal action described within this section will cost between \$716,500 and \$1,335,600, and broken down as follows:

Description	Quantity	Cost
Areas SB45/SB39/SB46	1,410 cubic yards	
Areas SB48/SB49/SB50/SB51	433 cubic yards	
Area SB52	39 cubic yards	
Total	1,882 cubic yards	
20 % extra step-outs	377 cubic yards	
Total In place volume	2,259 cubic yards	
Total tons (1.7 tons/CY)	3,808 tons	
Total Stockpile volume (+20%)	2,720 cubic yards	
Consultant Oversight	\$2,500/day	X 10 days = \$25,000
Consultant Report		\$8,000
Excavation, Loading, and Backfill	2,720 cubic yards	\$310,000
Transportation and Disposal	3,808 tons	X \$120/ton = \$457,000
DTSC Tax Fee	2019 Fee for >2,999 tons	\$95,660
Total estimate		\$895,700
National Contingency Plan deduct	-30%	\$716,500
National Contingency Plan add	+50%	\$1,335,600

8.3 HEALTH AND SAFETY PLAN

The Contractor(s) and the Consultant will be responsible for their own efforts to operate in accordance with the most current requirements of Title 8, California Code of Regulations (CCR), Section 5192 (8 CCR 5192) and Title 29, Code of Federal Regulations, section 1910.120 (29 CFR 1910.120), Standards for Hazardous Waste Operations and Emergency Response (HAZWOPER). Onsite personnel are responsible for operating in accordance with all applicable regulations of OSHA outlined in 8 CCR General Industry and Construction Safety Orders and 29 CFR 1910 and 29 CFR 1926, Construction Industry Standards, as well as other applicable federal, state and

local laws and regulations. All personnel shall operate in compliance with all Cal-OSHA requirements.

8.4 UTILITY CLEARANCE

Clearance of underground utility conflicts will be conducted prior to initiating soil intrusion or subsurface activities. At a minimum, the utility clearance will include a 72-hour notification of Underground Services Alert (USA) and a Site visit. In addition, a geophysical survey or hand augering down to one foot below the intended excavation depth may be conducted as appropriate to clear the excavation locations.

8.5 FIELD DOCUMENTATION

The Consultant is responsible for the following:

- Daily Field Logs – Document where, when, how, and from whom vital project information was obtained. Each log will be complete and accurate enough to permit reconstruction of field activities.
- Chain-of-Custody Records – Document sample collection and shipment to state-certified laboratory for analysis. All sample shipments for analyses will be accompanied by a chain-of-custody record.
- Photographs – Document the work as completed

8.6 COMPLIANCE WITH SCAQMD RULE 1466

Based on the proposed excavation boundaries and depths shown on **Figures 4 and 5**, an estimated total of 1,892 cubic yards of soil will be excavated from the southern portion of the Site prior to or during comprehensive modernization activities. Based on projected volume of soil requiring excavation exceeding 50 cubic yards, SCAQMD's Rule 1466 – *Control of Particulate Emission from Soils with Toxic Air Contaminants* applies. Compliance with the provisions of Rule 1466 includes ambient PM10 monitoring, dust control measures, notification, signage, and recordkeeping requirements. Rule 1466 allows for alternative dust control measures and ambient dust concentration limits, provided the provisions are pre-approved by the Executive Officer. A copy of SCAQMD Rule 1466 is provided as **Appendix G**.

8.7 AIR MONITORING

8.7.1 Dust Monitoring

The Consultant shall monitor dust levels with both fixed (with data logging capability) and hand-held instruments:

- Upwind (fixed);
- Proximate to the exclusion zone (hand held, with the equipment operator);
- Up to three (3) Fence Line/Downwind locations (fixed); and
- As deemed necessary to evaluate employee exposure.

Should dust levels exceed 10% of the California OSHA Permissible Exposure Level (PEL) for lead of 0.05 mg/m^3 (i.e. 0.005 mg/m^3), the Consultant shall direct the Contractor to employ more robust dust suppression measure. If dust levels reach the PEL, then work shall stop until the level is reduced to 10%.

8.7.2 Meteorological Monitoring

Onsite ambient weather conditions (wind speed and direction, temperature, and relative humidity) will be monitored by the Consultant with an onsite meteorological station with data logger. This monitoring will be performed simultaneously with the excavation activities to verify necessary precautions have been taken.

8.8 PROPOSED SOIL SAMPLING PROGRAM

8.8.1 Confirmation Samples

Sidewall sampling locations are proposed for each of four sides of the excavation boundaries to supplement existing data, unless as noted the excavations terminate at the southern property line along the alley. The maximum distance between sidewall sampling locations is 25 linear feet. Bottom sampling locations are proposed within each excavation footprint to establish a defensible depth. The maximum coverage for each bottom sampling location is 400 square feet. The minimum number of excavation sidewall and bottom samples and their approximate locations have been proposed as a guideline on **Figures 4 and 5**.

Soil samples will be collected from excavation sidewall and bottom locations to confirm that hazardous lead does not remain in soil. Soil samples will be collected in laboratory-provided glass jars and submitted under chain-of-custody procedures to a state-certified laboratory for analysis.

Excavation sidewall and bottom confirmation samples will be collected and analyzed for soluble lead using the STLC. The excavation can be considered laterally and vertically defined and terminated when the results of all sidewall and bottom samples are below the STLC of 5 mg/L.

8.8.2 Quality Assurance/Quality Control Samples

At a minimum the following Quality Assurance/Quality Control samples (QA/QC) samples will be collected and analyzed:

- Field Duplicate – At least 10% of all samples collected should be field duplicates, to be analyzed for Total Lead using EPA Method 6010B (after homogenizing the two samples).
- Equipment Blank – Confirm proper decontamination procedures were used by collecting one equipment blank per 10 samples collected per day, to be analyzed for Total Lead using EPA Method 6010B.

8.9 TRANSPORTATION PLAN FOR OFF-SITE DISPOSAL

Management practices for excavated soil vary based on whether school is in session. Excavated soil will need to be containerized if students are in session during construction activities; otherwise, excavated soil may be stockpiled on visqueen and covered in accordance with SCAQMD protocols. Soil samples collected for the purposes of waste characterization will be lab-composited. In addition to soluble lead analyses, waste characterization samples should be analyzed for any other constituents required by the receiving facility.

The waste material will be profiled, and approval will be received from the disposal facility before soil is transported off-site for disposal. Based on the analytical results gathered during the PEA-E, soil impacted by soluble lead will be excavated from the Site and handled, transported, and disposed of as non-RCRA California hazardous (Cal-Haz) waste. Soil will be transported to a properly licensed landfill facility for lawful disposal. Final determination of the disposal facility will be subject to LAUSD and facility approval.

8.10 PRE- AND POST-REMOVAL CALCULATIONS

The 95 percent upper confidence level (95% UCL) was calculated for the entire existing arsenic and lead concentration data sets. Using the EPA ProUCL statistical software, the 95% UCL was calculated for the existing arsenic and lead data sets in addition to hypothetical data sets resulting from soil removal activities. The proposed removal scenario consisted of removing lead-impacted soil exceeding the Cal-Haz designation at the excavation locations shown on **Figures 4 and 5**.

The 95% UCL for existing arsenic concentrations prior to removal of Cal-Haz designated sampling locations is 2.936 mg/kg, below DTSC's upper bound estimate of 12 mg/kg. The 95% UCL for arsenic concentrations remaining in soil post-removal is 3.127 mg/kg, still below DTSC's upper bound estimate of 12 mg/kg.

The 95% UCL for existing lead concentrations prior to removal of Cal-Haz designated sampling locations is 92.58 mg/kg, above the DTSC's cleanup goal of 80 mg/kg. The 95% UCL for lead

concentrations remaining in soil post-removal is 58.37 mg/kg, below DTSC's cleanup goal of 80 mg/kg.

Based on the ProUCL calculations, the proposed remedial excavation measures will meet DTSC's cleanup goals for lead. EPA ProUCL calculations are provided in **Appendix G**.

8.11 REMOVAL ACTION COMPLETION REPORT

A Removal Action Completion Report (RACR), documenting all activities conducted pursuant to this PEA-E and certifying that activities have been conducted consistent with this PEA-E, will be prepared.

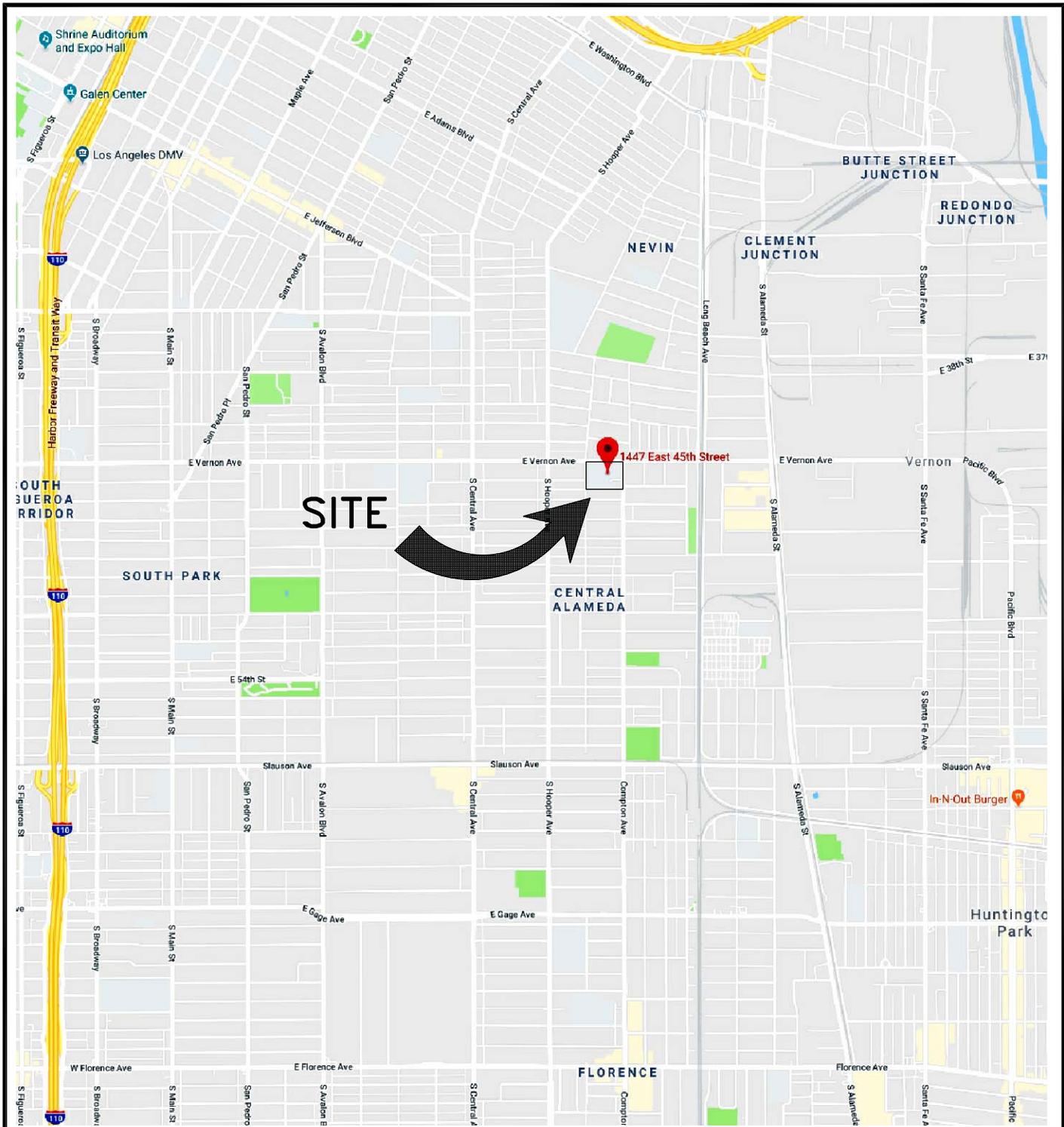
The RACR will include, but is not necessarily limited to, the following:

- Executive Summary
- Introduction
- Summary of Field Activities
- Summary of Laboratory Results
- Updated 95% UCL Calculations for Lead
- Conclusions and Recommendations
- Signature and Stamp of Engineer or Geologist responsible for the work
- Figures
- Tables
- Copies of Manifests and Weight Tickets (Appendix)
- Copies of all Laboratory Reports (Appendix)
- Photo-essay documenting the work with dates and descriptions (Appendix)
- Copies of Air Monitoring Records (Appendix)
- Copies of Daily Field Notes (Appendix)

9.0 REFERENCES

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FIGURES



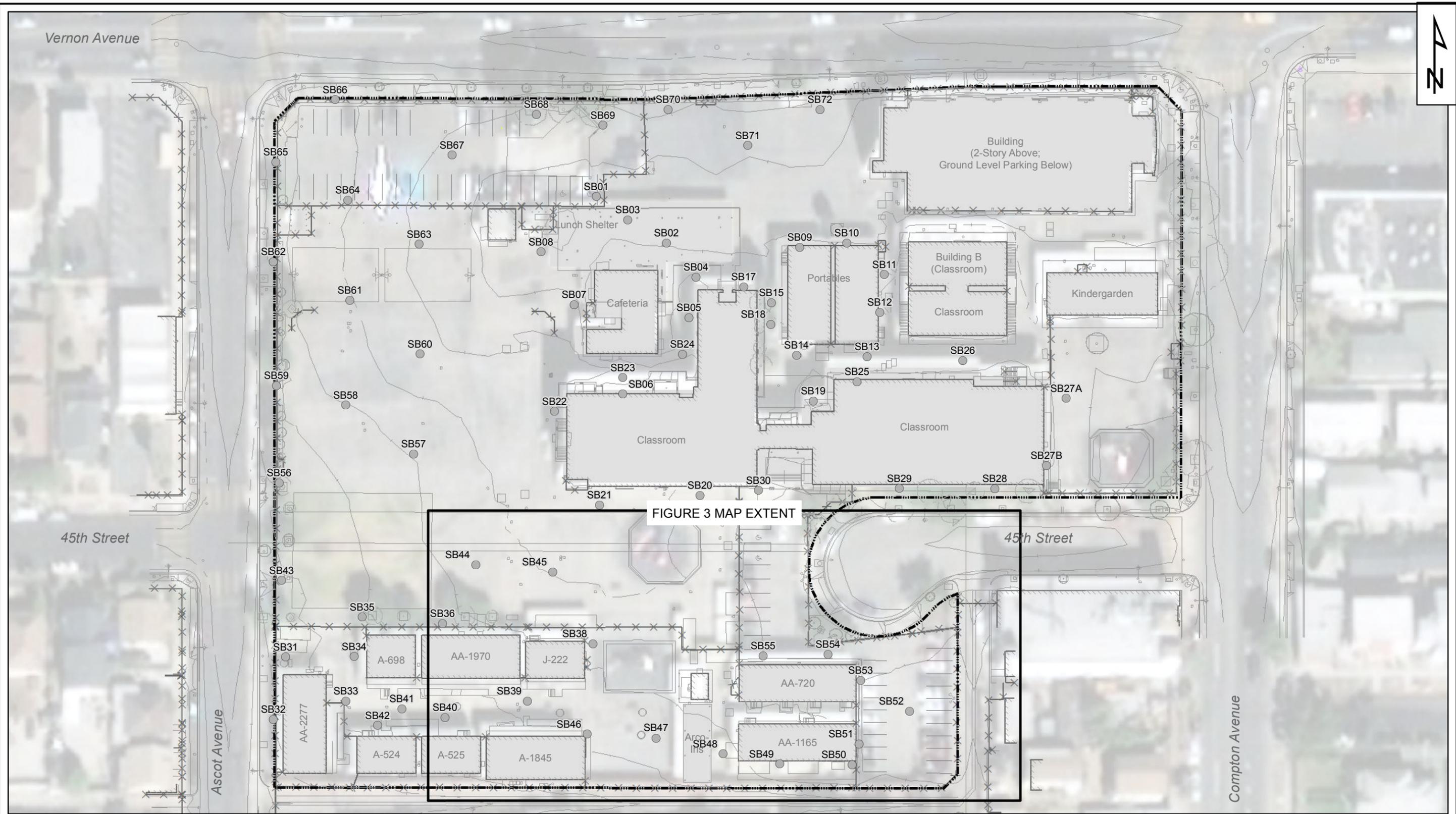
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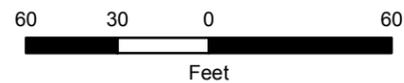
<p>SITE LOCATION MAP</p> <p>LAUSD ASCOT AVE. ELEMENTARY SCHOOL 1447 EAST 45th STREET LOS ANGELES, CA.</p>

FIGURE NO. 1
PROJECT NO. 180618



Legend

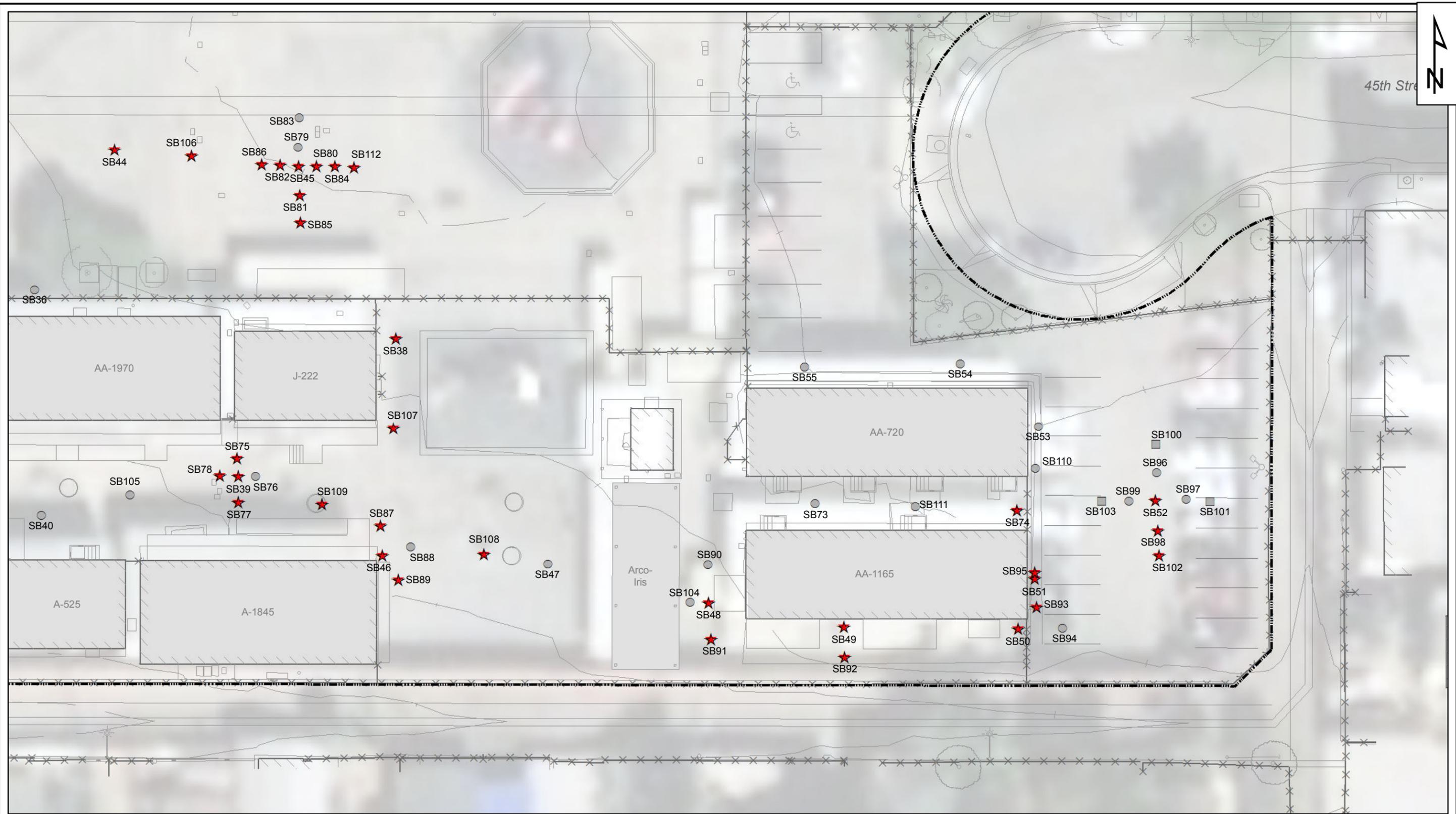
- Soil Sample Location - December 2018



DATE	
REVISED	3/20/2019
FILE	SampLocs2018_BL

Initial Soil Sampling Locations - December 2018
Ascot Avenue Elementary School 1447 East 45th Street Los Angeles, California

FIGURE NO. 2
PROJECT NO. 180618



Legend

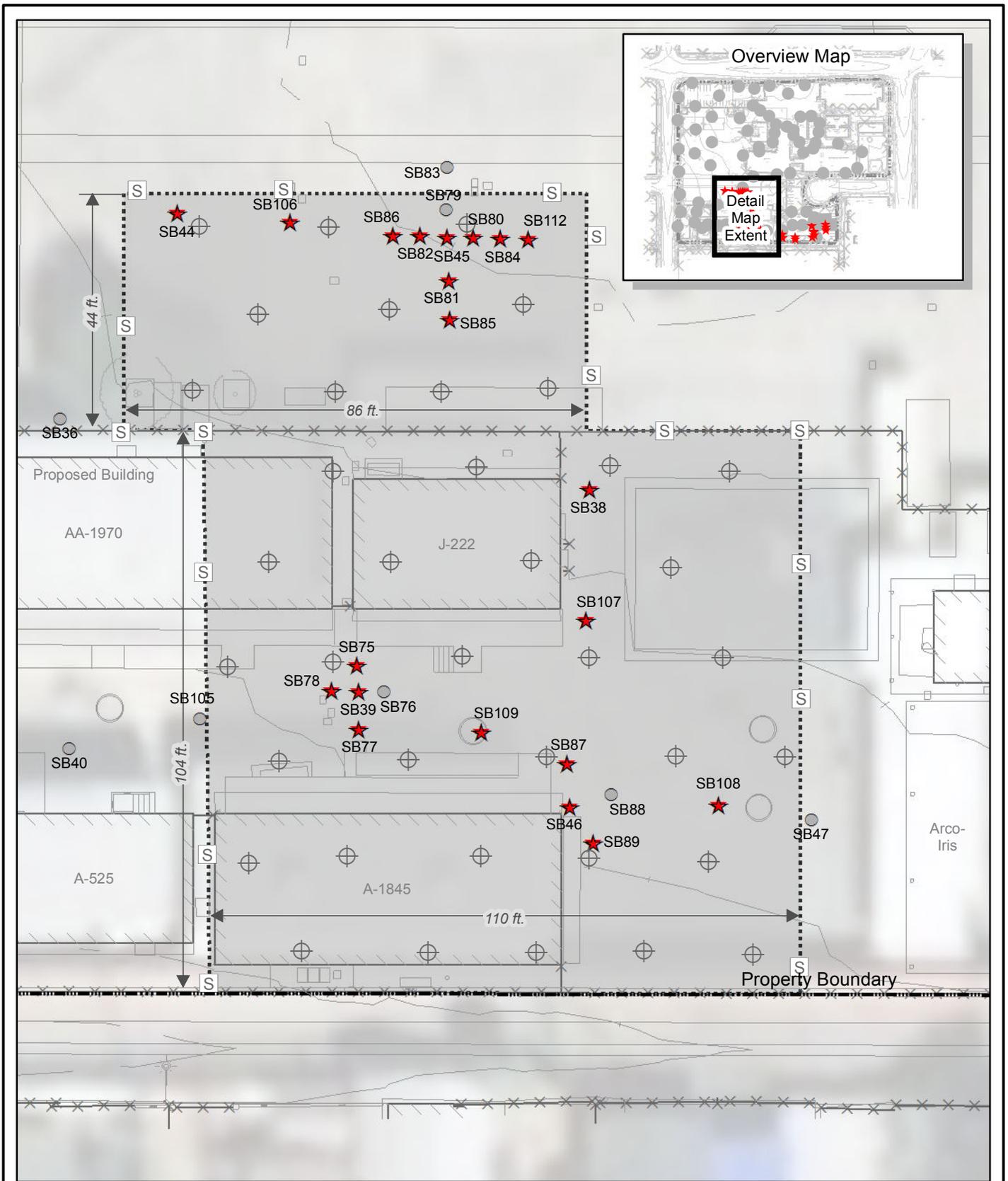
- ★ Cal Haz
- Soil Sample Location Where No Further Action is Required
- Soil Sample Location - Analysis Not Required



DATE	
REVISED	3/20/2019
FILE	StepOuts_BL

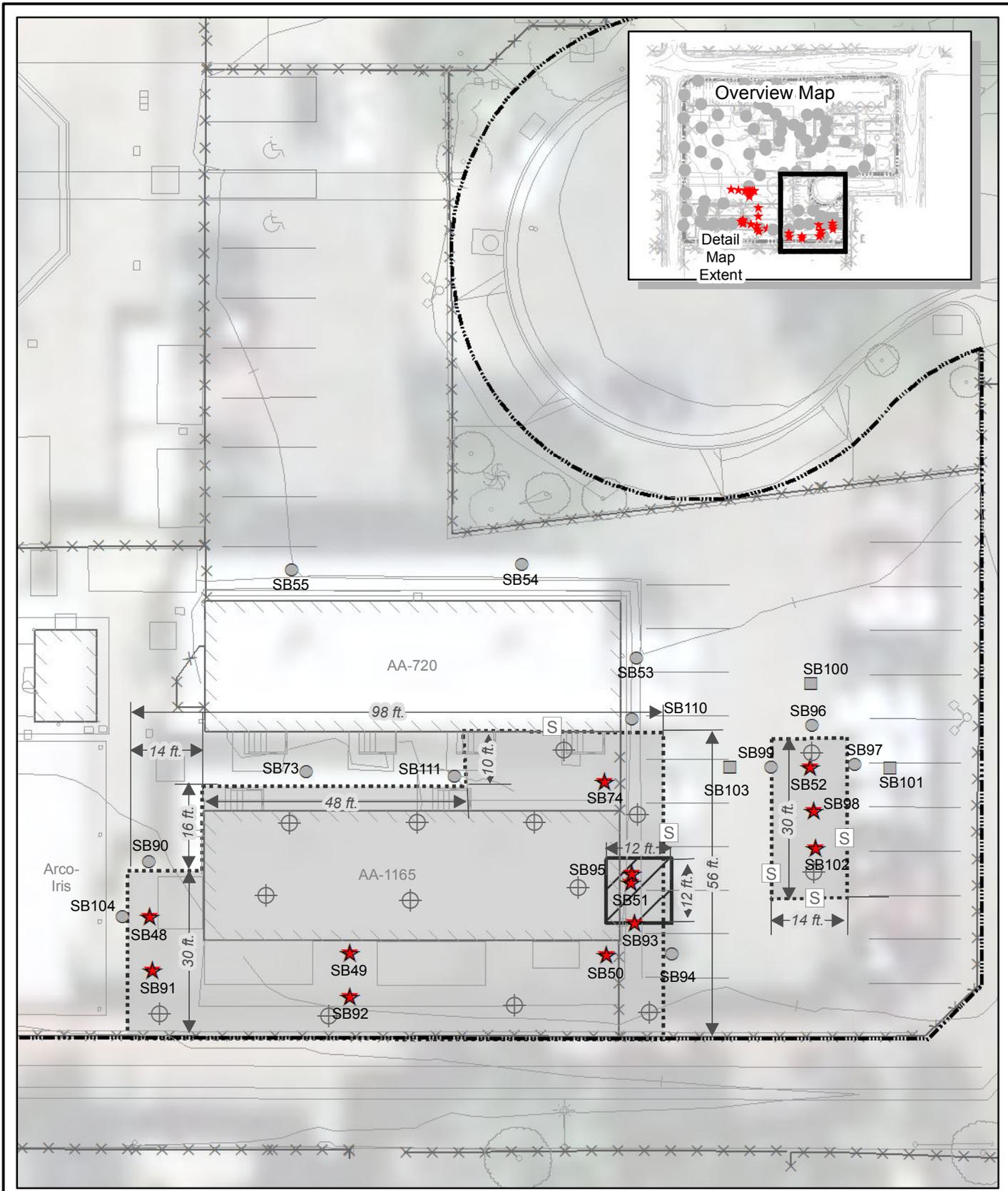
<p>Step-Out Soil Sampling Locations - January and February 2019</p> <p>Ascot Avenue Elementary School 1447 East 45th Street Los Angeles, California</p>

FIGURE NO. 3
PROJECT NO. 180618



<p>DATE 3/27/2019</p>	<p>Legend</p> <ul style="list-style-type: none"> ★ Cal Haz ● Soil Sample Location Where No Further Action is Required ⊕ Proposed Bottom Sampling Location Ⓢ Proposed Sidewall Sampling Location <div style="border: 1px dashed black; padding: 5px; display: inline-block; margin-top: 10px;"> Proposed Excavation Depth of 2.5 feet </div>	<p style="text-align: center;">N</p> <p style="text-align: center;">0 12.5 25</p> <p style="text-align: center;">Feet</p> <p>Project# 180618 File: SWQuad_AP v2</p>	<p style="text-align: center;">FIGURE 4</p> <p style="text-align: center;">Projected Westerly Excavation Boundaries and Confirmation Sampling Locations</p> <p style="text-align: center;">Ascot Avenue Elementary School 1447 East 45th Street Los Angeles, California</p>
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<p>DATE 3/27/2019</p>	<p>Legend</p> <ul style="list-style-type: none"> ★ Cal Haz ● Soil Sample Location Where No Further Action is Required ■ Soil Sample Location - Analysis Not Required ⊕ Proposed Bottom Sampling Location S Proposed Sidewall Sampling Location ▭ Proposed Excavation Depth of 2.5 feet ▭ Proposed Excavation Depth of 3 feet 	<p style="text-align: center;">N</p> <p style="text-align: center;">0 12.5 25</p> <p style="text-align: center;">Feet</p> <p>Project# 180618 File: SEQuad_AP v2</p>	<p style="text-align: center;">FIGURE 5 Projected Easterly Excavation Boundaries and Confirmation Sampling Locations</p> <p style="text-align: center;">Ascot Avenue Elementary School 1447 East 45th Street Los Angeles, California</p>
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TABLES

Table 1 - Summary of All Arsenic and Lead Detections in Soil
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION [N - North/ S - South of 45th Street Ext.]	Arsenic by EPA Method 6020 (mg/kg)	Lead by EPA Method 6010B (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					12^a	80^b	5^c	5^c
SB01	SB01d0.5	0.5	12/19/18	N	2.9	4.4	-	-
SB02	SB02d0.5	0.5	12/20/18	N	2.2	15	-	-
SB03	SB03d0.5	0.5	12/20/18	N	2.8	13	-	-
	SB03d1.5	1.5	12/20/18	N	2.2	4.5	-	-
	SB03d2.5	2.5	12/20/18	N	1.8	6.1	-	-
SB04	SB04d0.5	0.5	12/20/18	N	2.0	6.9	-	-
	SB04d1.5	1.5	12/20/18	N	1.2	31	-	-
	SB04d2.5	2.5	12/20/18	N	1.1	2.4	-	-
SB05	SB05d0.5	0.5	12/21/18	N	3.0	5.4	-	-
SB06	SB06d0.5	0.5	12/21/18	N	1.3	20	-	-
SB07	SB07d0.5	0.5	12/21/18	N	2.7	24	-	-
SB08	SB08d0.5	0.5	12/21/18	N	2.6	4.7	-	-
SB09	SB09d0.5	0.5	12/26/18	N	1.9	7.6	-	-
SB10	SB10d0.5	0.5	12/26/18	N	1.3	43	-	-
SB11	SB11d0.5	0.5	12/26/18	N	1.6	73	-	-
SB12	SB12d0.5	0.5	12/26/18	N	1.4	110	-	-
	SB12d1.5	1.5	12/26/18	N	-	2.7	-	-
SB13	SB13d0.5	0.5	12/26/18	N	1.5	40	-	-
SB14	SB14d0.5	0.5	12/26/18	N	1.9	160	1.2	-
	Duplicate	0.5	12/26/18	N	1.5	43	-	-
	SB14d1.5	1.5	12/26/18	N	-	21	-	-
SB15	SB15d0.5	0.5	12/26/18	N	1.4	30	-	-
SB17	SB17d0.5	0.5	12/21/18	N	1.8	190	4.6	-
	SB17d1.5	1.5	12/21/18	N	-	46	-	-
SB18	SB18d0.5	0.5	12/21/18	N	4.0	6.2	-	-
SB19	SB19d0.5	0.5	12/21/18	N	7.3	70	-	-
SB20	SB20d0.5	0.5	12/20/18	N	3.5	35	-	-
	SB20d1.5	1.5	12/20/18	N	3.6	2.7	-	-
	SB20d2.5	2.5	12/20/18	N	1.6	1.9	-	-
SB21	SB21d0.5	0.5	12/20/18	N	2.9	53	-	-
SB22	SB22d0.5	0.5	12/20/18	N	1.8	14	-	-
SB23	SB23d0.5	0.5	12/20/18	N	2.1	29	-	-
	SB23d1.5	1.5	12/20/18	N	<1.5	6.9	-	-
	SB23d2.5	2.5	12/20/18	N	1.0	10	-	-
SB24	SB24d0.5	0.5	12/20/18	N	1.5	98	-	-
	Duplicate	0.5	12/20/18	N	1.6	81	-	-
	SB24d1.5	1.5	12/20/18	N	1.3	3.6	-	-
	SB24d2.5	2.5	12/20/18	N	1.4	1.9	-	-
SB25	SB25d0.5	0.5	12/21/18	N	5.7	16	-	-
	Duplicate	0.5	12/21/18	N	5.8	25	-	-
SB26	SB26d0.5	0.5	12/21/18	N	5.2	35	-	-
SB27	SB27Ad0.5	0.5	12/21/18	N	8.3	10	-	-
	SB27Bd0.5	0.5	12/21/18	N	4.1	9.8	-	-
SB28	SB28d0.5	0.5	12/21/18	N	4.3	32	-	-
SB29	SB29d0.5	0.5	12/21/18	N	3.3	320	3.1	-
	Duplicate	0.5	12/21/18	N	3.6	31	-	-
	SB29d1.5	1.5	12/21/18	N	-	17	-	-

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1447 East 45th Street
Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION [N - North/ S - South of 45th Street Ext.]	Arsenic by EPA Method 6020 (mg/kg)	Lead by EPA Method 6010B (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					12^a	80^b	5^c	5^c
SB30	SB30d0.5	0.5	12/21/18	N	12	87	-	-
	SB30d1.5	1.5	12/21/18	N	-	11	-	-
SB31	SB31d0.5	0.5	12/20/18	S	3.5	110	-	-
	SB31d1.5	1.5	12/20/18	S	1.0	14	-	-
	SB31d2.5	2.5	12/20/18	S	0.8	1.2	-	-
SB32	SB32d0.5	0.5	12/20/18	S	1.2	37	-	-
	SB32d1.5	1.5	12/20/18	S	1.7	1.6	-	-
	SB32d2.5	2.5	12/20/18	S	1.1	1.9	-	-
SB33	SB33d0.5	0.5	12/20/18	S	2.3	21	-	-
	SB33d1.5	1.5	12/20/18	S	1.8	74	-	-
	SB33d2.5	2.5	12/20/18	S	0.96	1.8	-	-
SB34	SB34d0.5	0.5	12/19/18	S	3.0	120	2.1	-
	SB34d1.5	1.5	12/19/18	S	-	23	-	-
SB35	SB35d0.5	0.5	12/18/18	S	2.7	33	-	-
SB36	SB36d0.5	0.5	12/19/18	S	2.8	61	-	-
SB38	SB38d0.5	0.5	12/19/18	S	1.6	10	-	-
	SB38d1.5	1.5	12/19/18	S	-	61	5.8	-
	SB38d2.5	2.5	12/19/18	S	-	1.5 J	-	-
SB39	SB39d0.5	0.5	12/19/18	S	3.4	170	15	0.16
	SB39d1.5	1.5	12/19/18	S	-	4.0	0.42	-
SB40	SB40d0.5	0.5	12/19/18	S	1.5	51	-	-
SB41	SB41d0.5	0.5	12/19/18	S	3.4	42	-	-
SB42	SB42d0.5	0.5	12/19/18	S	2.2	8.2	-	-
SB43	SB43d0.5	0.5	12/18/18	S	2.7	53	-	-
SB44	SB44d0.5	0.5	12/19/18	S	2.0	42	-	-
	SB44d1.5	1.5	12/19/18	S	-	-	25	-
	SB44d2.5	2.5	12/19/18	S	-	220	-	-
SB45	SB45d0.5	0.5	12/19/18	S	14	240	12	0.15
	SB45d1.5	1.5	12/19/18	S	-	290	22	0.12
	SB45d2.5	2.5	12/19/18	S	-	-	2.7	-
SB46	SB46d0.5	0.5	12/19/18	S	4.5	180	11	0.054
	SB46d1.5	1.5	12/19/18	S	-	2.4	0.08	-
SB47	SB47d0.5	0.5	12/20/18	S	1.6	73	-	-
	SB47d1.5	1.5	12/20/18	S	1.8	63	-	-
	SB47d2.5	2.5	12/20/18	S	2.1	100	-	-
SB48	SB48d0.5	0.5	12/20/18	S	2.6	61	-	-
	SB48d1.5	1.5	12/20/18	S	2.5	230	54	0.072J
	SB48d2.5	2.5	12/20/18	S	1.3	2.6	-	-
SB49	SB49d0.5	0.5	12/20/18	S	4.3	61	-	-
	SB49d1.5	1.5	12/20/18	S	2.8	220	21	0.34
	SB49d2.5	2.5	12/20/18	S	1.6	13	-	-
SB50	SB50d0.5	0.5	12/20/18	S	4.1	70	-	-
	SB50d1.5	1.5	12/20/18	S	3.7	170	12	-
	SB50d2.5	2.5	12/20/18	S	1.6	2.5	-	-
SB51	SB51d0.5	0.5	12/20/18	S	2.9	62	-	-
	SB51d1.5	1.5	12/20/18	S	2.7	31	-	-
	SB51d2.5	2.5	12/20/18	S	2.2	160	11	-

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Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION [N - North/ S - South of 45th Street Ext.]	Arsenic by EPA Method 6020 (mg/kg)	Lead by EPA Method 6010B (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					12^a	80^b	5^c	5^c
SB52	SB52d0.5	0.5	12/20/18	S	3.6	170	5.5	-
	Duplicate	0.5	12/20/18	S	4.1	180	-	-
	SB52d1.5	1.5	12/20/18	S	1.2	2.1	-	-
	SB52d2.5	2.5	12/20/18	S	0.95	1.5	-	-
SB53	SB53d0.5	0.5	12/20/18	S	3.1	38	-	-
	SB53d1.5	1.5	12/20/18	S	3.3	2.7	-	-
	SB53d2.5	2.5	12/20/18	S	2.2	2.0	-	-
SB54	SB54d0.5	0.5	12/20/18	S	3.3	27	-	-
	SB54d1.5	1.5	12/20/18	S	1.1	2.5	-	-
	SB54d2.5	2.5	12/20/18	S	1.2	2.3	-	-
SB55	SB55d0.5	0.5	12/20/18	S	1.3	4.4	-	-
	SB55d1.5	1.5	12/20/18	S	1.3	2.9	-	-
	SB55d2.5	2.5	12/20/18	S	1.3	2.0	-	-
SB56	SB56d0.5	0.5	12/18/18	N	2.3	40	-	-
	Duplicate	0.5	12/18/18	N	3.6	43	-	-
SB57	SB57d0.5	0.5	12/19/18	N	2.3	84	-	-
	Duplicate	0.5	12/19/18	N	3.1	35	-	-
	SB57d1.5	1.5	12/19/18	N	-	170	-	-
SB58	SB58d0.5	0.5	12/19/18	N	3.0	60	-	-
SB59	SB59d0.5	0.5	12/18/18	N	3.0	85	-	-
	SB59d1.5	1.5	12/18/18	N	-	3.1	-	-
SB60	SB60d0.5	0.5	12/19/18	N	2.5	54	-	-
SB61	SB61d0.5	0.5	12/19/18	N	2.6	120	-	-
	SB61d1.5	1.5	12/19/18	N	-	27	-	-
SB62	SB62d0.5	0.5	12/18/18	N	3.3	48	-	-
SB63	SB63d0.5	0.5	12/19/18	N	1.8	40	-	-
	Duplicate	0.5	12/19/18	N	1.4	31	-	-
SB64	SB64d0.5	0.5	12/19/18	N	10	120	-	-
	SB64d1.5	1.5	12/19/18	N	-	16	-	-
SB65	SB65d0.5	0.5	12/18/18	N	5.3	27	-	-
SB66	SB66d0.5	0.5	12/18/18	N	4.3	33	-	-
SB67	SB67d0.5	0.5	12/19/18	N	2.2	19	-	-
SB68	SB68d0.5	0.5	12/18/18	N	3.7	96	-	-
	Duplicate	0.5	12/18/18	N	3.7	94	-	-
	SB68d1.5	1.5	12/18/18	N	-	3.8	-	-
SB69	SB69d0.5	0.5	12/20/18	N	1.6	59	-	-
	SB69d1.5	1.5	12/20/18	N	1.5	26	-	-
	SB69d2.5	2.5	12/20/18	N	1.4	33	-	-
SB70	SB70d0.5	0.5	12/26/18	N	<1.5	34	-	-
SB71	SB71d0.5	0.5	12/26/18	N	2.0	28	-	-
	Duplicate	0.5	12/26/18	N	1.7	32	-	-
SB72	SB72d0.5	0.5	12/26/18	N	1.8	40	-	-
SB73	SB73d0.5	0.5	01/21/19	S	-	55	-	-
SB74	SB74d0.5	0.5	01/21/19	S	-	120	2.9	-
	SB74d1.5	1.5	01/21/19	S	-	-	5.8	-

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SCREENING LEVELS					12^a	80^b	5^c	5^c
SB75	SB75d0.5	0.5	01/21/19	S	-	190	16	-
	SB75d1.5	1.5	01/21/19	S	-	130	-	-
	SB75d2.5	2.5	01/21/19	S	-	3.0	-	-
SB76	SB76d0.5	0.5	01/21/19	S	-	92	-	-
	SB76d1.5	1.5	01/21/19	S	-	56	-	-
SB77	SB77d0.5	0.5	01/21/19	S	-	150	-	-
	SB77d1.5	1.5	01/21/19	S	-	18	-	-
SB78	SB78d0.5	0.5	01/21/19	S	-	34	-	-
	SB78d1.5	1.5	01/21/19	S	-	160	13	-
	SB78d2.5	2.5	01/21/19	S	-	2.1	-	-
SB79	SB79d0.5	0.5	01/21/19	S	-	60	-	-
	Duplicate	0.5	01/21/19	S	-	73	-	-
	SB79d1.5	1.5	01/21/19	S	-	140	-	-
	SB79d2.5	2.5	01/21/19	S	-	3.6	-	-
SB80	SB80d0.5	0.5	01/21/19	S	-	85	-	-
	SB80d1.5	1.5	01/21/19	S	-	810	-	0.38
	SB80d2.5	2.5	01/21/19	S	-	63	-	-
SB81	SB81d0.5	0.5	01/21/19	S	-	77	-	-
	SB81d1.5	1.5	01/21/19	S	-	280	-	-
	SB81d2.5	2.5	01/21/19	S	-	6.0	-	-
SB82	SB82d0.5	0.5	01/21/19	S	-	19	-	-
	SB82d1.5	1.5	01/21/19	S	-	390	-	0.14
	SB82d2.5	2.5	01/21/19	S	-	84	-	-
SB83	SB83d0.5	0.5	01/21/19	S	-	-	-	-
	Duplicate	0.5	01/21/19	S	-	77	-	-
	SB83d1.5	1.5	01/21/19	S	-	120	3.8	-
SB84	SB84d0.5	0.5	02/18/19	S	-	-	-	-
	SB84d1.5	1.5	02/18/19	S	-	-	31	-
	SB84d2.5	2.5	02/18/19	S	-	38	-	-
SB85	SB85d0.5	0.5	02/18/19	S	-	-	-	-
	SB85d1.5	1.5	02/18/19	S	-	-	12	-
	SB85d2.5	2.5	02/18/19	S	-	7.9	-	-
SB86	SB86d0.5	0.5	01/21/19	S	-	-	-	-
	SB86d1.5	1.5	01/21/19	S	-	-	14	-
	SB86d2.5	2.5	01/21/19	S	-	52	-	-
SB87	SB87d0.5	0.5	01/21/19	S	-	140	14	-
	SB87d1.5	1.5	01/21/19	S	-	240	14	-
	SB87d2.5	2.5	01/21/19	S	-	2.7	-	-
SB88	SB88d0.5	0.5	01/21/19	S	-	47	-	-
	SB88d1.5	1.5	01/21/19	S	-	Not sampled	Not sampled	Not sampled
	SB88d2.5	2.5	01/21/19	S	-	2.3	-	-
SB89	SB89d0.5	0.5	01/21/19	S	-	200	15	-
	SB89d1.5	1.5	01/21/19	S	-	37	-	-
SB90	SB90d0.5	0.5	01/21/19	S	-	-	-	-
	SB90d1.5	1.5	01/21/19	S	-	35	1.2	-
SB91	SB91d0.5	0.5	01/21/19	S	-	-	-	-
	SB91d1.5	1.5	01/21/19	S	-	-	11	-

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SCREENING LEVELS					12^a	80^b	5^c	5^c
SB92	SB92d0.5	0.5	01/21/19	S	-	-	-	-
	SB92d1.5	1.5	01/21/19	S	-	-	14	-
SB93	SB93d0.5	0.5	01/21/19	S	-	-	-	-
	SB93d1.5	1.5	01/21/19	S	-	-	9.7	-
	SB93d2.5	2.5	01/21/19	S	-	90	-	-
SB94	SB94d0.5	0.5	01/21/19	S	-	-	-	-
	SB94d1.5	1.5	01/21/19	S	-	49	3.1	-
	SB94d2.5	2.5	01/21/19	S	-	12	-	-
SB95	SB95d2.5	2.5	02/18/19	S	-	-	11	-
	Duplicate	2.5	02/18/19	S	-	-	7.3	-
	SB95d3.0	3.0	02/18/19	S	-	84	4.9	-
SB96	SB96d0.5	0.5	02/18/19	S	-	47	2.6	-
	SB96d1.5	1.5	02/18/19	S	-	45	-	-
SB97	SB97d0.5	0.5	02/18/19	S	-	44	2.8	-
	SB97d1.5	1.5	02/18/19	S	-	19	-	-
SB98	SB98d0.5	0.5	02/18/19	S	-	-	1.4	-
	SB98d1.5	1.5	02/18/19	S	-	250	32	-
	SB98d2.5	2.5	02/18/19	S	-	3.5	-	-
SB99	SB99d0.5	0.5	02/18/19	S	-	-	2.6	-
	SB99d1.5	1.5	02/18/19	S	-	61	-	-
SB102	SB102d0.5	0.5	02/18/19	S	-	-	-	-
	SB102d1.5	1.5	02/18/19	S	-	140	11	-
	SB102d2.5	2.5	02/18/19	S	-	1.9	-	-
SB104	SB104d0.5	0.5	01/21/19	S	-	-	-	-
	SB104d1.5	1.5	01/21/19	S	-	3.6	0.18	-
SB105	SB105d0.5	0.5	02/18/19	S	-	-	-	-
	SB105d1.5	1.5	02/18/19	S	-	*	0.47	-
	SB105d2.5	2.5	02/18/19	S	-	4.2	-	-
SB106	SB106d0.5	0.5	02/18/19	S	-	-	-	-
	SB106d1.5	1.5	02/18/19	S	-	-	23	-
	Duplicate	1.5	02/18/19	S	-	-	11	-
	SB106d2.5	2.5	02/18/19	S	-	160	-	-
SB107	SB107d0.5	0.5	02/18/19	S	-	-	-	-
	SB107d1.5	1.5	02/18/19	S	-	-	9.9	-
	SB107d2.5	2.5	02/18/19	S	-	18	-	-
SB108	SB108d0.5	0.5	02/18/19	S	-	-	-	-
	SB108d1.5	1.5	02/18/19	S	-	-	17	-
	SB108d2.5	2.5	02/18/19	S	-	2.2	-	-
SB109	SB109d0.5	0.5	02/18/19	S	-	-	-	-
	SB109d1.5	1.5	02/18/19	S	-	-	55	-
	SB109d2.5	2.5	02/18/19	S	-	2.1	-	-
SB110	SB110d0.5	0.5	02/18/19	S	-	-	-	-
	SB110d1.5	1.5	02/18/19	S	-	48	4.2	-
SB111	SB111d0.5	0.5	02/18/19	S	-	-	-	-
	SB111d1.5	1.5	02/18/19	S	-	22	0.94	-

Table 1 - Summary of All Arsenic and Lead Detections in Soil
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION [N - North/ S - South of 45th Street Ext.]	Arsenic by EPA Method 6020 (mg/kg)	Lead by EPA Method 6010B (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					12^a	80^b	5^c	5^c
SB112	SB112d0.5	0.5	02/18/19	S	-	-	-	-
	SB112d1.5	1.5	02/18/19	S	-	-	26	-
	SB112d2.5	2.5	02/18/19	S	-	50	-	-

Notes:

- denotes not analyzed

ND - denotes result not detected above method detection limit

Bold where detection exceeds the preliminary screening level of 80 mg/kg

where detection exceeds the STLC of 5 mg/L

a - denotes screening level derived from "Determination of a Southern California Regional Background Arsenic Concentration in Soil" by G. Chernoff, W. Bosan, and D. Oudiz, California Department of Toxic Substances Control.

b - denotes screening level derived from "Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers," by the Department of Toxic Substances Control, Revised 06/09/06.

c - denotes screening level for STLC/Cal-Haz and TCLP/RCRA-Haz waste classification.

Table 2 - Summary of Lead Detections in Soil by Removal Area
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION	Lead (EPA Method 6010B) (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					80^b	5^c	5^c
SB39	SB39d0.5	0.5	12/19/18	Between J-222 and A-1845	170	15	0.16
	SB39d1.5	1.5			4.0	0.42	-
SB75	SB75d0.5	0.5	01/21/19	5 feet north of SB39	190	16	-
	SB75d1.5	1.5			130	-	-
	SB75d2.5	2.5			3.0	-	-
SB76	SB76d0.5	0.5	01/21/19	5 feet east of SB39	92	-	-
	SB76d1.5	1.5			56	-	-
SB77	SB77d0.5	0.5	01/21/19	7 feet south of SB39	150	-	-
	SB77d1.5	1.5			18	-	-
SB78	SB78d0.5	0.5	01/21/19	5 feet west of SB39	34	-	-
	SB78d1.5	1.5			160	13	-
	SB78d2.5	2.5			2.1	-	-
SB105	SB105d0.5	0.5	02/18/19	30 feet west of SB39	-	-	-
	SB105d1.5	1.5			*	0.47	-
	SB105d2.5	2.5			4.2	-	-

Table 2 - Summary of Lead Detections in Soil by Removal Area
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION	Lead (EPA Method 6010B) (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					80^b	5^c	5^c
SB45	SB45d0.5	0.5	12/19/18	North of J-222	240	12	0.15
	SB45d1.5	1.5			290	22	0.12
	SB45d2.5	2.5			-	2.7	-
SB79	SB79d0.5	0.5	01/21/19	5 feet north of SB45	60	-	-
	SB79d1.5	1.5			140	-	-
	SB79d2.5	2.5			3.6	-	-
SB83	SB83d0.5	0.5	01/21/19	13 feet north of SB45	-	-	-
	SB83d1.5	1.5			120	3.8	-
SB80	SB80d0.5	0.5	01/21/19	5 feet east of SB45	85	-	-
	SB80d1.5	1.5			810	-	0.38
	SB80d2.5	2.5			63	-	-
SB84	SB84d0.5	0.5	02/18/19	10 feet east of SB45	-	-	-
	SB84d1.5	1.5			-	31	-
	SB84d2.5	2.5			38	-	-
SB112	SB112d0.5	0.5	02/18/19	15 feet east of SB45	-	-	-
	SB112d1.5	1.5			-	26	-
	SB112d2.5	2.5			50	-	-
SB81	SB81d0.5	0.5	01/21/19	8 feet south of SB45	77	-	-
	SB81d1.5	1.5			280	-	-
	SB81d2.5	2.5			6.0	-	-
SB85	SB85d0.5	0.5	02/18/19	15 feet south of SB45	-	-	-
	SB85d1.5	1.5			-	12	-
	SB85d2.5	2.5			7.9	-	-
SB82	SB82d0.5	0.5	01/21/19	5 feet west of SB45	19	-	-
	SB82d1.5	1.5			390	-	0.14
	SB82d2.5	2.5			84	-	-
SB86	SB86d0.5	0.5	01/21/19	10 feet west of SB45	-	-	-
	SB86d1.5	1.5			-	14	-
	SB86d2.5	2.5			52	-	-
SB106	SB106d0.5	0.5	02/18/19	30 feet west of SB45	-	-	-
	SB106d1.5	1.5			-	23	-
	SB106d2.5	2.5			160	-	-
SB44	SB44d0.5	0.5	12/19/18	50 feet west of SB45	42	-	-
	SB44d1.5	1.5			-	25	-
	SB44d2.5	2.5			220	-	-

Table 2 - Summary of Lead Detections in Soil by Removal Area
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION	Lead (EPA Method 6010B) (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					80^b	5^c	5^c
SB46	SB46d0.5	0.5	12/19/18	Northeast corner of J-222	180	11	0.054
	SB46d1.5	1.5			2.4	0.08	-
SB87	SB87d0.5	0.5	01/21/19	8 feet north of SB46	140	14	-
	SB87d1.5	1.5			240	14	-
	SB87d2.5	2.5			2.7	-	-
SB107	SB107d0.5	0.5	02/18/19	35 feet north of SB46	-	-	-
	SB107d1.5	1.5			-	9.9	-
	SB107d2.5	2.5			18	-	-
SB38	SB38d0.5	0.5	12/19/18	61 feet north of SB46	10	-	-
	SB38d1.5	1.5			61	5.8	-
	SB38d2.5	2.5			1.5 J	-	-
SB109	SB109d0.5	0.5	02/18/19	21 feet northeast of SB46	-	-	-
	SB109d1.5	1.5			-	55	-
	SB109d2.5	2.5			2.1	-	-
SB88	SB88d0.5	0.5	01/21/19	8 feet west of SB46	47	-	-
	SB88d1.5	1.5			No sample	No sample	No sample
	SB88d2.5	2.5			2.3	-	-
SB108	SB108d0.5	0.5	02/18/19	28 feet east of SB46	-	-	-
	SB108d1.5	1.5			-	17	-
	SB108d2.5	2.5			2.2	-	-
SB47	SB47d0.5	0.5	12/20/18	45 feet east of SB46	73	-	-
	SB47d1.5	1.5			63	-	-
	SB47d2.5	2.5			100	-	-
SB89	SB89d0.5	0.5	01/21/19	8 feet southwest of SB46	200	15	-
	SB89d1.5	1.5			37	-	-
SB48	SB48d0.5	0.5	12/20/18	Between S-8 and AA-1165	61	-	-
	SB48d1.5	1.5			230	54	0.072J
	SB48d2.5	2.5			2.6	-	-
SB90	SB90d0.5	0.5	01/21/19	10 feet north of SB48	-	-	-
	SB90d1.5	1.5			35	1.2	-
SB91	SB91d0.5	0.5	01/21/19	10 feet south of SB48	-	-	-
	SB91d1.5	1.5			-	11	-
SB104	SB104d0.5	0.5	01/21/19	5 feet west of SB48	-	-	-
	SB104d1.5	1.5			3.6	0.18	-
SB49	SB49d0.5	0.5	12/20/18	South of AA-1165	61	-	-
	SB49d1.5	1.5			220	21	0.34
	SB49d2.5	2.5			13	-	-
SB92	SB92d0.5	0.5	01/21/19	8 feet south of SB49	-	-	-
	SB92d1.5	1.5			-	14	-

Table 2 - Summary of Lead Detections in Soil by Removal Area
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION	Lead (EPA Method 6010B) (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					80^b	5^c	5^c
SB50	SB50d0.5	0.5	12/20/18	Southeast corner of AA-1165	70	-	-
	SB50d1.5	1.5			170	12	-
	SB50d2.5	2.5			2.5	-	-
SB93	SB93d0.5	0.5	01/21/19	8 feet northeast of SB50	-	-	-
	SB93d1.5	1.5			-	9.7	-
	SB93d2.5	2.5			90	-	-
SB94	SB94d0.5	0.5	01/21/19	12 feet east/southeast of SB50	-	-	-
	SB94d1.5	1.5			49	3.1	-
	SB94d2.5	2.5			12	-	-
SB51	SB51d0.5	0.5	12/20/18	East of AA-1165	62	-	-
	SB51d1.5	1.5			31	-	-
	SB51d2.5	2.5			160	11	-
SB95	SB95d2.5	2.5	02/18/19	2 feet north of SB51 (vertical delineation)	-	11	-
	SB95d3.0	3.0			84	4.9	-
	SB95d4.0	4.0			-	-	-
	SB95d5.0	5.0			-	-	-
SB74	SB74d0.5	0.5	01/21/19	18 feet north of SB51	120	2.9	-
	SB74d1.5	1.5			-	5.8	-
SB111	SB111d0.5	0.5	02/18/19	28 feet west of SB74	-	-	-
	SB111d1.5	1.5			22	0.94	-
	SB111d2.5	2.5			-	-	-
SB110	SB110d0.5	0.5	02/18/19	30 feet north of SB51	-	-	-
	SB110d1.5	1.5			48	4.2	-
	SB110d2.5	2.5			-	-	-
SB53	SB53d0.5	0.5	12/20/18	41 feet north of SB51	38	-	-
	SB53d1.5	1.5			2.7	-	-
	SB53d2.5	2.5			2.0	-	-

Table 2 - Summary of Lead Detections in Soil by Removal Area
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

LOCATION	SAMPLE	DEPTH	SAMPLE DATE	SAMPLE LOCATION	Lead (EPA Method 6010B) (mg/kg)	Lead (STLC) (mg/L)	Lead (TCLP) (mg/L)
SCREENING LEVELS					80^b	5^c	5^c
SB52	SB52d0.5	0.5	12/20/18	S	170	5.5	-
	SB52d1.5	1.5		S	2.1	-	-
	SB52d2.5	2.5		S	1.5	-	-
SB96	SB96d0.5	0.5	02/18/19	6 feet north of SB52	47	2.6	-
	SB96d1.5	1.5			45	-	-
SB100	SB96d0.5	0.5	02/18/19	15 feet north of SB52	-	-	-
	SB96d1.5	1.5			-	-	-
SB97	SB97d0.5	0.5	02/18/19	7.5 feet east of SB52	44	2.8	-
	SB97d1.5	1.5			19	-	-
SB101	SB101d0.5	0.5	02/18/19	15 feet east of SB52	-	-	-
	SB101d1.5	1.5			-	-	-
SB98	SB98d0.5	0.5	02/18/19	7.5 feet south of SB52	-	1.4	-
	SB98d1.5	1.5			250	32	-
	SB98d2.5	2.5			3.5	-	-
SB102	SB102d0.5	0.5	02/18/19	15 feet south of SB52	-	-	-
	SB102d1.5	1.5			140	11	-
	SB102d2.5	2.5			1.9	-	-
SB99	SB99d0.5	0.5	02/18/19	7.5 feet west of SB52	-	2.6	-
	SB99d1.5	1.5			61	-	-
SB103	SB103d0.5	0.5	02/18/19	15 feet west of SB52	-	-	-
	SB103d1.5	1.5			-	-	-

Notes:

* - Sample compromised in the lab

- denotes not analyzed

Bold where detection exceeds the preliminary screening level of 80 mg/kg

where detection exceeds the STLC of 5 mg/L

a - denotes screening level derived from "Determination of a Southern California Regional Background Arsenic Concentration in Soil" by G. Chernoff, W. Bosan, and D. Oudiz, California Department of Toxic Substances Control.

b - denotes screening level derived from "Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers," by the Department of Toxic Substances Control, Revised 06/09/06.

c denotes screening level for STLC/Cal-Haz and TCLP/RCRA-Haz waste classification.

Table 3 - Summary of CAM Metals, PCBs, and PAH Detections in Soil
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

SAMPLE	DEPTH	SAMPLE DATE	Metals by EPA Method 6010B (mg/kg)										EPA Method 7471A (mg/kg)	PCBs by EPA Method 8082 (µg/kg)	PAHs by EPA Method 8270C SIM (µg/kg)												
			Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Nickel	Vanadium	Zinc			Mercury	Aroclor 1260	Anthracene	Benzo_a_anthracene	Benzo_a_pyrene	Benzo_b_fluoranthene	Benzo_g,h,i_perylene	Benzo_k_fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Indeno_1,2,3-cd_pyrene	Naphthalene
SCREENING LEVELS ^a			15,000	1,600	71	-	23	3,100	390	-	390	23,000	10	240	18,000	1,100	110	1,100	-	11,000	110,000	110	2,400	1,100	3,800	-	1,800
SB01d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
SB03d0.5	0.5	20-Dec-18	110	0.41	0.25	16	6.6	17	ND	37	50	0.051	-	ND	6.5	7.4	9.9	4.9	ND	6.4	ND	14	4.2	ND	6.1	15	
SB03d1.5	1.5	20-Dec-18	110	0.37	ND	14	6.6	15	ND	8.2	44	0.05	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB03d2.5	2.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB05d0.5	0.5	21-Dec-18	72	0.34	ND	12	5.2	11	ND	7.7	28	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB06d0.5	0.5	21-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	
SB07d0.5	0.5	21-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB10d0.5	0.5	26-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	4.5	7.3	ND	88	100	21	25	6.9	11	77	ND	6.1	12
SB11d0.5	0.5	26-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB12d0.5	0.5	26-Dec-18	110	ND	0.29	14	5.7	19	ND	7.5	33	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB14d0.5	0.5	26-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB15d0.5	0.5	26-Dec-18	91	ND	ND	14	6.1	14	ND	8.0	34	0.081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB17d0.5	0.5	21-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB19d0.5	0.5	21-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	17	12	13	20	12	8.4	19	ND	21	8	ND	28	31
SB20d0.5	0.5	20-Dec-18	110	0.47	0.36	15	6.9	19	ND	9.7	36	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB20d1.5	1.5	20-Dec-18	74	0.34	ND	11	5.2	10	ND	6.7	31	0.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB21d0.5	0.5	20-Dec-18	96	ND	0.35	14	5.9	20	ND	8.2	32	0.051	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB23d0.5	0.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB23d1.5	1.5	20-Dec-18	67	ND	ND	8.7	4.2	8.8	ND	5.1	26	0.048	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB23d2.5	2.5	20-Dec-18	64	ND	ND	8.7	3.9	8.9	ND	4.5	24	0.061	-	ND	4	5.4	7.6	4.9	ND	4.7	ND	8.7	4.3	ND	ND	11	
SB26d0.5	0.5	21-Dec-18	130	0.44	0.38	27	8.6	22	ND	19	42	0.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB27bd0.5	0.5	21-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB29d0.5	0.5	21-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	55	57	74	28	27	70	8.9	94	29	ND	37	110	
SB31d0.5	0.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB31d1.5	1.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB31d2.5	2.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB32d0.5	0.5	20-Dec-18	80	0.38	0.27	9.4	4.2	21	ND	5.3	24	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB32d1.5	1.5	20-Dec-18	71	0.31	ND	10	4.7	9.2	ND	5.7	29	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB32d2.5	2.5	20-Dec-18	76	0.44	ND	12	5.2	10	ND	6.3	33	0.048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB35d0.5	0.5	18-Dec-18	-	-	-	-	-	-	-	-	-	-	-	4.2	ND	ND	ND	ND	ND	39	ND	26	ND	4.1	15	31	
SB38d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB39d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	7.1	8.3	17	6.8	4.7	11	ND	15	6.4	ND	6.4	14	
SB42d0.5	0.5	19-Dec-18	61	0.58	ND	13	5.5	16	ND	9.7	28	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB43d0.5	0.5	18-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	ND	22	40	24	ND	29	ND	44	16	ND	20	49	
SB44d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB45d0.5	0.5	19-Dec-18	250	0.39	1.3	27	7.5	91	1.1	16	34	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB47d0.5	0.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB47d1.5	1.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB47d2.5	2.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB50d2.5	2.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB51d0.5	0.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	21 J	-	-	-	-	-	-	-	-	-	-	-	-	
SB51d1.5	1.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB51d2.5	2.5	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	
SB52d0.5	0.5	20-Dec-18	150	0.33	0.5	15	5.8	45	ND	8.4	33	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB52d1.5	1.5	20-Dec-18	60	0.3	ND	9.6	4.5	9	ND	5.2	27	0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB52d2.5	2.5	20-Dec-18	64	0.27	ND	9.8	4.4	7.8	ND	5.2	27	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB57d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	12	18	34	19	12	19	7.5	18	17	ND	8.3	19	
SB58d0.5	0.5	19-Dec-18	180	0.44	0.32	20	7.6	31	ND	11	41	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 3 - Summary of CAM Metals, PCBs, and PAH Detections in Soil
 Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

SAMPLE	DEPTH	SAMPLE DATE	Metals by EPA Method 6010B (mg/kg)										EPA Method 7471A (mg/kg)	PCBs by EPA Method 8082 (µg/kg)	PAHs by EPA Method 8270C SIM (µg/kg)													
			Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Nickel	Vanadium	Zinc	Mercury	Aroclor 1260	Anthracene	Benzo_a_anthracene	Benzo_a_pyrene	Benzo_b_fluoranthene	Benzo_g,h,i_perylene	Benzo_k_fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Indeno_1,2,3-cd_pyrene	Naphthalene	Phenanthrene	Pyrene	
SCREENING LEVELS^a			15,000	1,600	71	-	23	3,100	390	-	390	23,000	10	240	18,000	1,100	110	1,100	-	11,000	110,000	110	2,400	1,100	3,800	-	1,800	
SB61d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB62d0.5	0.5	18-Dec-18	90	0.25	0.38	14	5.4	22	ND	8.7	32	160	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB63d0.5	0.5	19-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	5	7.4	7.9	ND	ND	ND	ND	6.5	ND	ND	4.7	
SB66d0.5	0.5	18-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB68d0.5	0.5	18-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SB70d0.5	0.5	26-Dec-18	81	ND	ND	14	6.4	17	ND	7.9	37	47	0.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB72d0.5	0.5	26-Dec-18	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
 - denotes not analyzed
 ND - denotes result not detected above method detection limit
 Analytes shown only if a detection was noted in the sample data set
 J - flag denotes result below detection limit
 a - denotes carcinogenic or noncarcinogenic screening level (whichever is lower) derived from EPA Region 9 "Regional Screening Level (RSL) Resident Soil Table (TR=1E-06, HQ=1)," dated November 2018.

Table 4 - Summary of Organochlorine Pesticide Detections in Soil

Ascot Elementary School
 1447 East 45th Street
 Los Angeles, California

SAMPLE	DEPTH	SAMPLE DATE	Organochlorine Pesticides by EPA Method 8081 (µg/kg)																			
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	Chlordane (technical)	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
SCREENING LEVELS^a			575	400	400	5	-	-	105	-	5	-	-	-	-	-	-	125	20	-	-	-
SB01,02,03,04 0 to 0.5 Composite	0.5	12/20/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB05,SB06,SB07 0 to 0.5 Composite	0.5	12/20/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB09,10,11,12d0.5 (Composite)	0.5	12/26/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB13,14,15d0.5 (Composite)	0.5	12/26/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB17,18,19,24 0 to 0.5 composite	0.5	12/21/18	ND	1.6	3.5	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB20,21,22,23 0 to 0.5 Composite	0.5	12/20/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB25,26,27A,27B 0 to 0.5 Composite	0.5	12/21/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB28,29,30 0 to 0.5 Composite	0.5	12/21/18	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB31,32,33,34 0 to 0.5 Composite	0.5	12/20/18	ND	2.7	10	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB35,36, & 38d0.5 (Composite)	0.5	12/18/18	ND	20	23	ND	ND	ND	26	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB39,40,41, & 42d0.5 (Composite)	0.5	12/19/18	ND	7.7	12	ND	ND	ND	12	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB43,44,45, & 46d0.5 (Composite)	0.5	12/18/18	ND	14	17	ND	ND	ND	18	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB46,47,48 0 to 0.5 Composite	0.5	12/20/18	ND	2.9	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB49,50,51,52 0 to 0.5 Composite	0.5	12/20/18	ND	4.7	8.4	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB53,54,55 0 to 0.5 Composite	0.5	12/20/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB56,57,58, & 59d0.5 (Composite)	0.5	12/18/18	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB60,61,62, & 63d0.5 (Composite)	0.5	12/18/18	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB64,65,66, & 67d0.5 (Composite)	0.5	12/18/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB68,69,70,71d0.5 (Composite)	0.5	12/18/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - denotes result not detected above method detection limit

a - denotes the most conservative screening level based on a 1:4 Composite Ratio derived from *California Human Health Screening Levels for soil for residential land use*, Cal/EPA 2005.

APPENDIX A

NOTICES

Los Angeles Unified School District

Office of Environmental Health and Safety

AUSTIN BEUTNER
Superintendent of Schools

VIVIAN EKCHIAN
Deputy Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

December 12, 2018

TO: Neighbors, Students, and Staff Members of
Ascot Avenue Elementary School

FROM: Los Angeles Unified School District
Office of Environmental Health and Safety

REGARDING: Preliminary Environmental Assessment
Ascot Avenue Elementary School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of Ascot Avenue Elementary School, located at 1447 East 45th Street, Los Angeles, CA 90011. The PEA will focus on areas planned for the redevelopment of the campus. LAUSD voluntarily conducts environmental reviews for construction and improvement projects at its existing schools.

A licensed contractor, working on behalf of LAUSD, will perform the environmental investigation under the oversight of the LAUSD-OEHS. The investigation will consist of soil sampling at locations on campus where existing facilities will be modernized or demolished and new construction will take place. Soil will be analyzed for potential chemicals of concern. If necessary, protective measures will be performed prior to construction activities.

Field work is anticipated to be completed over the Winter Recess (i.e. December 15, 2018 through January 6, 2019). If additional sampling is necessary, this sampling will also take place when school is out of session. Field work is scheduled to be conducted between 7:00 am and 7:00 pm.

The results of the investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any of the chemicals of concern are present in soil at concentrations that would require further assessment, or if a response action will be necessary before the Site is cleared for construction activities. When the OEHS's review is complete, OEHS will issue a determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities for the proposed project, please contact Eric Longenecker, LAUSD-OEHS, Site Assessment Project Manager at (213) 241-4578 (email at eric.longenecker@lausd.net).

Los Angeles Unified School District

Office of Environmental Health and Safety

AUSTIN BEUTNER
Superintendent of Schools

VIVIAN EKCHIAN
Deputy Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

12 de Diciembre, 2018

PARA: Vecinos, Estudiantes, y Miembros de
Ascot Avenue Elementary School

DE: El Distrito Escolar Unificado de Los Angeles
Oficina de Salud Ambiental y Seguridad

RESPECTO: Evaluación Ambiental Preliminar
Ascot Avenue Elementary School, Los Angeles, California

El Distrito Escolar Unificado de Los Angeles (LAUSD) – Oficina de Salud Ambiental y Seguridad (OEHS) le gustaría proporcionarles con preaviso de una Evaluación Ambiental Preliminar (PEA) que se llevará a cabo dentro de los límites de la escuela primaria de Ascot Avenue, localizada en 1447 East 45th Street, Los Angeles, CA 90011. El PEA se enfocará en las áreas planificadas para la reconstrucción del campus. LAUSD voluntariamente realiza revisiones ambientales para proyectos de construcción y mejoras en sus escuelas existentes.

Un contratista con licencia, que trabajara en nombre de LAUSD, realizará la investigación ambiental bajo la supervisión de LAUSD-OEHS. La investigación consistirá de muestreo de suelo en lugares dentro del campus donde se modernizarán o demolerán las instalaciones existentes y nueva construcción tendrá lugar. Muestras de suelo se analizarán para detectar sustancias químicas de interés. Si es necesario, medidas de protección se realizarán antes de las actividades de construcción.

Se anticipa finalizar el trabajo durante el receso de invierno (ej. 15 de Diciembre 2018 hasta 6 de enero 2019). En caso de que muestreo adicional sea necesario, este también se llevará a cabo cuando la escuela esté fuera de sesión. El trabajo está programado para ser llevado a cabo entre las 7:00 am y 7:00 pm.

Los resultados de la investigación se presentarán a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de si alguno de los químicos de interés está presente en el suelo con concentraciones que requerirían una evaluación adicional, o si una acción de respuesta será necesaria antes de que el Sitio sea autorizado para las actividades de construcción. Cuando se complete la revisión de OEHS, OEHS emitirá una determinación con respecto a la evaluación.

Si tiene alguna pregunta sobre esta investigación ambiental u otras actividades relacionadas con este proyecto, comuníquese con Eric Longenecker, LAUSD-OEHS, Gerente del Proyecto de Evaluación del Sitio al (213) 241-4578 o por correo electrónico (eric.longenecker@lausd.net).



NOTICE OF INTENT TO ADOPT AN INITIAL STUDY/MITIGATED NEGATIVE DECLARATION AND NOTICE OF PUBLIC COMMENT PERIOD FOR PRELIMINARY ENVIRONMENTAL ASSESSMENT EQUIVALENT

TO: Agencies, Organizations, Property Owners, and Interested Parties

PROJECT TITLE: Ascot Avenue Elementary School Comprehensive Modernization Project

SUBJECT: Notice of Intent to Adopt an Initial Study/Mitigated Negative Declaration and Notice of Public Comment Period for Preliminary Environmental Assessment Equivalent

NOTICE IS HEREBY GIVEN that the Los Angeles Unified School District (LAUSD or District), as Lead Agency for the Project, has prepared a Draft Initial Study and Mitigated Negative Declaration (IS/MND) for the Ascot Avenue Elementary School Comprehensive Modernization Project, pursuant to the California Environmental Quality Act (CEQA) (Public Resources Code [PRC], Division 13, Section 21000 et seq. [CEQA Statute] and the California Code of Regulations [CCR], Title 14, Division 6, Chapter 3, Section 15000 et seq. [CEQA Guidelines]). An IS/MND is a detailed informational document that analyzes a proposed project's potentially significant environmental impacts, as well as identifying ways to minimize and mitigate such effects. The purpose of this notice is to solicit comments regarding the content of the Draft IS/MND. Notice is further given that a Preliminary Environmental Assessment Equivalent (PEA-E) has been prepared and is available for review for the Project.

PROJECT LOCATION: The 5.3-acre Ascot Avenue Elementary School (Ascot ES) is located at 1447 East 45th Street, Los Angeles, Los Angeles County, California.

PROJECT DESCRIPTION: The Project encompasses most of the Ascot ES campus and consists of the comprehensive modernization of the campus, including demolition, construction, and renovation activities. The Project includes demolition and removal of 18 relocatable buildings and permanent buildings and structures (approximately 59,836 square feet) including: 1) Administrative/Classroom Building (Building No. 1), 2) Auditorium & Classroom Building (No. 2), 3) Cafeteria Building (No. 3), 4) seven Two/Three Unit Relocatable Buildings (Nos. 4, 5, 10, 11, 19, 20, and 21), 5) Storage Unit (No. 7), 6) two Lunch Shelter Buildings (Nos. 13 and 15), 7) three Single Unit Relocatable Buildings (Nos. 16, 17, and 23), 8) Sanitary Relocatable Building (No. 18), and 9) Food Service Relocatable Building (No. 22); construction of approximately 63,773 square feet of new classroom and administrative buildings, new playground areas and parking areas; and modernization of the existing Sanitary & Classroom, Kindergarten, Classroom, and New 3-Story Parking & Classroom buildings (Nos. 6, 8, 9, and 14). Other improvements include campus-wide infrastructure, including domestic water, fire, irrigation, gas, sewer, low voltage (e.g., fire, telephone, data), electrical and storm drainage, Americans with Disabilities Act (ADA) compliance, landscape, hardscape, and exterior paint.

Prior to construction of the new facilities, the District proposes to remove up to approximately 2,000 cubic yards of soil with elevated concentrations of lead from the campus and dispose of it off-site in accordance with the conditions that are presented in the PEA-E.

POTENTIAL ENVIRONMENTAL EFFECTS: Pursuant to CEQA Guidelines Section 15064(f)(2), and based on the environmental analysis in the Initial Study, the District has determined that a Mitigated Negative Declaration is the appropriate level of environmental documentation for the Project. The focus of the IS/MND will be on the potential significant effects of the Project related to noise. The PEA-E presents the findings of the environmental investigations performed for this Project and outlines the proposed process for the removal and off-site disposal of the impacted soil.

PUBLIC REVIEW PERIOD: LAUSD will make this NOI and the IS/MND (pursuant to California Code of Regulations, Title 14, Section 15072) and PEA-E available for public review and comment from **March 28, 2019 to April 26, 2019**.

RESPONSES AND COMMENTS: Please indicate a contact person for your agency or organization and send your comments to:

CEQA & PEA-E Questions and Comments

Los Angeles Unified School District
Office of Environmental Health and Safety
Attention: Mr. Edward Paek, CEQA Project Manager
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017
Email: CEQA-comments@lausd.net

Please include "Ascot ES Comp Mod" in the subject line

PUBLIC MEETING: LAUSD will hold a public meeting on **Thursday, April 11, 2019 at 6:00 PM** in the auditorium at Ascot Avenue Elementary School, 1447 East 45th Street, Los Angeles, California 90017. All agencies, organizations, and interested parties are encouraged to attend.

DOCUMENT AVAILABILITY: The IS/MND is available for review at the following locations:

- LAUSD, Office of Environmental Health and Safety, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017 (by appointment, call 213.241.4676)
- Ascot Avenue Elementary School Main Office, 1447 East 45th Street, Los Angeles, California 90017
- Vernon-Leon H. Washington Memorial Branch Library, 4504 S. Central Avenue, Los Angeles, CA 90011
- LAUSD Office of Environmental Health and Safety Website:
 - CEQA IS/MND (<http://achieve.lausd.net/ceqa>)
 - PEA-E (<http://achieve.lausd.net/siteassessment>)



AVISO DE INTENCIÓN DE ADOPTAR UNA DECLARACIÓN NEGATIVA MITIGADA Y AVISO DEL PERÍODO DE COMENTARIOS DEL PÚBLICO PARA EVALUACIÓN AMBIENTAL PRELIMINAR EQUIVALENTE

PARA: Agencias, Organizaciones y Partes Interesadas
TÍTULO DEL PROYECTO: Ascot Avenue Elementary School Comprehensive Modernization Project
TEMA: Aviso De Intención De Adoptar Una Declaración Negativa Mitigada Y Aviso Del Período De Comentarios Del Público Para Evaluación Ambiental Preliminar Equivalente

Por el presente se da aviso que el Distrito Escolar Unificado de Los Ángeles, (LAUSD, por sus siglas en inglés) como la agencia líder ha preparado un estudio inicial declaración negativa mitigada (IS/MND, por sus siglas en inglés) del Proyecto de Modernización Integral de la Escuela Primaria Ascot Avenue (proyecto), para conformidad con CEQA (Código de Recursos Públicos [PRC, por sus siglas en inglés], División 13, Artículo 21000 y siguientes [estatuto de CEQA] y el Código Reglamentario de California [CCR, por sus siglas en inglés] Título 14, División 6, Capítulo 3, Artículo 15000 y siguientes [directrices CEQA]). Un IS/MND es un documento de información detallada que analiza los efectos potenciales al ambiente del proyecto propuesto y identifica formas para minimizar y mitigar esos efectos. Además, se tiene en cuenta que se ha preparado una evaluación ambiental preliminar equivalente (PEA-E) y está disponible para su revisión para el Proyecto.

UBICACIÓN DEL PROYECTO: La Escuela Primaria Ascot Avenue (Ascot ES) tiene un campus de 5.3 acres que está ubicado en 1447 East 45th Street, Los Angeles, Condado de Los Angeles, California.

DESCRIPCIÓN DEL PROYECTO: El proyecto abarca la mayor parte del campus de Ascot ES y consiste en la modernización integral del campus, que incluye actividades de demolición, construcción y renovación. El proyecto incluye la demolición y remoción de 18 edificios reubicables y edificios / estructuras permanentes (aproximadamente 59,836 pies cuadrados) que incluye: 1. Edificio administrativo / de aula (Edificio No. 1), 2. Edificio de auditorios y aulas (No. 2), 3. Edificio de cafetería (No. 3), 4. siete edificios reubicables de dos / tres unidades (Nos. 4, 5, 10, 11, 19, 20 y 21), 5. Unidad de almacenamiento (No. 7), 6. dos edificios de albergue de almuerzo (Nos. 13 y 15), 7. tres edificios reubicables de una sola unidad (números 16, 17 y 23), 8. edificios reubicables sanitarios (No. 18) y 9. edificios reubicables para servicio de alimentos (No. 22); construcción de aproximadamente 63,773 pies cuadrados de nuevos salones y edificios administrativos, nuevas áreas de juegos y áreas de estacionamiento; y modernización de los sanitarios, edificios para salones de clase, kinder, aula y nuevos estacionamientos y salones de clase de 3 pisos existentes (números 6, 8, 9 y 14). Otras mejoras incluyen infraestructura en todo el campus, incluyendo agua doméstica, incendios, irrigación, gas, alcantarillado, bajo voltaje (por ejemplo, incendios, teléfono, datos), drenaje eléctrico y tormentas, Ley de Estadounidenses con Discapacidades (ADA) Cumplimiento, paisajismo, hardscape, y pintura exterior.

Antes de la construcción de las nuevas instalaciones, el Distrito propone remover de la campus hasta aproximadamente 2,000 yardas cúbicas de suelo con concentraciones elevadas de plomo y desecharlo fuera del sitio de acuerdo con las condiciones que se presentan en el PEA-E.

EFFECTOS AMBIENTALES POSIBLES: De conformidad con la ley CEQA Sección 15064(f)(2), y conformidad con en el análisis ambiental en el Estudio Inicial, el Distrito ha determinado que la Declaración Negativa Mitigada es el nivel apropiado de estudio ambiental para el proyecto. El enfoque de la Declaración Negativa Mitigada será los efectos potenciales significantes del Proyecto relacionados con ruido.

El PEA-E presenta los hallazgos de las investigaciones ambientales realizadas para este Proyecto y describe el proceso propuesto para la eliminación del suelo impactado a lugares fuera del sitio.

PERIODO DE REVISIÓN PÚBLICA: El LAUSD hará este NOI y el IS/MND (de acuerdo con el Sección 15072 del Título 14 del Código de Regulaciones de California) y el PEA-E disponible al público para su revisión y comentario desde el 28 de marzo de 2019 hasta el 26 de abril de 2019.

RESPUESTAS Y COMENTARIOS: Por favor indique una persona de contacto para su agencia u organización y envíe sus respuestas y comentarios a:

CEQA & PEA-E Preguntas y Comentarios

Los Angeles Unified School District
Office of Environmental Health and Safety
Attention: Mr. Edward Paek, CEQA Project Manager
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017
Email: CEQA-comments@lausd.net

Por favor incluya "Ascot ES Comp Mod" en el renglón de tema

REUNIÓN DE DETERMINACIÓN DE ALCANCE: El LAUSD llevará a cabo una reunión de determinación de alcance el Jueves, 11 de abril de 2019, a las 6:00 PM en el Auditorio en Ascot ES, 1447 East 45th Street, Los Angeles, Los Angeles County, California 90017. Se alienta a todas las agencias, organizaciones y partidos interesados a asistir.

DISPONIBILIDAD DE DOCUMENTOS: El IS/MND y el PEA-E están disponibles para la revisión del público en los siguientes lugares:

- LAUSD, Office of Environmental Health and Safety, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017 (con cita, llamar al 213.241.4676)
- Ascot Avenue Elementary School Main Office, 1447 East 45th Street, Los Angeles, CA 90017
- Vernon-Leon H. Washington Memorial Branch Library, 4504 S. Central Avenue, Los Angeles, CA 90011
- Sitio web de LAUSD Office of Environmental Health and Safety:
 - CEQA IS/MND (<http://achieve.lausd.net/ceqa>)
 - PEA-E (<http://achieve.lausd.net/siteassessment>)

APPENDIX B

FIELD SURVEY COORDINATES

Ascot Avenue Elementary School
 1447 East 45th Street
 Los Angeles, CA 90011

ObjectName	LgndCallou	POINT_X	POINT_Y
SB001	Soil Sample Location Where No Further Action is Required	6486147.39	1823789.98
SB002	Soil Sample Location Where No Further Action is Required	6486192.95	1823759.83
SB003	Soil Sample Location Where No Further Action is Required	6486167.63	1823774.76
SB004	Soil Sample Location Where No Further Action is Required	6486212.07	1823737.53
SB005	Soil Sample Location Where No Further Action is Required	6486207.53	1823711.38
SB006	Soil Sample Location Where No Further Action is Required	6486164.61	1823661.82
SB007	Soil Sample Location Where No Further Action is Required	6486132.97	1823719.93
SB008	Soil Sample Location Where No Further Action is Required	6486111.33	1823754.00
SB009	Soil Sample Location Where No Further Action is Required	6486279.59	1823756.96
SB010	Soil Sample Location Where No Further Action is Required	6486310.21	1823759.85
SB011	Soil Sample Location Where No Further Action is Required	6486334.43	1823739.36
SB012	Soil Sample Location Where No Further Action is Required	6486331.53	1823714.89
SB013	Soil Sample Location Where No Further Action is Required	6486323.22	1823685.98
SB014	Soil Sample Location Where No Further Action is Required	6486277.44	1823686.84
SB015	Soil Sample Location Where No Further Action is Required	6486261.12	1823721.09
SB017	Soil Sample Location Where No Further Action is Required	6486243.08	1823731.35
SB018	Soil Sample Location Where No Further Action is Required	6486260.80	1823707.10
SB019	Soil Sample Location Where No Further Action is Required	6486288.40	1823657.28
SB020	Soil Sample Location Where No Further Action is Required	6486214.72	1823596.08
SB021	Soil Sample Location Where No Further Action is Required	6486149.39	1823589.90
SB022	Soil Sample Location Where No Further Action is Required	6486120.13	1823650.56
SB023	Soil Sample Location Where No Further Action is Required	6486164.46	1823672.38
SB024	Soil Sample Location Where No Further Action is Required	6486203.33	1823687.46
SB025	Soil Sample Location Where No Further Action is Required	6486316.67	1823669.71
SB026	Soil Sample Location Where No Further Action is Required	6486385.61	1823683.51
SB027A	Soil Sample Location Where No Further Action is Required	6486452.80	1823658.99
SB027B	Soil Sample Location Where No Further Action is Required	6486439.83	1823615.34
SB028	Soil Sample Location Where No Further Action is Required	6486406.33	1823600.48
SB029	Soil Sample Location Where No Further Action is Required	6486344.31	1823600.56
SB030	Soil Sample Location Where No Further Action is Required	6486252.71	1823599.34
SB031	Soil Sample Location Where No Further Action is Required	6485945.38	1823491.22
SB032	Soil Sample Location Where No Further Action is Required	6485937.24	1823450.64
SB033	Soil Sample Location Where No Further Action is Required	6485984.59	1823462.73
SB034	Soil Sample Location Where No Further Action is Required	6485989.87	1823491.62
SB035	Soil Sample Location Where No Further Action is Required	6485995.20	1823517.22
SB036	Soil Sample Location Where No Further Action is Required	6486047.29	1823512.87
SB038	Cal-Haz	6486145.03	1823499.83
SB039	Cal-Haz	6486102.43	1823462.49
SB040	Soil Sample Location Where No Further Action is Required	6486049.01	1823451.86
SB041	Soil Sample Location Where No Further Action is Required	6486020.90	1823457.57
SB042	Soil Sample Location Where No Further Action is Required	6486005.05	1823446.81
SB043	Soil Sample Location Where No Further Action is Required	6485942.76	1823540.77
SB044	Cal-Haz	6486068.95	1823550.93
SB045	Cal-Haz	6486118.82	1823546.38
SB046	Cal-Haz	6486141.36	1823441.20
SB047	Soil Sample Location Where No Further Action is Required	6486186.19	1823438.68
SB048	Cal-Haz	6486229.81	1823428.40
SB049	Cal-Haz	6486266.48	1823421.81
SB050	Cal-Haz	6486313.59	1823421.34
SB051	Cal-Haz	6486318.12	1823434.77
SB052	Cal-Haz	6486350.84	1823456.00
SB053	Soil Sample Location Where No Further Action is Required	6486319.07	1823475.83
SB054	Soil Sample Location Where No Further Action is Required	6486297.98	1823492.90
SB055	Soil Sample Location Where No Further Action is Required	6486255.81	1823491.98
SB056	Soil Sample Location Where No Further Action is Required	6485941.07	1823604.05
SB057	Soil Sample Location Where No Further Action is Required	6486028.57	1823622.87

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ObjectName	LgndCallou	POINT_X	POINT_Y
SB058	Soil Sample Location Where No Further Action is Required	6485984.23	1823654.59
SB059	Soil Sample Location Where No Further Action is Required	6485939.41	1823667.31
SB060	Soil Sample Location Where No Further Action is Required	6486032.74	1823687.79
SB061	Soil Sample Location Where No Further Action is Required	6485987.21	1823722.64
SB062	Soil Sample Location Where No Further Action is Required	6485937.35	1823747.66
SB063	Soil Sample Location Where No Further Action is Required	6486032.18	1823758.99
SB064	Soil Sample Location Where No Further Action is Required	6485985.80	1823787.47
SB065	Soil Sample Location Where No Further Action is Required	6485938.83	1823812.28
SB066	Soil Sample Location Where No Further Action is Required	6485977.47	1823852.79
SB067	Soil Sample Location Where No Further Action is Required	6486053.48	1823816.80
SB068	Soil Sample Location Where No Further Action is Required	6486108.26	1823843.16
SB069	Soil Sample Location Where No Further Action is Required	6486151.61	1823836.22
SB070	Soil Sample Location Where No Further Action is Required	6486193.94	1823846.24
SB071	Soil Sample Location Where No Further Action is Required	6486245.72	1823823.03
SB072	Soil Sample Location Where No Further Action is Required	6486292.79	1823846.41

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ObjectName	LgndCallout	POINT_X	POINT_Y
SB073	Soil Sample Location Where No Further Action is Required	6486258.61	1823454.94
SB074	Cal-Haz	6486313.27	1823453.32
SB075	Cal-Haz	6486102.15	1823467.28
SB076	Soil Sample Location Where No Further Action is Required	6486107.16	1823462.27
SB077	Cal-Haz	6486102.49	1823455.46
SB078	Cal-Haz	6486097.36	1823462.60
SB079	Soil Sample Location Where No Further Action is Required	6486118.61	1823551.39
SB080	Cal-Haz	6486123.62	1823546.38
SB081	Cal-Haz	6486119.17	1823538.47
SB082	Cal-Haz	6486113.82	1823546.71
SB083	Soil Sample Location Where No Further Action is Required	6486118.86	1823559.32
SB084	Cal-Haz	6486128.54	1823546.35
SB085	Cal-Haz	6486119.31	1823531.24
SB086	Cal-Haz	6486108.83	1823546.78
SB087	Cal-Haz	6486140.96	1823449.10
SB088	Soil Sample Location Where No Further Action is Required	6486149.14	1823443.34
SB089	Cal-Haz	6486145.84	1823434.45
SB090	Soil Sample Location Where No Further Action is Required	6486229.66	1823438.48
SB091	Cal-Haz	6486230.44	1823418.55
SB092	Cal-Haz	6486266.53	1823413.74
SB093	Cal-Haz	6486318.68	1823427.26
SB094	Soil Sample Location Where No Further Action is Required	6486325.63	1823421.35
SB095	Cal-Haz	6486318.16	1823436.46
SB096	Soil Sample Location Where No Further Action is Required	6486351.15	1823463.37
SB097	Soil Sample Location Where No Further Action is Required	6486359.13	1823456.25
SB098	Cal-Haz	6486351.50	1823447.92
SB099	Soil Sample Location Where No Further Action is Required	6486343.68	1823455.73
SB100	Soil Sample Location - Analysis Not Required	6486350.97	1823471.01
SB101	Soil Sample Location - Analysis Not Required	6486365.56	1823455.56
SB102	Cal-Haz	6486351.84	1823441.15
SB103	Soil Sample Location - Analysis Not Required	6486336.22	1823455.73
SB104	Soil Sample Location Where No Further Action is Required	6486224.84	1823428.34
SB105	Soil Sample Location Where No Further Action is Required	6486073.08	1823457.31
SB106	Cal-Haz	6486089.75	1823549.21
SB107	Cal-Haz	6486144.42	1823475.54
SB108	Cal-Haz	6486168.89	1823441.43
SB109	Cal-Haz	6486125.15	1823454.97
SB110	Soil Sample Location Where No Further Action is Required	6486318.25	1823464.58
SB111	Soil Sample Location Where No Further Action is Required	6486285.71	1823454.17
SB112	Cal-Haz	6486133.79	1823546.09

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Comment	POINT_X	POINT_Y
cp3 nail 16	6486427.741	1823686.241
cp4 nail 12	6486158.441	1823462.447
cp5 nail14	6486147.836	1823412.448
srvey	6486152.533	1823786.217

Note: All coordinates were captured with a "resource-grade" GPS unit.

APPENDIX C

FIELD NOTES AND LOCATION PHOTOGRAPHS



WAYNE PERRY, INC.

8281 Commonwealth Ave.

Buena Park, CA. 90621

Tel: (714) 826-0352

218 DATE 12/18/18 BY R. Deamer SHEET 1 of 1

no kinetics

800 safety meeting 216 4oz jars to begin

Depth	Sampling	PIU	USCS	Notes
	SB6b do.5	0.0	SAND w/silt	fine grained dark brown, roots
	6b d 1.5	0.0		same as above
	6b d 2.5	0.0	SAND	fine grained becomes pale brown, roots
	65 do.5		SAND	w/silt, fine grained, brown, roots
	65 d 1.5			same
	65 d 2.5			same
	62 do.5		SAND	fine to coarse, dark brown, roots
	62 d 1.5			becomes fine, brown
	62 d 2.5			same
	59 do.5	0.7	SAND	w/silt, fine, dark brown
	59 d 1.5	1.4		becomes brown
	59 d 2.5			same
Dep 1	56 do.5		SAND	fine, dark brown
	56 d 1.5			becomes brown
	56 d 2.5			same
	43 do.5	0.4	SAND	fine to coarse, brown
	43 d 1.5			becomes fine
	43 d 2.5			same
	35 do.5		SAND	fine to coarse, brown
	35 d 1.5			same
	35 d 2.5			becomes fine, pale brown
Dep 2	68 do.5		SAND	fine grained, brown
	68 d 1.5			same
	68 d 2.5			same

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB01 0.5'	12/19/18				silty SAND, gray fine, grayish brown	0.0	A	
SB01 1.5'	12/19/18				same	0.0	A	
SB01 2.5'	12/19/18				CLAY, dark grayish brown	0.0	A	
SB02 0.5'	12/20/18				SAND w/ silt, fine, dark brown	0.0	C	Refusal passed 6" - footing
SB02 1.5'	—				NO RECOVERY		—	
SB02 2.5'	—				NO RECOVERY		—	
SB03 0.5'	12/20/18				Clayey SAND w/ gravel, fine yellowish brown	0.0	C	
SB03 1.5'	12/20/18				becomes sandy CLAY	0.0	C	
SB03 2.5'	12/20/18				same	0.0	C	
SB04 0.5'	12/20/18				SAND w/ silt, fine dark brown, brick	0.0	A	
SB04 1.5'	12/20/18				becomes SAND, fine, brown	0.0	A	
SB04 2.5'	12/20/18				same	0.0	A	
SB05 0.5'	12/21/18				silty SAND w/ gravel, fine yellowish brown, fine/course gravel	0.0	A	
SB05 1.5'	12/21/18				same	0.0	A	
SB05 2.5'	12/21/18				SAND, fine, brown	0.0	A	
SB06 0.5'	12/21/18				SAND, fine, brown	0.0	A	
SB06 1.5'	12/21/18				same	0.0	A	
SB06 2.5'	12/21/18				same	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB07 0.5'	12/21/18				sandy CLAY, brown, fine sand	0.0	A	
SB07 1.5'	12/21/18				becomes CLAY w/ sand	0.0	A	
SB07 2.5'	12/21/18				becomes CLAY, yellowish brown	0.0	A	
SB08 0.5'	12/21/18				sandy SILT, dark brown, fine sand	0.0	A	
SB08 1.5'	12/21/18				sandy CLAY, brown	0.0	A	
SB08 2.5'	12/21/18				CLAY w/ sand, dark brown	0.0	A	
SB09 0.5'	12/21/18				silty SAND, dark brown, fine sand	0.0	A	
SB09 1.5'	12/21/18				SAND, fine, brown	0.0	A	
SB09 2.5'	12/21/18				same	0.0	A	
SB10 0.5'	12/21/18				SAND w/ silt, fine, dark brown	0.0	A	
SB10 1.5'	12/21/18				SAND, fine, brown	0.0	A	
SB10 2.5'	12/21/18				same	0.0	A	
SB11 0.5'	12/20/18				SAND, fine, dark brown	0.0	A	
SB11 1.5'	12/20/18				becomes brown	0.0	A	
SB11 2.5'	12/20/18				same	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB12 0.5'	12/26/18				SAND, fine, brown	0.0	A	
SB12 1.5'	12/26/18				same	0.0	A	
SB12 2.5'	12/26/18				same	0.0	A	
SB13 0.5'	12/26/18				SAND, fine, brown, brick	0.0	A	
SB13 1.5'	12/26/18				same SAND, fine, brown	0.0	A	
SB13 2.5'	12/26/18				same	0.0	A	
SB14 0.5'	12/26/18				SAND, fine, brown	0.0	A	Duplicate 2
SB14 1.5'	12/26/18				same	0.1	A	
SB14 2.5'	12/26/18				same	0.0	A	
SB15 0.5'	12/26/18				SAND, fine, brown	0.0	A	
SB15 1.5'	12/26/18				same	0.0	A	
SB15 2.5'	12/26/18				same	0.0	A	
SB16 0.5'						0.0	A	
SB16 1.5'						0.0	A	
SB16 2.5'						0.0	A	
SB17 0.5'	12/21/18	12/21/18			Silty SAND, fine to coarse, brown	0.0	A	
SB17 1.5'	12/21/18	12/21/18			SAND, fine, brown	0.0	A	
SB17 2.5'	12/21/18	12/21/18			same	0.0	A	

eliminated

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB18 0.5'	12/21/18				SAND w/ SILT, fine, brown	0.0	S	
SB18 1.5'	12/21/18				SAND, fine, brown	0.0	S	
SB18 2.5'	12/21/18				same	0.0	S	
SB19 0.5'	12/21/18				Silty SAND, fine, dark brown	0.0	S	
SB19 1.5'	12/21/18				becomes sandy SILT,	0.0	S	
SB19 2.5'	12/21/18				becomes SILT w/ sand	0.0	S	
SB20 0.5'	12/20/18				SAND w/ silt, brown fine	0.0	A	
SB20 1.5'	12/20/18				becomes SAND, fine	0.0	A	
SB20 2.5'	12/20/18				same	0.0	A	
SB21 0.5'	12/20/18				SAND w/ silt, fine, brown	0.0	A	
SB21 1.5'	12/20/18				becomes SAND, ²⁰	0.1	A	
SB21 2.5'	12/20/18				same	0.0	A	
SB22 0.5'	12/20/18				SAND, fine to med, grayish brown, trace fine gravel	0.0	A	
SB22 1.5'	12/20/18				becomes SAND, fine	0.0	A	
SB22 2.5'	12/20/18				same	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB23 0.5'	12/20/18				SAND, fine to med, grayish brown	0.0	A	
SB23 1.5'	12/20/18				becomes fine	0.0	A	
SB23 2.5'	12/20/18				same	0.0	A	
SB24 0.5'	12/20/18				SAND, fine, brown	0.0	A	Duplicate 2
SB24 1.5'	12/20/18				same	0.0	A	
SB24 2.5'	12/20/18				same	0.0	A	
SB25 0.5'	12/21/18				sandy SILT, dark grayish brown, fine to coarse	0.0	A	Duplicate 1
SB25 1.5'	12/21/18				same	0.0	A	
SB25 2.5'	12/21/18				same trace brick	0.0	A	
SB26 0.5'	12/21/18				SILT w/ sand, dark brown fine	0.0	A	
SB26 1.5'	—				—	—	—	Refusal @ <1' footing
SB26 2.5'	—				—	—	—	
A SB27 0.5'	12/21/18				sandy SILT, dark brown, fine to med sand	0.0	A	
A SB27 1.5'	—				same	—	—	Refusal @ <1' footing
A SB27 2.5'	—				same	—	—	
SB28 0.5'	12/21/18				SAND w/ gravel, fine pale brown, roots	0.0	S	
SB28 1.5'	12/21/18				same no roots	0.0	S	
SB28 2.5'	12/21/18				same	0.0	S	
B SB27 0.5'	12/21/18				SAND w/ silt, fine, brown	0.0	A	Refusal @ <1' footing

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB29 0.5'	12/21/18				SAND, fine, brown	0.0	S	Duplicate 2
SB29 1.5'	12/21/18				same	0.0	S	
SB29 2.5'	12/21/18				same	0.0	S	
SB30 0.5'	12/21/18				Sandy SILT, dark brown, fine sand	0.0	S	
SB30 1.5'	12/21/18				Silty SAND, fine, brown SILT	0.0	S	
SB30 2.5'	12/21/18				Silty SAND, fine brown	0.0	S	
SB31 0.5'	12/20/18				gravelly SAND, fine to coarse dark gray, fine gravel	0.0	A	
SB31 1.5'	12/20/18				SAND, fine, brown	0.0	A	
SB31 2.5'	12/20/18				same	0.0	A	
SB32 0.5'	12/20/18				SAND, fine, brown	0.0	A	
SB32 1.5'	12/20/18				same	0.0	A	
SB32 2.5'	12/20/18				same	0.0	A	
SB33 0.5'	12/20/18				gravelly SAND, fine, dark gray on brown, fine gravel	0.0	A	
SB33 1.5'	12/20/18				becomes SAND, fine, brown	0.0	A	
SB33 2.5'	12/20/18				same	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB34 0.5'	12/19/18				SAND, fine to coarse, dark brown	0.0	A	
SB34 1.5'	12/19/18				becomes fine, brown	0.0	A	
SB34 2.5'	12/19/18				same	0.0	A	
SB35 0.5'	12/18/18				SAND, fine to coarse, brown	0.0	S	
SB35 1.5'	12/18/18				same	0.0	S	
SB35 2.5'	12/18/18				becomes fine, pale brown	0.0	S	
SB36 0.5'	12/19/18				SAND, fine, brown	0.0	A	
SB36 1.5'	12/19/18				same	0.0	A	
SB36 2.5'	12/19/18				same	0.0	A	
SB37 0.5'								
SB37 1.5'								
SB37 2.5'								
SB38 0.5'	12/19/18				SAND, fine, brown	0.0	A	
SB38 1.5'	12/19/18				same	0.0	A	
SB38 2.5'	12/19/18				same	0.0	A	
SB39 0.5'	12/19/18				SAND, fine, brown	0.0	A	
SB39 1.5'	12/19/18				same	0.0	A	
SB39 2.5'	12/19/18				same	0.0	A	

skipped

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-oncrete S-oil	Notes
SB40 0.5'	12/19/18				SAND, fine grained brown	0.0	A	
SB40 1.5'	12/19/18				becomes light brown	0.0	A	
SB40 2.5'	12/19/18				same	0.0	A	
SB41 0.5'	12/19/18				SAND, fine, brown, trace gravel	0.0	A	
SB41 1.5'	12/19/18				no gravel	0.0	A	
SB41 2.5'	12/19/18				same	0.0	A	
SB42 0.5'	12/19/18				SAND, fine to med., brown	0.0	A	
SB42 1.5'	12/19/18				silty SAND, fine, brown	0.0	A	
SB42 2.5'	12/19/18				same	0.0	A	
SB43 0.5'	12/18/18				SAND, fine to coarse, brown	0.4	S	
SB43 1.5'	12/18/18				becomes fine	0.0	S	
SB43 2.5'	12/18/18				same	0.0	S	
SB44 0.5'	12/19/18				SAND, fine, brown, trace gravel	0.0	A	
SB44 1.5'	12/19/18				same	0.1	A	
SB44 2.5'	12/19/18				same	0.	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB45 0.5'	12/19/18				SAND, fine, grayish brown trace gravel	0.0	A	
SB45 1.5'	12/19/18				same	0.0	A	
SB45 2.5'	12/19/18				silty SAND, brown becomes	0.0	A	
SB46 0.5'	12/19/18				SAND, fine to med, dark grayish brown	0.0	A	
SB46 1.5'	12/19/18				becomes fine, brown	0.0	A	
SB46 2.5'	12/19/18				same	0.0	A	
SB47 0.5'	12/20/18				SAND, fine, brown	0.0	A	
SB47 1.5'	12/20/18				same	0.0	A	
SB47 2.5'	12/20/18				same	0.0	A	
SB48 0.5'	12/20/18				silty SAND, fine, dark gray	0.0	A	
SB48 1.5'	12/20/18				becomes SAND, dark brown	0.0	A	
SB48 2.5'	12/20/18				becomes brown	0.0	A	
SB49 0.5'	12/20/18				silty SAND w/ gravel, dark gray, fine gravel	0.0	A	
SB49 1.5'	12/20/18				becomes SAND, fine,	0.0	A	
SB49 2.5'	12/20/18				becomes brown	0.0	A	
SB50 0.5'	12/20/18				SAND, fine, dark brown	0.0	A	
SB50 1.5'	12/20/18				same	0.0	A	
SB50 2.5'	12/20/18				becomes brown	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB51 0.5'	12/20/18				silty SAND, fine, dark brown	0.0	A	
SB51 1.5'	12/20/18				becomes SAND, fine, brown	0.0	A	
SB51 2.5'	12/20/18				same	0.0	A	
SB52 0.5'	12/20/18				SAND, fine, dark brown	0.0	A	Duplicate 1
SB52 1.5'	12/20/18				becomes brown	0.0	A	
SB52 2.5'	12/20/18				same	0.0	A	
SB53 0.5'	12/20/18				SAND, fine, dark brown	0.0	A	
SB53 1.5'	12/20/18				becomes brown	0.0	A	
SB53 2.5'	12/20/18				same	0.0	A	
SB54 0.5'	12/20/18				sandy SILT, dark gray, fine sand	0.0	A	
SB54 1.5'	12/20/18				becomes SAND, fine, brown	0.1	A	
SB54 2.5'	12/20/18				same	0.0	A	
SB55 0.5'	12/20/18				SAND, fine, brown	0.0	A	
SB55 1.5'	12/20/18				same	0.0	A	
SB55 2.5'	12/20/18				same	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-oncrete S-oil	Notes
SB56 0.5'	12/18/18				SAND, fine, dark brown	0.0	S	Duplicate 1
SB56 1.5'	12/18/18				becomes brown	0.0	S	
SB56 2.5'	12/18/18				same	0.0	S	
SB57 0.5'	12/19/18				SAND, fine to coarse, yellowish brown, gravel	0.0	A	Duplicate 2
SB57 1.5'	12/19/18				becomes dark brown, no gravel	0.0	A	
SB57 2.5'	12/19/18				SAND w/silt, brown-fine, brown	0.0	A	
SB58 0.5'	12/19/18				SAND, fine, brown	0.0	A	
SB58 1.5'	12/19/18				same	0.0	A	
SB58 2.5'	12/19/18				same	0.0	A	
SB59 0.5'	12/18/18				SAND w/silt, fine, dark brown	0.7	A S	
SB59 1.5'	12/18/18				becomes brown	1.4	A S	
SB59 2.5'	12/18/18				same	0.0	A S	
SB60 0.5'	12/19/18				SAND, fine to med, brown	0.0	A	
SB60 1.5'	12/19/18				becomes fine	0.0	A	
SB60 2.5'	12/19/18				same	0.0	A	
SB61 0.5'	12/19/18				SAND, fine to med, yellowish brown	0.0	A	
SB61 1.5'	12/19/18				becomes fine, brown	0.0	A	
SB61 2.5'	12/19/18				same	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB62 0.5'	12/18/18				SAND, fine to coarse, dark brown, roots	0.0	S	
SB62 1.5'	12/18/18				becomes fine, brown	0.0	S	
SB62 2.5'	12/18/18				same	0.0	S	
SB63 0.5'	12/19/18				SAND, fine, brown	0.0	A	Duplicate 1
SB63 1.5'	12/19/18				same	0.0	A	
SB63 2.5'	12/19/18				same	0.0	A	
SB64 0.5'	12/19/18				SAND, fine, brown	0.0	A	
SB64 1.5'	12/19/18				becomes SAND w/silt	0.0	A	
SB64 2.5'	12/19/18				becomes SAND	0.0	A	
SB65 0.5'	12/18/18				SAND w/silt, fine grained, brown, roots	0.0	S	
SB65 1.5'	12/18/18				same	0.0	S	
SB65 2.5'	12/18/18				same	0.0	S	
SB66 0.5'	12/18/18				SAND w/silt, fine grained, dark brown, roots	0.0	S	
SB66 1.5'	12/18/18				same	0.0	S	
SB66 2.5'	12/18/18				SAND, fine grained, pale brown roots	0.0	S	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB67 0.5'	12/19/18				SAND, fine to med, grayish brown	0.0	A	
SB67 1.5'	12/19/18				becomes fine	0.0	A	
SB67 2.5'	12/19/18				same	0.0	A	
SB68 0.5'	12/18/18				SAND, fine grained, brown	0.0	S	Duplicate 2
SB68 1.5'	12/18/18				same	0.0	S	
SB68 2.5'	12/18/18				same	0.0	S	
SB69 0.5'	12/20/18				SAND, fine, brown	0.0	A	
SB69 1.5'	12/20/18				same	0.0	A	
SB69 2.5'	12/20/18				same	0.0	A	
SB70 0.5'	12/26/18				SAND w/silt, fine, grayish brown	0.0	A	
SB70 1.5'	12/26/18				SAND, fine, brown	0.0	A	
SB70 2.5'	12/26/18				same	0.0	A	
SB71 0.5'	12/26/18				SAND, fine, brown	0.0	A	Duplicate 1
SB71 1.5'	12/26/18				same	0.0	A	
SB71 2.5'	12/26/18				same	0.0	A	
SB72 0.5'	12/26/18				SAND, fine, brown	0.0	A	
SB72 1.5'	12/26/18				same	0.0	A	
SB72 2.5'	12/26/18				same	0.0	A	



WAYNE PERRY, INC.

8281 Commonwealth Ave.

Buena Park, CA. 90621

Tel: (714) 826-0352

JOB NAME: *Ascot*

SUBJECT: *Field Duplicates*

JOB NO. _____ DATE *10/21/19* BY _____ SHEET _____ of _____

Duplicate 1 IS SB79 d0.5

Duplicate 2 IS SB83 d0.5

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB73 0.5'	1/21/19				SAND w/ silt, fine, brown (104R 4/3)	0.0	A	
SB73 1.5'					SAND, fine, brown (104R 4/3)			
SB73 2.5'					same			
SB74 0.5'	1/21/19				silt, SAND fine, dark brown (104R 3/3)	0.0	A	
SB74 1.5'					SAND, fine, brown (104R 4/3)			
SB74 2.5'					same			
SB75 0.5'	1/21/19				SAND, fine, dark brown (104R 3/3)	0.0	A	
SB75 1.5'					becomes brown (104R 4/3)			
SB75 2.5'					same			
SB76 0.5'	1/21/19				SAND, fine, brown (104R 4/3)	0.0	A	
SB76 1.5'					same			
SB76 2.5'					same			
SB77 0.5'	1/21/19				SAND, fine, grayish brown (104R 5/2)	0.0	A	
SB77 1.5'					becomes brown (104R 5/3)			
SB77 2.5'					same			
SB78 0.5'	1/21/19				SAND fine to med, grayish brown (104R 5/2)	0.0	A	
SB78 1.5'					becomes fine, brown (104R 5/3)			
SB78 2.5'					same			

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-oncrete S-oil	Notes
SB85 0.5'								
SB85 1.5'								
SB85 2.5'								
SB86 0.5'	1/21/19				SAND, fine, brown (10YR 4/3)	0.0	A	
SB86 1.5'	1				same	1	1	
SB86 2.5'	1				same	1	1	
SB87 0.5'	1/21/19				SAND, fine, trace fine gravel, dark brown (10YR 3/3)	0.0	A	
SB87 1.5'	1				becomes SAND, fine, brown (10YR 5/3) - trace brick	1	1	
SB87 2.5'	1				no brick	1	1	
SB88 0.5'	1/21/19				SAND, fine, brown (10YR 5/3)	0.0	A	
SB88 1.5'	1				NOT RECOVERED	1	1	
SB88 2.5'	1				same	1	1	
SB89 0.5'	1/21/19				SAND w/silt, fine, brown (10YR 4/3)	0.0	A	
SB89 1.5'	1				same	1	1	
SB89 2.5'	1				becomes brown (10YR 5/3)	1	1	
SB90 0.5'	1/21/19				Silty SAND fine, dark brown (10YR 3/3)	0.0	A	
SB90 1.5'	1				SAND, fine, brown (10YR 4/3)	1	1	
SB90 2.5'	1				same			

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB91 0.5'	1/21/19				SAND w/ silt, fine, dark brown (10YR 3/3)	0.0	A	
SB91 1.5'					SAND, fine, brown (10YR 4/3)			
SB91 2.5'					same			
SB92 0.5'	1/21/19				SILTY SAND, fine, dark brown (10YR 3/3)	0.0	A	
SB92 1.5'					SAND, fine, brown (10YR 4/3)			
SB92 2.5'					same			
SB93 0.5'	1/21/19				SAND, fine, dark brown (10YR 3/3)	0.0	A	
SB93 1.5'					same			
SB93 2.5'					same			
SB94 0.5'	1/21/19				SAND w/ silt, fine to med dark brown (10YR 3/3)	0.0	A	
SB94 1.5'					SAND, fine, brown (10YR 4/3)			
SB94 2.5'					same			
SB95 0.5'								
SB95 1.5'								
SB95 2.5'								
SB95 3.5'								
SB96 0.5'								
SB96 1.5'								
SB96 2.5'								

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-oncrete S-oil	Notes
SB103 0.5'								
SB103 1.5'								
SB103 2.5'								
SB104 0.5'	1/21/19				SAND w/ silt, fine, trace fine gravel, dark brown (10YR3/3)	0.0	A	
SB104 1.5'	1				SAND, fine, brown (10YR5/3)	1	1	
SB104 2.5'	1				same			

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB84 0.5'	2/18/19				SM Silty sand, moist, dark brown med coarse sand	0.0	A	
SB84 1.5'	2/18/19				↓	0.0	A	
SB84 2.5'	2/18/19				SM Silty sand, moist, fine sand, dark olive brown	0.0	A	
SB85 0.5'	2/18/19				↑	0.0	A	
SB85 1.5'	2/18/19				↑	0.0	A	
SB85 2.5'	2/18/19				SM Silty sand, moist, fine grained, light olive brown	0.0	A	
SB95 2.5'	2/18/19				SM Silty sand, moist, med sand, dark brown, trace fine olive brown	0.0	A	
SB95 3.0'	2/18/19				olive brown	0.0	A	
SB95 4.0'	2/18/19				↑	0.0	A	
SB95 5.0'	2/18/19				SP Sand, moist, fine sand, light olive brown	0.0	A	
SB96 0.5'	2/18/19				SM Silty sand, dark olive brown, moist, fine med sand	0.0	A	
SB96 1.5'	2/18/19					0.0	A	
SB96 2.5'	2/18/19					0.6	A	
SB97 0.5'	2/18/19				ML Silty w/sand, dark brown, fine to med moist	0.0	A	
SB97 1.5'	2/18/19				SP Sand, moist, fine sand, light olive brown	0.0	A	
SB97 2.5'	2/18/19				↓	0.0	A	
SB98 0.5'	2/18/19				↑	0.0	A	
SB98 1.5'	2/18/19				SM Silty sand, moist, fine sand, dark brown	0.0	A	
SB98 2.5'	2/18/19				SP Sand, moist, fine sand, olive brown, some silt	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-oncrete S-oil	Notes
SB99 0.5'	2/18/19				dark brown	0.0	A	
SB99 1.5'	2/18/19				↑	0.0	A	
SB99 2.5'	2/18/19				sm ^l silty sand, moist, olive brown, fine sand	0.0	A	
SB100 0.5'	2/18/19				sm ^l silty sand, moist, fine sand, dark olive brown	0.0	A	
SB100 1.5'	2/18/19				trace fine gravel	0.0	A	
SB100 2.5'	2/18/19				no gravel	0.0	A	
SB101 0.5'	2/18/19				sm ^l silty sand, moist, dark brown, fine to med	0.0	A	
SB101 1.5'	2/18/19				SP ^l sand, moist, fine sand, olive brown	0.0	A	
SB101 2.5'	2/18/19					0.0	A	
SB102 0.5'	2/18/19				trace fine gravel, coarse sand	1.1	A	
SB102 1.5'	2/18/19				sm ^l silty sand, dark olive brown, moist, fine-med sand	0.0	A	
SB102 2.5'	2/18/19				fine sand only	0.0	A	
SB103 0.5'	2/18/19				dark olive brown sand	0.0	A	
SB103 1.5'	2/18/19				sm ^l silty sand, olive brown, moist, fine sand	0.0	A	
SB103 2.5'	2/18/19					0.0	A	
SB105 0.5'	2/18/19				med silty w/ sand, fine sand, moist, dark olive brown	0.0	A	
SB105 1.5'	2/18/19				sm ^l silty sand, moist, fine to med sand, light olive brown	0.0	A	
SB105 2.5'	2/18/19				med silty w/ sand, fine med sand, moist, light olive brown	0.0	A	
SB106 0.5'	2/18/19				sm ^l silty sand, dark olive brown, moist, med sand	0.0	A	
SB106 1.5'	2/18/19				trace fine gravel	0.0	A	

Boring ID	Date Sampled	Lab ID	Coordinates	Picture #	Lithology	PID Reading (ppm)	Surface/ A-sphalt C-concrete S-oil	Notes
SB106 2.5'	2/18/19				sm silty sand, moist, dark olive brown, med. sand	0.0	A	
SB107 0.5'	2/18/19					0.0	A	
SB107 1.5'	2/18/19				sm silty sand, dark olive brown, moist, med. sand	0.0	A	
SB107 2.5'	2/18/19				X	0.0	A	
SB108 0.5'	2/18/19					0.0	A	
SB108 1.5'	2/18/19					0.0	A	
SB108 2.5'	2/18/19				sm sand w/ silt, moist, fine sand, dark olive brown	0.0	A	
SB109 0.5'	2/18/19				sm sand, dark olive brown, moist, med. sand, some silt	0.0	A	
SB109 1.5'	2/18/19					0.0	A	
SB109 2.5'	2/18/19					0.0	A	
SB110 0.5'	2/18/19				ML silt with sand, moist, med. coarse, true fine gravel	0.0	A	
SB110 1.5'	2/18/19				sm silty sand, moist, dark olive brown, fine sand	0.1	A	
SB110 2.5'	2/18/19				X	0.0	A	
SB111 0.5'	2/18/19					0.4	A	
SB111 1.5'	2/18/19				true fine gravel, coarse sand	1.0	A	
SB111 2.5'	2/18/19				sm silty sand, moist, fine sand, olive brown	0.6	A	
SB112 0.5'	2/18/19				sm silty sand, dark brown, moist, med to coarse sand, fine gravel	0.0	A	
SB112 1.5'	2/18/19				0.2	A		
SB112 2.5'	2/18/19				silty sand, dark olive brown, moist, med sand	0.0	A	



SB01



SB02



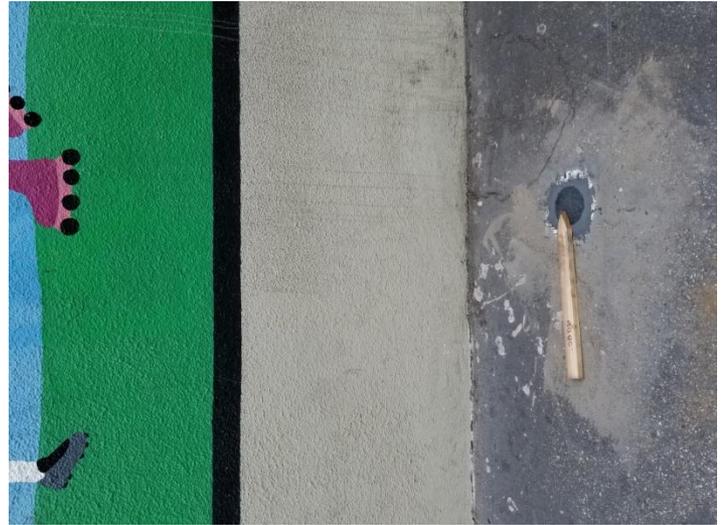
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SB04



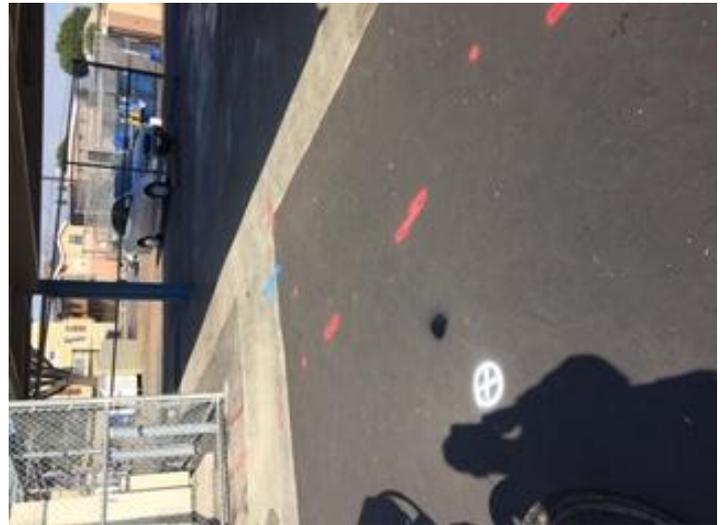
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SB06



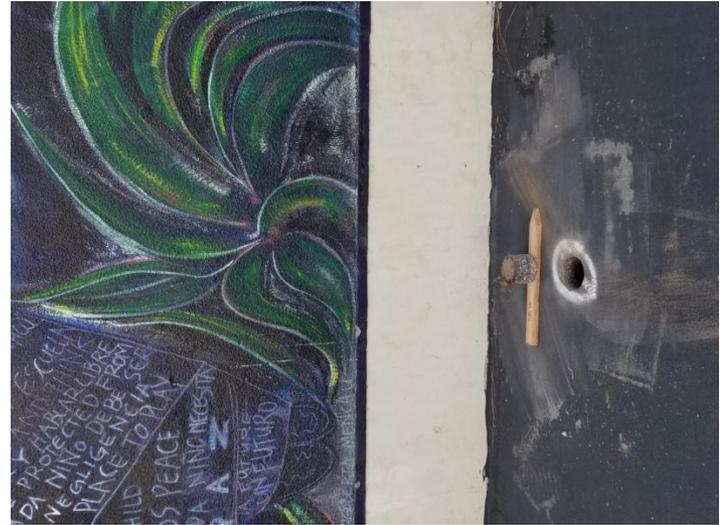
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SB08



SB09



SB10



SB11



SB12



SB13



SB14



SB15



SB17



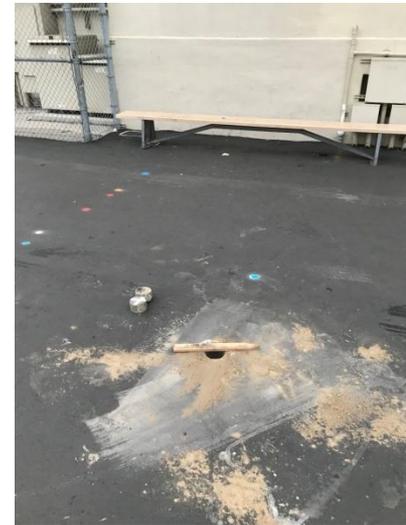
SB18



SB19



SB20



SB21



SB22



SB23



SB24



SB25



SB26



SB27



SB28



SB29



SB30



SB31



SB32



SB33



SB34



SB35



SB36



SB38



SB39



SB40



SB41



SB42



SB43



SB44



SB45



SB46



SB47



SB48



SB49



SB50



SB51



SB52



SB53



SB54



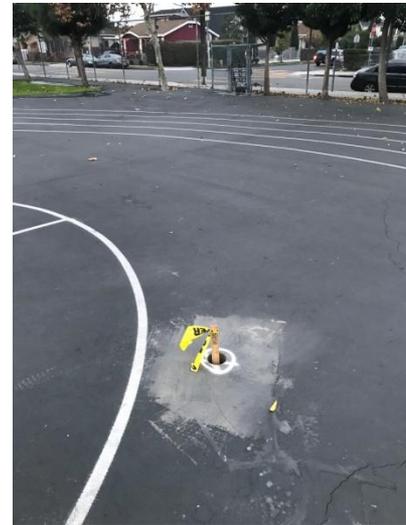
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SB56



SB57



SB58



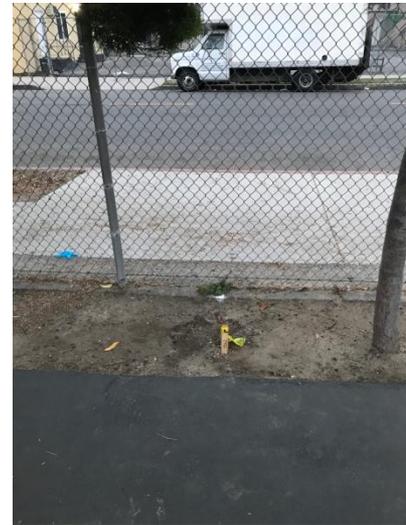
SB59



SB60



SB61



SB62



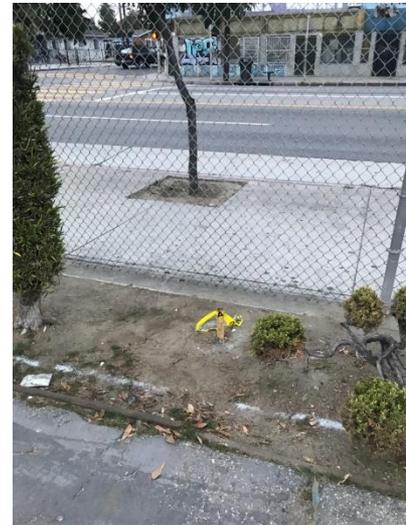
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SB64



SB65



SB66



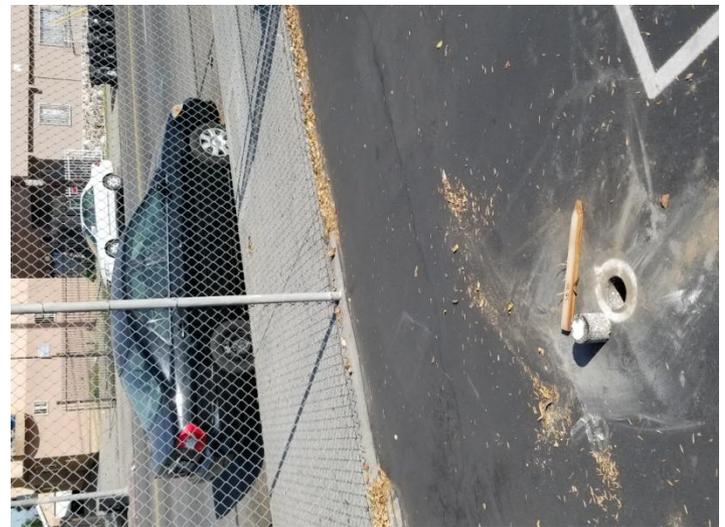
SB67



SB68



SB69



SB70



SB71



SB72



SB73



SB74



SB75



SB76



SB77



SB78



SB79



SB80



SB81



SB82



SB83



SB84



SB85



SB86



SB87



SB88



SB89



SB90



SB91



SB92



SB93



SB94



SB95



SB96



SB97



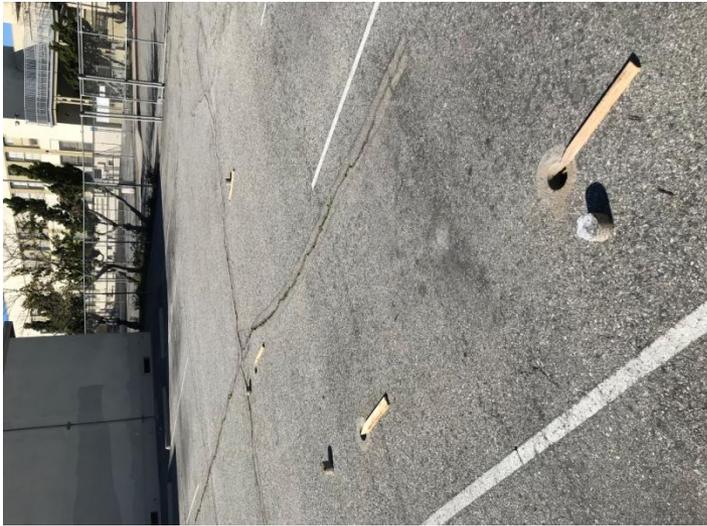
SB98



SB99



SB100



SB101



SB102



SB103



SB104



SB105



SB106



SB107



SB108



SB109



SB110



SB111



SB112

APPENDIX D

**TESTAMERICA LABORATORY REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTS**

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-228400-2

Client Project/Site: LAUSD Soil

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 3:42:32 PM

Urvashi Patel, Manager of Project Management

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Designee for

Dennis Tran, Project Manager I

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dennis.tran@testamericainc.com

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

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

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

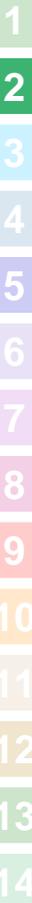


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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-228400-5	Duplicate 1	Solid	12/19/18 16:00	12/20/18 15:30
440-228400-6	Duplicate 2	Solid	12/19/18 16:15	12/20/18 15:30
440-228400-7	Eq Blank	Water	12/19/18 16:30	12/20/18 15:30
440-228400-8	SB01d0.5	Solid	12/19/18 08:00	12/20/18 15:30
440-228400-9	SB67d0.5	Solid	12/19/18 08:15	12/20/18 15:30
440-228400-13	SB63d0.5	Solid	12/19/18 08:50	12/20/18 15:30
440-228400-17	SB61d0.5	Solid	12/19/18 09:15	12/20/18 15:30
440-228400-18	SB60d0.5	Solid	12/19/18 09:20	12/20/18 15:30
440-228400-19	SB61d1.5	Solid	12/19/18 09:25	12/20/18 15:30
440-228400-23	SB64d0.5	Solid	12/19/18 09:40	12/20/18 15:30
440-228400-24	SB58d0.5	Solid	12/19/18 09:45	12/20/18 15:30
440-228400-25	SB64d1.5	Solid	12/19/18 09:47	12/20/18 15:30
440-228400-29	SB57d0.5	Solid	12/19/18 10:10	12/20/18 15:30
440-228400-30	SB57d1.5	Solid	12/19/18 10:15	12/20/18 15:30
440-228400-31	SB44d0.5	Solid	12/19/18 10:20	12/20/18 15:30
440-228400-33	SB44d1.5	Solid	12/19/18 10:35	12/20/18 15:30
440-228400-34	SB44d2.5	Solid	12/19/18 11:00	12/20/18 15:30
440-228400-35	SB45d0.5	Solid	12/19/18 11:05	12/20/18 15:30
440-228400-36	SB45d1.5	Solid	12/19/18 12:00	12/20/18 15:30
440-228400-37	SB45d2.5	Solid	12/19/18 12:20	12/20/18 15:30
440-228400-38	SB46d0.5	Solid	12/19/18 12:30	12/20/18 15:30
440-228400-39	SB36d0.5	Solid	12/19/18 12:35	12/20/18 15:30
440-228400-40	SB46d1.5	Solid	12/19/18 12:40	12/20/18 15:30
440-228400-44	SB41d0.5	Solid	12/19/18 13:10	12/20/18 15:30
440-228400-45	SB38d0.5	Solid	12/19/18 13:15	12/20/18 15:30
440-228400-46	SB38d1.5	Solid	12/19/18 13:20	12/20/18 15:30
440-228400-49	SB38d2.5	Solid	12/19/18 13:55	12/20/18 15:30
440-228400-50	SB34d0.5	Solid	12/19/18 14:05	12/20/18 15:30
440-228400-51	SB39d0.5	Solid	12/19/18 14:15	12/20/18 15:30
440-228400-52	SB34d1.5	Solid	12/19/18 14:25	12/20/18 15:30
440-228400-54	SB39d1.5	Solid	12/19/18 14:35	12/20/18 15:30
440-228400-56	SB42d0.5	Solid	12/19/18 14:55	12/20/18 15:30
440-228400-57	SB40d0.5	Solid	12/19/18 15:05	12/20/18 15:30
440-228400-58	SB66d0.5	Solid	12/18/18 08:15	12/20/18 15:30
440-228400-61	SB65d0.5	Solid	12/18/18 08:45	12/20/18 15:30
440-228400-64	SB62d0.5	Solid	12/18/18 09:00	12/20/18 15:30
440-228400-67	SB59d0.5	Solid	12/18/18 09:35	12/20/18 15:30
440-228400-68	SB59d1.5	Solid	12/18/18 09:45	12/20/18 15:30
440-228400-70	SB56d0.5	Solid	12/18/18 10:30	12/20/18 15:30
440-228400-73	SB43d0.5	Solid	12/18/18 11:15	12/20/18 15:30
440-228400-76	SB35d0.5	Solid	12/18/18 11:50	12/20/18 15:30
440-228400-79	SB68d0.5	Solid	12/18/18 12:30	12/20/18 15:30
440-228400-80	SB68d1.5	Solid	12/18/18 12:35	12/20/18 15:30
440-228400-82	Duplicate 1	Solid	12/18/18 14:45	12/20/18 15:30
440-228400-83	Duplicate 2	Solid	12/18/18 14:50	12/20/18 15:30
440-228400-84	Eq Blank	Water	12/18/18 15:00	12/20/18 15:30
440-228400-85	SB35,36, & 38d0.5 (Composite)	Solid	12/18/18 11:50	12/20/18 15:30
440-228400-86	SB39,40,41, & 42d0.5 (Composite)	Solid	12/19/18 13:10	12/20/18 15:30
440-228400-87	SB43,44,45, & 46d0.5 (Composite)	Solid	12/18/18 11:15	12/20/18 15:30
440-228400-88	SB56,57,58, & 59d0.5 (Composite)	Solid	12/18/18 09:35	12/20/18 15:30
440-228400-89	SB60,61,62, & 63d0.5 (Composite)	Solid	12/18/18 09:00	12/20/18 15:30
440-228400-90	SB64,65,66, & 67d0.5 (Composite)	Solid	12/18/18 08:15	12/20/18 15:30

TestAmerica Irvine

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Job ID: 440-228400-2

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-228400-1**

Comments

No additional comments.

Receipt

The samples were received on 12/20/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

GC Semi VOA

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

Metals

Method(s) 6010B: The post digestion spike % recovery for Lead associated with batch 440-519246 was outside of control limits.

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

Organic Prep

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

Narrative

**Job Narrative
440-228400-2**

Comments

Partial report pending additional Lead data.

Revision created to update case narrative for Emlab P&K.

Receipt

The samples were received on 12/20/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

GC/MS Semi VOA

Method(s) 8270C SIM: The following samples were diluted due to the nature of the sample matrix: SB43d0.5 (440-228400-73) and SB68d0.5 (440-228400-79). Elevated reporting limits (RLs) are provided.

Method(s) 8270C SIM: Surrogate recovery for the following samples were outside control limits: SB39d0.5 (440-228400-51), SB43d0.5 (440-228400-73), SB35d0.5 (440-228400-76) and SB68d0.5 (440-228400-79). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C SIM: Internal standard perylene-d12 response was below acceptance limits for the following samples: SB35d0.5 (440-228400-76) and SB68d0.5 (440-228400-79). The sample(s) shows evidence of matrix interference. The affected analytes are marked with an asterisk (*). If the matrix effect is isolated to perylene-d12, then the results for the affected compounds are potentially biased high.

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

GC Semi VOA

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

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony and Zinc for preparation batch 440-519097 and analytical batch 440-519365 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Job ID: 440-228400-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Barium and Antimony for preparation batch 440-519096 and analytical batch 440-519351 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The post digestion spike % recovery for Barium associated with batch 440-519351 was outside of control limits.

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

Organic Prep

Method(s) 3546: Due to the matrix, the following samples could not be concentrated to the final method required volume: SB43d0.5 (440-228400-73) and SB68d0.5 (440-228400-79). The reporting limits (RLs) are elevated proportionately. 3546 8270C SIM PAH

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

Subcontract Work

Method Asbestos PLM Bulk 600/R-93/116 (no grinding): This method was subcontracted to EMLab - Irvine. The subcontract laboratory certification is different from that of the facility issuing the final report.

Narrative

Job Narrative
440-228400-4

Comments

No additional comments.

Receipt

The samples were received on 12/20/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Lead for preparation batch 440-520582 and analytical batch 440-520904 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Lead for preparation batch 440-520579 and analytical batch 440-520896 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep

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

Narrative

Job Narrative
440-228400-5

Comments

No additional comments.

Receipt

The samples were received on 12/20/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

Metals

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Job ID: 440-228400-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

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

Organic Prep

Method(s) 1311: Insufficient samples were provided to perform the leaching procedure with the required 100g for the following samples: SB45d0.5 (440-228400-35) and SB46d0.5 (440-228400-38). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

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

Narrative

Job Narrative 440-228400-6

Comments

No additional comments.

Receipt

The samples were received on 12/20/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

Metals

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

Organic Prep

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

Narrative

Job Narrative 440-228400-7

Comments

No additional comments.

Receipt

The samples were received on 12/20/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

Metals

Method(s) 6010B: The matrix spike duplicate (MSD) recoveries of Lead for preparation batch 440-532106 and analytical batch 440-532280 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep

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

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: Duplicate 1

Date Collected: 12/19/18 16:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-5

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 10:47	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 10:42	20

Client Sample ID: Duplicate 2

Date Collected: 12/19/18 16:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-6

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	35		2.0	0.99	mg/Kg		12/24/18 10:49	12/26/18 10:59	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 10:53	20

Client Sample ID: Eq Blank

Date Collected: 12/19/18 16:30

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-7

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/24/18 08:32	12/24/18 15:30	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/24/18 08:25	12/24/18 16:14	1

Client Sample ID: SB01d0.5

Date Collected: 12/19/18 08:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1
Aroclor 1221	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1
Aroclor 1232	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1
Aroclor 1242	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1
Aroclor 1248	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1
Aroclor 1254	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1
Aroclor 1260	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	64		45 - 120	12/27/18 18:48	12/28/18 13:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.4		2.0	0.99	mg/Kg		12/24/18 10:49	12/26/18 11:02	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB01d0.5

Date Collected: 12/19/18 08:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-8

Matrix: Solid

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		0.49	0.25	mg/Kg		12/24/18 10:49	12/26/18 10:55	20

Client Sample ID: SB67d0.5

Date Collected: 12/19/18 08:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-9

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		2.0	0.98	mg/Kg		12/24/18 10:49	12/26/18 11:12	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.49	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:01	20

Client Sample ID: SB63d0.5

Date Collected: 12/19/18 08:50

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Benzo[a]pyrene	5.0	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Benzo[b]fluoranthene	7.4	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Benzo[g,h,i]perylene	7.9	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Chrysene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Fluoranthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Fluorene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Indeno[1,2,3-cd]pyrene	6.5	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Naphthalene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Phenanthrene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1
Pyrene	4.7	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	107		29 - 120	12/21/18 12:51	12/24/18 15:44	1
Nitrobenzene-d5	95		11 - 118	12/21/18 12:51	12/24/18 15:44	1
Terphenyl-d14	109		10 - 120	12/21/18 12:51	12/24/18 15:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:15	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:03	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB61d0.5

Lab Sample ID: 440-228400-17

Date Collected: 12/19/18 09:15

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1
Aroclor 1221	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1
Aroclor 1232	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1
Aroclor 1242	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1
Aroclor 1248	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1
Aroclor 1254	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1
Aroclor 1260	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78		45 - 120	12/21/18 12:34	12/24/18 21:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		2.0	0.98	mg/Kg		12/24/18 10:49	12/26/18 11:17	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		0.49	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:05	20

Client Sample ID: SB60d0.5

Lab Sample ID: 440-228400-18

Date Collected: 12/19/18 09:20

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	54		2.0	0.99	mg/Kg		12/24/18 10:49	12/26/18 11:20	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.49	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:07	20

Client Sample ID: SB61d1.5

Lab Sample ID: 440-228400-19

Date Collected: 12/19/18 09:25

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		2.0	0.99	mg/Kg		01/03/19 12:30	01/04/19 19:41	5

Client Sample ID: SB64d0.5

Lab Sample ID: 440-228400-23

Date Collected: 12/19/18 09:40

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:22	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:09	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB58d0.5

Lab Sample ID: 440-228400-24

Date Collected: 12/19/18 09:45

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Arsenic	3.4		3.0	1.5	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Barium	180		1.5	0.75	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Beryllium	0.44	J	0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Cadmium	0.32	J	0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Chromium	20		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Cobalt	7.6		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Copper	31		2.0	1.1	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Lead	60		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Nickel	11		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Selenium	ND		3.0	1.7	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Silver	ND		1.5	0.89	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Thallium	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Vanadium	41		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Zinc	110		5.0	2.5	mg/Kg		12/24/18 10:49	12/26/18 11:25	5
Lead	60		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:25	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:11	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.020	0.012	mg/Kg		12/24/18 12:36	12/24/18 17:10	1

Client Sample ID: SB64d1.5

Lab Sample ID: 440-228400-25

Date Collected: 12/19/18 09:47

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		2.0	0.98	mg/Kg		01/03/19 12:45	01/06/19 14:16	5

Client Sample ID: SB57d0.5

Lab Sample ID: 440-228400-29

Date Collected: 12/19/18 10:10

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Benzo[a]anthracene	12	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Benzo[a]pyrene	18	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Benzo[b]fluoranthene	34		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Benzo[g,h,i]perylene	19	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Benzo[k]fluoranthene	12	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Chrysene	19	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1
Dibenz(a,h)anthracene	7.5	J	30	4.0	ug/Kg		12/21/18 12:51	12/24/18 18:10	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB57d0.5

Lab Sample ID: 440-228400-29

Date Collected: 12/19/18 10:10

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	18	J	30	4.0	ug/Kg	-	12/21/18 12:51	12/24/18 18:10	1
Fluorene	ND		30	4.0	ug/Kg	-	12/21/18 12:51	12/24/18 18:10	1
Indeno[1,2,3-cd]pyrene	17	J	30	4.0	ug/Kg	-	12/21/18 12:51	12/24/18 18:10	1
Naphthalene	ND		30	4.0	ug/Kg	-	12/21/18 12:51	12/24/18 18:10	1
Phenanthrene	8.3	J	30	4.0	ug/Kg	-	12/21/18 12:51	12/24/18 18:10	1
Pyrene	19	J	30	4.0	ug/Kg	-	12/21/18 12:51	12/24/18 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	117		29 - 120				12/21/18 12:51	12/24/18 18:10	1
Nitrobenzene-d5	102		11 - 118				12/21/18 12:51	12/24/18 18:10	1
Terphenyl-d14	116		10 - 120				12/21/18 12:51	12/24/18 18:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	84		2.0	1.0	mg/Kg	-	12/24/18 10:49	12/26/18 11:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.50	0.25	mg/Kg	-	12/24/18 10:49	12/26/18 11:13	20

Client Sample ID: SB57d1.5

Lab Sample ID: 440-228400-30

Date Collected: 12/19/18 10:15

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		2.0	1.0	mg/Kg	-	01/03/19 12:45	01/06/19 14:18	5

Client Sample ID: SB44d0.5

Lab Sample ID: 440-228400-31

Date Collected: 12/19/18 10:20

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Aroclor 1221	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Aroclor 1232	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Aroclor 1242	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Aroclor 1248	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Aroclor 1254	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Aroclor 1260	ND		50	17	ug/Kg	-	12/21/18 12:34	12/24/18 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	79		45 - 120				12/21/18 12:34	12/24/18 21:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		2.0	0.99	mg/Kg	-	12/24/18 10:49	12/26/18 11:30	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB44d0.5

Date Collected: 12/19/18 10:20

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-31

Matrix: Solid

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:15	20

Client Sample ID: SB44d1.5

Date Collected: 12/19/18 10:35

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-33

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		0.10	0.080	mg/L			03/07/19 11:54	20

Client Sample ID: SB44d2.5

Date Collected: 12/19/18 11:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-34

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	220		2.0	0.99	mg/Kg		03/04/19 09:55	03/04/19 18:52	5

Client Sample ID: SB45d0.5

Date Collected: 12/19/18 11:05

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-35

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Arsenic	14		3.0	1.5	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Barium	250		1.5	0.75	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Beryllium	0.39	J	0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Cadmium	1.3		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Chromium	27		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Cobalt	7.5		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Copper	91		2.0	1.1	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Lead	240		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Molybdenum	1.1	J	2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Nickel	16		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Selenium	ND		3.0	1.7	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Silver	ND		1.5	0.89	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Thallium	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Vanadium	34		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Zinc	410		5.0	2.5	mg/Kg		12/24/18 10:49	12/26/18 11:32	5
Lead	240		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:32	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.15		0.10	0.040	mg/L		01/09/19 17:25	01/10/19 11:46	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.10	0.080	mg/L			01/07/19 11:22	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB45d0.5

Lab Sample ID: 440-228400-35

Date Collected: 12/19/18 11:05

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:22	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.020	0.012	mg/Kg		12/24/18 12:36	12/24/18 17:15	1

Client Sample ID: SB45d1.5

Lab Sample ID: 440-228400-36

Date Collected: 12/19/18 12:00

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	290		2.0	0.98	mg/Kg		01/03/19 12:45	01/06/19 14:21	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.12		0.10	0.040	mg/L		01/16/19 22:17	01/17/19 13:21	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		0.10	0.080	mg/L			01/10/19 17:21	20

Client Sample ID: SB45d2.5

Lab Sample ID: 440-228400-37

Date Collected: 12/19/18 12:20

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.7		0.10	0.080	mg/L			01/18/19 11:51	20

Client Sample ID: SB46d0.5

Lab Sample ID: 440-228400-38

Date Collected: 12/19/18 12:30

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:40	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.054	J	0.10	0.040	mg/L		01/09/19 17:25	01/10/19 11:35	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.10	0.080	mg/L			01/07/19 11:25	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:24	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB36d0.5

Date Collected: 12/19/18 12:35

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-39

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61		2.0	0.99	mg/Kg		12/24/18 10:49	12/26/18 11:42	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:26	20

Client Sample ID: SB46d1.5

Date Collected: 12/19/18 12:40

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-40

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		2.0	1.0	mg/Kg		01/03/19 12:45	01/06/19 14:23	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.080	J	0.10	0.080	mg/L			01/10/19 18:40	20

Client Sample ID: SB41d0.5

Date Collected: 12/19/18 13:10

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-44

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:45	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:28	20

Client Sample ID: SB38d0.5

Date Collected: 12/19/18 13:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-45

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1
Aroclor 1221	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1
Aroclor 1232	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1
Aroclor 1242	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1
Aroclor 1248	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1
Aroclor 1254	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1
Aroclor 1260	ND		49	17	ug/Kg		12/21/18 12:34	12/24/18 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78		45 - 120	12/21/18 12:34	12/24/18 21:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:47	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB38d0.5

Lab Sample ID: 440-228400-45

Date Collected: 12/19/18 13:15

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:30	20

Client Sample ID: SB38d1.5

Lab Sample ID: 440-228400-46

Date Collected: 12/19/18 13:20

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61		2.0	0.99	mg/Kg		03/04/19 09:55	03/04/19 18:55	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.10	0.080	mg/L			03/07/19 12:32	20

Client Sample ID: SB38d2.5

Lab Sample ID: 440-228400-49

Date Collected: 12/19/18 13:55

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5	J	2.0	0.99	mg/Kg		03/04/19 09:55	03/04/19 18:57	5

Client Sample ID: SB34d0.5

Lab Sample ID: 440-228400-50

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		2.0	0.98	mg/Kg		12/24/18 10:49	12/26/18 11:50	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		0.10	0.080	mg/L			01/10/19 17:37	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.49	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:32	20

Client Sample ID: SB39d0.5

Lab Sample ID: 440-228400-51

Date Collected: 12/19/18 14:15

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Acenaphthylene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Anthracene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Benzo[a]anthracene	7.1	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Benzo[a]pyrene	8.3	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Benzo[b]fluoranthene	17	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Benzo[g,h,i]perylene	6.8	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB39d0.5

Lab Sample ID: 440-228400-51

Date Collected: 12/19/18 14:15

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	4.7	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Chrysene	11	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Dibenz(a,h)anthracene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Fluoranthene	15	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Fluorene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Indeno[1,2,3-cd]pyrene	6.4	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Naphthalene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Phenanthrene	6.4	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Pyrene	14	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	275	X	29 - 120				12/21/18 12:51	12/24/18 18:34	1
Nitrobenzene-d5	258	X	11 - 118				12/21/18 12:51	12/24/18 18:34	1
Terphenyl-d14	251	X	10 - 120				12/21/18 12:51	12/24/18 18:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:52	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.16		0.10	0.040	mg/L		01/16/19 22:17	01/17/19 13:23	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		0.10	0.080	mg/L			01/10/19 17:40	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:34	20

Client Sample ID: SB34d1.5

Lab Sample ID: 440-228400-52

Date Collected: 12/19/18 14:25

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23		2.0	1.0	mg/Kg		01/03/19 12:45	01/06/19 14:25	5

Client Sample ID: SB39d1.5

Lab Sample ID: 440-228400-54

Date Collected: 12/19/18 14:35

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.0		2.0	0.99	mg/Kg		01/03/19 12:45	01/06/19 14:28	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.42		0.10	0.080	mg/L			01/18/19 12:04	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB42d0.5

Lab Sample ID: 440-228400-56

Date Collected: 12/19/18 14:55

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Arsenic	2.2	J	3.0	1.5	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Barium	61		1.5	0.75	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Beryllium	0.58		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Cadmium	ND		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Chromium	13		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Cobalt	5.5		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Copper	16		2.0	1.1	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Lead	8.2		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Nickel	9.7		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Selenium	ND		3.0	1.7	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Silver	ND		1.5	0.89	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Thallium	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Vanadium	28		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Zinc	39		5.0	2.5	mg/Kg		12/24/18 10:49	12/26/18 11:55	5
Lead	8.2		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 11:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:36	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.012	mg/Kg		12/24/18 12:36	12/24/18 17:17	1

Client Sample ID: SB40d0.5

Lab Sample ID: 440-228400-57

Date Collected: 12/19/18 15:05

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	51		2.0	0.98	mg/Kg		12/24/18 10:49	12/26/18 11:58	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.49	0.25	mg/Kg		12/24/18 10:49	12/26/18 11:38	20

Client Sample ID: SB66d0.5

Lab Sample ID: 440-228400-58

Date Collected: 12/18/18 08:15

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1
Aroclor 1221	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1
Aroclor 1232	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1
Aroclor 1242	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1
Aroclor 1248	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1
Aroclor 1254	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1
Aroclor 1260	ND		49	17	ug/Kg		12/27/18 18:48	12/28/18 13:10	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	60		45 - 120	12/27/18 18:48	12/28/18 13:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 13:36	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 11:48	20

Client Sample ID: SB65d0.5

Lab Sample ID: 440-228400-61

Date Collected: 12/18/18 08:45

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 13:49	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.3		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 11:59	20

Client Sample ID: SB62d0.5

Lab Sample ID: 440-228400-64

Date Collected: 12/18/18 09:00

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Arsenic	3.8		3.0	1.5	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Barium	90		1.5	0.74	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Beryllium	0.25	J	0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Cadmium	0.38	J	0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Chromium	14		0.99	0.50	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Cobalt	5.4		0.99	0.50	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Copper	22		2.0	1.1	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Lead	48		2.0	0.99	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Nickel	8.7		2.0	0.99	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Selenium	ND		3.0	1.7	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Silver	ND		1.5	0.88	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Thallium	ND		9.9	5.0	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Vanadium	32		0.99	0.50	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Zinc	160		5.0	2.5	mg/Kg		12/24/18 10:53	12/26/18 13:51	5
Lead	48		2.0	0.99	mg/Kg		12/24/18 10:53	12/26/18 13:51	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:01	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.020	0.012	mg/Kg		12/24/18 12:36	12/24/18 17:19	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB59d0.5

Date Collected: 12/18/18 09:35

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-67

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	85		2.0	0.99	mg/Kg		12/24/18 10:53	12/26/18 13:59	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:07	20

Client Sample ID: SB59d1.5

Date Collected: 12/18/18 09:45

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-68

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.1		2.0	0.99	mg/Kg		01/03/19 12:45	01/06/19 14:30	5

Client Sample ID: SB56d0.5

Date Collected: 12/18/18 10:30

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-70

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 14:01	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:09	20

Client Sample ID: SB43d0.5

Date Collected: 12/18/18 11:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-73

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Acenaphthylene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Anthracene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Benzo[a]anthracene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Benzo[a]pyrene	22	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Benzo[b]fluoranthene	40	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Benzo[g,h,i]perylene	24	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Benzo[k]fluoranthene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Chrysene	29	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Dibenz(a,h)anthracene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Fluoranthene	44	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Fluorene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Indeno[1,2,3-cd]pyrene	16	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Naphthalene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Phenanthrene	20	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2
Pyrene	49	J	120	16	ug/Kg		12/21/18 12:51	12/24/18 18:58	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	121	X	29 - 120	12/21/18 12:51	12/24/18 18:58	2

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB43d0.5

Lab Sample ID: 440-228400-73

Date Collected: 12/18/18 11:15

Matrix: Solid

Date Received: 12/20/18 15:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	104		11 - 118	12/21/18 12:51	12/24/18 18:58	2
Terphenyl-d14	127	X	10 - 120	12/21/18 12:51	12/24/18 18:58	2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	53		2.0	0.98	mg/Kg		12/24/18 10:53	12/26/18 14:04	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.49	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:11	20

Client Sample ID: SB35d0.5

Lab Sample ID: 440-228400-76

Date Collected: 12/18/18 11:50

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Acenaphthylene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Anthracene	4.2	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Benzo[a]anthracene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Benzo[a]pyrene	ND	*	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Benzo[b]fluoranthene	ND	*	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Benzo[g,h,i]perylene	ND	*	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Benzo[k]fluoranthene	ND	*	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Chrysene	39		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Dibenz(a,h)anthracene	ND	*	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Fluoranthene	26	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Fluorene	ND		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Indeno[1,2,3-cd]pyrene	ND	*	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Naphthalene	4.1	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Phenanthrene	15	J	29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1
Pyrene	31		29	3.9	ug/Kg		12/21/18 12:51	12/24/18 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	117		29 - 120	12/21/18 12:51	12/24/18 19:23	1
Nitrobenzene-d5	120	X	11 - 118	12/21/18 12:51	12/24/18 19:23	1
Terphenyl-d14	128	X	10 - 120	12/21/18 12:51	12/24/18 19:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 14:06	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:13	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB68d0.5

Lab Sample ID: 440-228400-79

Date Collected: 12/18/18 12:30

Matrix: Solid

Date Received: 12/20/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Acenaphthylene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Anthracene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Benzo[a]anthracene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Benzo[a]pyrene	ND	*	120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Benzo[b]fluoranthene	ND	*	120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Benzo[g,h,i]perylene	ND	*	120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Benzo[k]fluoranthene	ND	*	120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Chrysene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Dibenz(a,h)anthracene	ND	*	120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Fluoranthene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Fluorene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Indeno[1,2,3-cd]pyrene	ND	*	120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Naphthalene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Phenanthrene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Pyrene	ND		120	16	ug/Kg		12/21/18 12:51	12/24/18 19:47	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	119		29 - 120				12/21/18 12:51	12/24/18 19:47	2
Nitrobenzene-d5	116		11 - 118				12/21/18 12:51	12/24/18 19:47	2
Terphenyl-d14	147	X	10 - 120				12/21/18 12:51	12/24/18 19:47	2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	96		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 14:09	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:15	20

Client Sample ID: SB68d1.5

Lab Sample ID: 440-228400-80

Date Collected: 12/18/18 12:35

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		2.0	1.0	mg/Kg		01/03/19 12:45	01/06/19 14:32	5

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228400-82

Date Collected: 12/18/18 14:45

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 14:11	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:17	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: Duplicate 2

Date Collected: 12/18/18 14:50

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-83

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	94		2.0	0.99	mg/Kg		12/24/18 10:53	12/26/18 14:14	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 12:19	20

Client Sample ID: Eq Blank

Date Collected: 12/18/18 15:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-84

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/24/18 08:32	12/24/18 15:33	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/24/18 08:25	12/24/18 16:16	1

Client Sample ID: SB35,36, & 38d0.5 (Composite)

Date Collected: 12/18/18 11:50

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-85

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
4,4'-DDE	20		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
4,4'-DDT	23		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Chlordane (technical)	26	J	50	9.9	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Dieldrin	3.9	J	5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:00	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		28 - 115	12/28/18 06:46	12/29/18 13:00	1
DCB Decachlorobiphenyl (Surr)	64		21 - 117	12/28/18 06:46	12/29/18 13:00	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB39,40,41, & 42d0.5 (Composite)

Lab Sample ID: 440-228400-86

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
4,4'-DDE	7.7		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
4,4'-DDT	12		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Aldrin	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
alpha-BHC	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
beta-BHC	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Chlordane (technical)	12 J		48	9.7	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
delta-BHC	ND		9.7	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Dieldrin	2.8 J		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Endosulfan I	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Endosulfan II	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Endosulfan sulfate	ND		9.7	1.9	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Endrin	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Endrin aldehyde	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Endrin ketone	ND		4.8	1.9	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
gamma-BHC (Lindane)	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Heptachlor	ND		4.8	1.9	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Heptachlor epoxide	ND		4.8	1.9	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Methoxychlor	ND		4.8	1.4	ug/Kg		12/28/18 06:46	12/29/18 13:15	1
Toxaphene	ND		190	48	ug/Kg		12/28/18 06:46	12/29/18 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		28 - 115	12/28/18 06:46	12/29/18 13:15	1
DCB Decachlorobiphenyl (Surr)	54		21 - 117	12/28/18 06:46	12/29/18 13:15	1

Client Sample ID: SB43,44,45, & 46d0.5 (Composite)

Lab Sample ID: 440-228400-87

Date Collected: 12/18/18 11:15

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
4,4'-DDE	14		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
4,4'-DDT	17		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Chlordane (technical)	18 J		50	9.9	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Dieldrin	3.1 J		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:30	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB43,44,45, & 46d0.5 (Composite)

Lab Sample ID: 440-228400-87

Date Collected: 12/18/18 11:15

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		28 - 115				12/28/18 06:46	12/29/18 13:30	1
DCB Decachlorobiphenyl (Surr)	61		21 - 117				12/28/18 06:46	12/29/18 13:30	1

Client Sample ID: SB56,57,58, & 59d0.5 (Composite)

Lab Sample ID: 440-228400-88

Date Collected: 12/18/18 09:35

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
4,4'-DDT	1.5	J	5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Chlordane (technical)	ND		50	9.9	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		28 - 115				12/28/18 06:46	12/29/18 13:45	1
DCB Decachlorobiphenyl (Surr)	61		21 - 117				12/28/18 06:46	12/29/18 13:45	1

Client Sample ID: SB60,61,62, & 63d0.5 (Composite)

Lab Sample ID: 440-228400-89

Date Collected: 12/18/18 09:00

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
4,4'-DDE	1.9	J	5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Chlordane (technical)	ND		50	9.9	ug/Kg		12/28/18 06:46	12/29/18 14:00	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB60,61,62, & 63d0.5 (Composite)

Lab Sample ID: 440-228400-89

Date Collected: 12/18/18 09:00

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	76		28 - 115				12/28/18 06:46	12/29/18 14:00	1
<i>DCB Decachlorobiphenyl (Surr)</i>	57		21 - 117				12/28/18 06:46	12/29/18 14:00	1

Client Sample ID: SB64,65,66, & 67d0.5 (Composite)

Lab Sample ID: 440-228400-90

Date Collected: 12/18/18 08:15

Matrix: Solid

Date Received: 12/20/18 15:30

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Chlordane (technical)	ND		49	9.8	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
delta-BHC	ND		9.8	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Endrin ketone	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Heptachlor	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Toxaphene	ND		200	49	ug/Kg		12/28/18 06:46	12/29/18 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	63		28 - 115				12/28/18 06:46	12/29/18 14:15	1
<i>DCB Decachlorobiphenyl (Surr)</i>	48		21 - 117				12/28/18 06:46	12/29/18 14:15	1

TestAmerica Irvine

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Method	Method Description	Protocol	Laboratory
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
Subcontract	Asbestos PLM Bulk 600/R-93/116 (no grinding)	None	EMLab
3050B	Preparation, Metals	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

None = None

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

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: Duplicate 1

Date Collected: 12/19/18 16:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 10:47	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 10:42	MQP	TAL IRV

Client Sample ID: Duplicate 2

Date Collected: 12/19/18 16:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 10:59	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 10:53	MQP	TAL IRV

Client Sample ID: Eq Blank

Date Collected: 12/19/18 16:30

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	519043	12/24/18 08:32	KE	TAL IRV
Total Recoverable	Analysis	6010B		1			519246	12/24/18 15:30	VS	TAL IRV
Total Recoverable	Prep	3005A			25 mL	25 mL	519039	12/24/18 08:25	KE	TAL IRV
Total Recoverable	Analysis	6020		1			519166	12/24/18 16:14	P1R	TAL IRV

Client Sample ID: SB01d0.5

Date Collected: 12/19/18 08:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.13 g	2 mL	519685	12/27/18 18:48	EGC	TAL IRV
Total/NA	Analysis	8082		1			519816	12/28/18 13:50	JM	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:02	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 10:55	MQP	TAL IRV

Client Sample ID: SB67d0.5

Date Collected: 12/19/18 08:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB67d0.5

Lab Sample ID: 440-228400-9

Date Collected: 12/19/18 08:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			519351	12/26/18 11:12	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:01	MQP	TAL IRV

Client Sample ID: SB63d0.5

Lab Sample ID: 440-228400-13

Date Collected: 12/19/18 08:50

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	1 mL	518758	12/21/18 12:51	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519025	12/24/18 15:44	HN	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:15	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:03	MQP	TAL IRV

Client Sample ID: SB61d0.5

Lab Sample ID: 440-228400-17

Date Collected: 12/19/18 09:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.37 g	2 mL	518752	12/21/18 12:34	EGC	TAL IRV
Total/NA	Analysis	8082		1			519051	12/24/18 21:07	JM	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:17	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:05	MQP	TAL IRV

Client Sample ID: SB60d0.5

Lab Sample ID: 440-228400-18

Date Collected: 12/19/18 09:20

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:20	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:07	MQP	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB61d1.5

Lab Sample ID: 440-228400-19

Date Collected: 12/19/18 09:25

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	520579	01/03/19 12:30	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520896	01/04/19 19:41	TQN	TAL IRV

Client Sample ID: SB64d0.5

Lab Sample ID: 440-228400-23

Date Collected: 12/19/18 09:40

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:22	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:09	MQP	TAL IRV

Client Sample ID: SB58d0.5

Lab Sample ID: 440-228400-24

Date Collected: 12/19/18 09:45

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:25	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:11	MQP	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	519116	12/24/18 12:36	EMS	TAL IRV
Total/NA	Analysis	7471A		1			519175	12/24/18 17:10	DB	TAL IRV

Client Sample ID: SB64d1.5

Lab Sample ID: 440-228400-25

Date Collected: 12/19/18 09:47

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:16	P1R	TAL IRV

Client Sample ID: SB57d0.5

Lab Sample ID: 440-228400-29

Date Collected: 12/19/18 10:10

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	1 mL	518758	12/21/18 12:51	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519025	12/24/18 18:10	HN	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:27	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB57d0.5

Lab Sample ID: 440-228400-29

Date Collected: 12/19/18 10:10

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		20			519322	12/26/18 11:13	MQP	TAL IRV

Client Sample ID: SB57d1.5

Lab Sample ID: 440-228400-30

Date Collected: 12/19/18 10:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:18	P1R	TAL IRV

Client Sample ID: SB44d0.5

Lab Sample ID: 440-228400-31

Date Collected: 12/19/18 10:20

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	518752	12/21/18 12:34	EGC	TAL IRV
Total/NA	Analysis	8082		1			519051	12/24/18 21:21	JM	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:30	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:15	MQP	TAL IRV

Client Sample ID: SB44d1.5

Lab Sample ID: 440-228400-33

Date Collected: 12/19/18 10:35

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	532153	03/04/19 12:48	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			532965	03/07/19 11:54	VS	TAL IRV

Client Sample ID: SB44d2.5

Lab Sample ID: 440-228400-34

Date Collected: 12/19/18 11:00

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	532106	03/04/19 09:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			532280	03/04/19 18:52	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB45d0.5

Lab Sample ID: 440-228400-35

Date Collected: 12/19/18 11:05

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	520839	01/05/19 00:46	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			520992	01/07/19 11:22	TQN	TAL IRV
TCLP	Leach	1311			49.96 g	1000 mL	521298	01/08/19 23:00	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	521546	01/09/19 17:25	CDH	TAL IRV
TCLP	Analysis	6010B		1			521714	01/10/19 11:46	TQN	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:32	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:22	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519116	12/24/18 12:36	EMS	TAL IRV
Total/NA	Analysis	7471A		1			519175	12/24/18 17:15	DB	TAL IRV

Client Sample ID: SB45d1.5

Lab Sample ID: 440-228400-36

Date Collected: 12/19/18 12:00

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	521274	01/08/19 16:17	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			521806	01/10/19 17:21	TQN	TAL IRV
TCLP	Leach	1311			99.93 g	2000 mL	522687	01/16/19 01:30	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	522971	01/16/19 22:17	CDH	TAL IRV
TCLP	Analysis	6010B		1			523200	01/17/19 13:21	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:21	P1R	TAL IRV

Client Sample ID: SB45d2.5

Lab Sample ID: 440-228400-37

Date Collected: 12/19/18 12:20

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	522638	01/15/19 17:42	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			523468	01/18/19 11:51	VS	TAL IRV

Client Sample ID: SB46d0.5

Lab Sample ID: 440-228400-38

Date Collected: 12/19/18 12:30

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	520839	01/05/19 00:46	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			520992	01/07/19 11:25	TQN	TAL IRV
TCLP	Leach	1311			49.99 g	1000 mL	521298	01/08/19 23:00	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	521546	01/09/19 17:25	CDH	TAL IRV
TCLP	Analysis	6010B		1			521714	01/10/19 11:35	TQN	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB46d0.5

Lab Sample ID: 440-228400-38

Date Collected: 12/19/18 12:30

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:40	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:24	MQP	TAL IRV

Client Sample ID: SB36d0.5

Lab Sample ID: 440-228400-39

Date Collected: 12/19/18 12:35

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:42	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:26	MQP	TAL IRV

Client Sample ID: SB46d1.5

Lab Sample ID: 440-228400-40

Date Collected: 12/19/18 12:40

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	521274	01/08/19 16:17	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			521815	01/10/19 18:40	P1R	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:23	P1R	TAL IRV

Client Sample ID: SB41d0.5

Lab Sample ID: 440-228400-44

Date Collected: 12/19/18 13:10

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:45	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:28	MQP	TAL IRV

Client Sample ID: SB38d0.5

Lab Sample ID: 440-228400-45

Date Collected: 12/19/18 13:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.42 g	2 mL	518752	12/21/18 12:34	EGC	TAL IRV
Total/NA	Analysis	8082		1			519051	12/24/18 21:34	JM	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB38d0.5

Lab Sample ID: 440-228400-45

Date Collected: 12/19/18 13:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			519351	12/26/18 11:47	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:30	MQP	TAL IRV

Client Sample ID: SB38d1.5

Lab Sample ID: 440-228400-46

Date Collected: 12/19/18 13:20

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	532153	03/04/19 12:49	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			532965	03/07/19 12:32	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	532106	03/04/19 09:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			532280	03/04/19 18:55	P1R	TAL IRV

Client Sample ID: SB38d2.5

Lab Sample ID: 440-228400-49

Date Collected: 12/19/18 13:55

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	532106	03/04/19 09:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			532280	03/04/19 18:57	P1R	TAL IRV

Client Sample ID: SB34d0.5

Lab Sample ID: 440-228400-50

Date Collected: 12/19/18 14:05

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.06 g	500 mL	521274	01/08/19 16:17	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			521806	01/10/19 17:37	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:50	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:32	MQP	TAL IRV

Client Sample ID: SB39d0.5

Lab Sample ID: 440-228400-51

Date Collected: 12/19/18 14:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.49 g	1 mL	518758	12/21/18 12:51	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519025	12/24/18 18:34	HN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	521274	01/08/19 16:17	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			521806	01/10/19 17:40	TQN	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB39d0.5

Lab Sample ID: 440-228400-51

Date Collected: 12/19/18 14:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			99.93 g	2000 mL	522687	01/16/19 01:30	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	522971	01/16/19 22:17	CDH	TAL IRV
TCLP	Analysis	6010B		1			523200	01/17/19 13:23	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:52	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:34	MQP	TAL IRV

Client Sample ID: SB34d1.5

Lab Sample ID: 440-228400-52

Date Collected: 12/19/18 14:25

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:25	P1R	TAL IRV

Client Sample ID: SB39d1.5

Lab Sample ID: 440-228400-54

Date Collected: 12/19/18 14:35

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	522638	01/15/19 17:42	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			523468	01/18/19 12:04	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:28	P1R	TAL IRV

Client Sample ID: SB42d0.5

Lab Sample ID: 440-228400-56

Date Collected: 12/19/18 14:55

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:55	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:36	MQP	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	519116	12/24/18 12:36	EMS	TAL IRV
Total/NA	Analysis	7471A		1			519175	12/24/18 17:17	DB	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB40d0.5

Lab Sample ID: 440-228400-57

Date Collected: 12/19/18 15:05

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519351	12/26/18 11:58	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519096	12/24/18 10:49	DEG	TAL IRV
Total/NA	Analysis	6020		20			519322	12/26/18 11:38	MQP	TAL IRV

Client Sample ID: SB66d0.5

Lab Sample ID: 440-228400-58

Date Collected: 12/18/18 08:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.26 g	2 mL	519685	12/27/18 18:48	EGC	TAL IRV
Total/NA	Analysis	8082		1	1 mL	1.0 mL	519816	12/28/18 13:10	JM	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 13:36	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 11:48	MQP	TAL IRV

Client Sample ID: SB65d0.5

Lab Sample ID: 440-228400-61

Date Collected: 12/18/18 08:45

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 13:49	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 11:59	MQP	TAL IRV

Client Sample ID: SB62d0.5

Lab Sample ID: 440-228400-64

Date Collected: 12/18/18 09:00

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 13:51	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:01	MQP	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	519116	12/24/18 12:36	EMS	TAL IRV
Total/NA	Analysis	7471A		1			519175	12/24/18 17:19	DB	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB59d0.5

Lab Sample ID: 440-228400-67

Date Collected: 12/18/18 09:35

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 13:59	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:07	MQP	TAL IRV

Client Sample ID: SB59d1.5

Lab Sample ID: 440-228400-68

Date Collected: 12/18/18 09:45

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:30	P1R	TAL IRV

Client Sample ID: SB56d0.5

Lab Sample ID: 440-228400-70

Date Collected: 12/18/18 10:30

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 14:01	VS	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:09	MQP	TAL IRV

Client Sample ID: SB43d0.5

Lab Sample ID: 440-228400-73

Date Collected: 12/18/18 11:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.30 g	2 mL	518758	12/21/18 12:51	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		2			519025	12/24/18 18:58	HN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 14:04	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:11	MQP	TAL IRV

Client Sample ID: SB35d0.5

Lab Sample ID: 440-228400-76

Date Collected: 12/18/18 11:50

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.30 g	1 mL	518758	12/21/18 12:51	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519025	12/24/18 19:23	HN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB35d0.5

Lab Sample ID: 440-228400-76

Date Collected: 12/18/18 11:50

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			519365	12/26/18 14:06	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:13	MQP	TAL IRV

Client Sample ID: SB68d0.5

Lab Sample ID: 440-228400-79

Date Collected: 12/18/18 12:30

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.34 g	2 mL	518758	12/21/18 12:51	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		2			519025	12/24/18 19:47	HN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 14:09	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:15	MQP	TAL IRV

Client Sample ID: SB68d1.5

Lab Sample ID: 440-228400-80

Date Collected: 12/18/18 12:35

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	520582	01/03/19 12:45	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 14:32	P1R	TAL IRV

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228400-82

Date Collected: 12/18/18 14:45

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 14:11	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:17	MQP	TAL IRV

Client Sample ID: Duplicate 2

Lab Sample ID: 440-228400-83

Date Collected: 12/18/18 14:50

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6010B		5			519365	12/26/18 14:14	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519097	12/24/18 10:53	DEG	TAL IRV
Total/NA	Analysis	6020		20			519342	12/26/18 12:19	MQP	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: Eq Blank

Date Collected: 12/18/18 15:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-84

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	519043	12/24/18 08:32	KE	TAL IRV
Total Recoverable	Analysis	6010B		1			519246	12/24/18 15:33	VS	TAL IRV
Total Recoverable	Prep	3005A			25 mL	25 mL	519039	12/24/18 08:25	KE	TAL IRV
Total Recoverable	Analysis	6020		1			519166	12/24/18 16:16	P1R	TAL IRV

Client Sample ID: SB35,36, & 38d0.5 (Composite)

Date Collected: 12/18/18 11:50

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-85

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 13:00	D1D	TAL IRV

Client Sample ID: SB39,40,41, & 42d0.5 (Composite)

Date Collected: 12/19/18 13:10

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-86

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.54 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 13:15	D1D	TAL IRV

Client Sample ID: SB43,44,45, & 46d0.5 (Composite)

Date Collected: 12/18/18 11:15

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-87

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.12 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 13:30	D1D	TAL IRV

Client Sample ID: SB56,57,58, & 59d0.5 (Composite)

Date Collected: 12/18/18 09:35

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-88

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 13:45	D1D	TAL IRV

Client Sample ID: SB60,61,62, & 63d0.5 (Composite)

Date Collected: 12/18/18 09:00

Date Received: 12/20/18 15:30

Lab Sample ID: 440-228400-89

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Client Sample ID: SB60,61,62, & 63d0.5 (Composite)

Lab Sample ID: 440-228400-89

Date Collected: 12/18/18 09:00

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081A		1			519988	12/29/18 14:00	D1D	TAL IRV

Client Sample ID: SB64,65,66, & 67d0.5 (Composite)

Lab Sample ID: 440-228400-90

Date Collected: 12/18/18 08:15

Matrix: Solid

Date Received: 12/20/18 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.29 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 14:15	D1D	TAL IRV

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: MB 440-518758/1-A

Matrix: Solid

Analysis Batch: 519025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 518758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Chrysene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Fluoranthene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Fluorene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Naphthalene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Phenanthrene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1
Pyrene	ND		30	4.0	ug/Kg		12/21/18 12:51	12/24/18 13:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	105		29 - 120	12/21/18 12:51	12/24/18 13:17	1
Nitrobenzene-d5	92		11 - 118	12/21/18 12:51	12/24/18 13:17	1
Terphenyl-d14	101		10 - 120	12/21/18 12:51	12/24/18 13:17	1

Lab Sample ID: LCS 440-518758/2-A

Matrix: Solid

Analysis Batch: 519025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 518758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	66.7	64.0		ug/Kg		96	48 - 120
Acenaphthylene	66.7	66.5		ug/Kg		100	47 - 120
Anthracene	66.7	65.4		ug/Kg		98	46 - 120
Benzo[a]anthracene	66.7	66.1		ug/Kg		99	48 - 120
Benzo[a]pyrene	66.7	63.8		ug/Kg		96	48 - 120
Benzo[b]fluoranthene	66.7	65.1		ug/Kg		98	49 - 120
Benzo[g,h,i]perylene	66.7	71.1		ug/Kg		107	38 - 127
Benzo[k]fluoranthene	66.7	65.6		ug/Kg		98	48 - 120
Chrysene	66.7	68.5		ug/Kg		103	48 - 120
Dibenz(a,h)anthracene	66.7	68.4		ug/Kg		103	39 - 120
Fluoranthene	66.7	69.5		ug/Kg		104	46 - 120
Fluorene	66.7	74.5		ug/Kg		112	47 - 120
Indeno[1,2,3-cd]pyrene	66.7	67.4		ug/Kg		101	42 - 120
Naphthalene	66.7	61.6		ug/Kg		92	46 - 120
Phenanthrene	66.7	65.2		ug/Kg		98	47 - 120
Pyrene	66.7	71.2		ug/Kg		107	46 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	112		29 - 120
Nitrobenzene-d5	100		11 - 118

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: LCS 440-518758/2-A
Matrix: Solid
Analysis Batch: 519025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518758

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	112		10 - 120

Lab Sample ID: 440-228400-13 MS
Matrix: Solid
Analysis Batch: 519025

Client Sample ID: SB63d0.5
Prep Type: Total/NA
Prep Batch: 518758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Acenaphthene	ND		65.1	56.4		ug/Kg		87	10 - 150
Acenaphthylene	ND		65.1	60.5		ug/Kg		93	23 - 114
Anthracene	ND		65.1	56.4		ug/Kg		87	10 - 150
Benzo[a]anthracene	ND		65.1	60.0		ug/Kg		92	10 - 150
Benzo[a]pyrene	5.0	J	65.1	55.9		ug/Kg		78	10 - 150
Benzo[b]fluoranthene	7.4	J	65.1	63.3		ug/Kg		86	10 - 150
Benzo[g,h,i]perylene	7.9	J	65.1	43.9		ug/Kg		55	10 - 143
Benzo[k]fluoranthene	ND		65.1	54.1		ug/Kg		83	10 - 150
Chrysene	ND		65.1	59.0		ug/Kg		91	10 - 150
Dibenz(a,h)anthracene	ND		65.1	43.6		ug/Kg		67	10 - 127
Fluoranthene	ND		65.1	60.9		ug/Kg		94	10 - 150
Fluorene	ND		65.1	64.5		ug/Kg		99	10 - 150
Indeno[1,2,3-cd]pyrene	6.5	J	65.1	47.4		ug/Kg		63	10 - 138
Naphthalene	ND		65.1	54.5		ug/Kg		84	10 - 150
Phenanthrene	ND		65.1	57.0		ug/Kg		88	10 - 150
Pyrene	4.7	J	65.1	62.5		ug/Kg		89	10 - 150

Surrogate	MS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	99		29 - 120
Nitrobenzene-d5	80		11 - 118
Terphenyl-d14	100		10 - 120

Lab Sample ID: 440-228400-13 MSD
Matrix: Solid
Analysis Batch: 519025

Client Sample ID: SB63d0.5
Prep Type: Total/NA
Prep Batch: 518758

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	
				Result	Qualifier					RPD	Limit
Acenaphthene	ND		65.3	55.6		ug/Kg		85	10 - 150	2	39
Acenaphthylene	ND		65.3	59.5		ug/Kg		91	23 - 114	2	38
Anthracene	ND		65.3	53.7		ug/Kg		82	10 - 150	5	40
Benzo[a]anthracene	ND		65.3	56.9		ug/Kg		87	10 - 150	5	40
Benzo[a]pyrene	5.0	J	65.3	55.5		ug/Kg		77	10 - 150	1	40
Benzo[b]fluoranthene	7.4	J	65.3	65.6		ug/Kg		89	10 - 150	4	40
Benzo[g,h,i]perylene	7.9	J	65.3	47.5		ug/Kg		61	10 - 143	8	40
Benzo[k]fluoranthene	ND		65.3	55.1		ug/Kg		84	10 - 150	2	40
Chrysene	ND		65.3	57.0		ug/Kg		87	10 - 150	3	40
Dibenz(a,h)anthracene	ND		65.3	41.9		ug/Kg		64	10 - 127	4	40
Fluoranthene	ND		65.3	59.8		ug/Kg		92	10 - 150	2	40
Fluorene	ND		65.3	63.6		ug/Kg		97	10 - 150	1	40
Indeno[1,2,3-cd]pyrene	6.5	J	65.3	59.5		ug/Kg		81	10 - 138	23	40
Naphthalene	ND		65.3	52.1		ug/Kg		80	10 - 150	5	40

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: 440-228400-13 MSD
Matrix: Solid
Analysis Batch: 519025

Client Sample ID: SB63d0.5
Prep Type: Total/NA
Prep Batch: 518758

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Phenanthrene	ND		65.3	55.4		ug/Kg		85	10 - 150	3	40
Pyrene	4.7	J	65.3	62.0		ug/Kg		88	10 - 150	1	40
Surrogate	%Recovery	MSD Qualifier	Limits								
2-Fluorobiphenyl (Surr)	98		29 - 120								
Nitrobenzene-d5	76		11 - 118								
Terphenyl-d14	92		10 - 120								

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-519755/1-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519755

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		28 - 115				12/28/18 06:46	12/29/18 11:45	1
DCB Decachlorobiphenyl (Surr)	106		21 - 117				12/28/18 06:46	12/29/18 11:45	1

Lab Sample ID: LCS 440-519755/2-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
							Limits	
4,4'-DDD	13.3	12.6		ug/Kg		94	59 - 118	
4,4'-DDE	13.3	11.7		ug/Kg		88	55 - 115	

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-519755/2-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDT	13.3	13.7		ug/Kg		103	60 - 131
Aldrin	13.3	11.6		ug/Kg		87	53 - 115
alpha-BHC	13.3	11.2		ug/Kg		84	57 - 115
beta-BHC	13.3	12.0		ug/Kg		90	58 - 115
delta-BHC	13.3	11.3		ug/Kg		85	52 - 115
Dieldrin	13.3	12.1		ug/Kg		91	57 - 115
Endosulfan I	13.3	12.3		ug/Kg		92	56 - 115
Endosulfan II	13.3	12.5		ug/Kg		93	60 - 117
Endosulfan sulfate	13.3	12.3		ug/Kg		92	60 - 115
Endrin	13.3	13.4		ug/Kg		101	61 - 120
Endrin aldehyde	13.3	11.4		ug/Kg		85	54 - 115
Endrin ketone	13.3	12.2		ug/Kg		92	54 - 119
gamma-BHC (Lindane)	13.3	10.1		ug/Kg		76	56 - 115
Heptachlor	13.3	12.3		ug/Kg		92	52 - 115
Heptachlor epoxide	13.3	12.0		ug/Kg		90	59 - 115
Methoxychlor	13.3	14.0		ug/Kg		105	60 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	83		28 - 115
DCB Decachlorobiphenyl (Surr)	106		21 - 117

Lab Sample ID: 440-228795-A-41-A MS
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		13.3	10.7		ug/Kg		80	10 - 150
4,4'-DDE	12		13.3	20.1		ug/Kg		64	10 - 150
4,4'-DDT	14		13.3	19.3		ug/Kg		41	13 - 141
Aldrin	ND		13.3	12.1		ug/Kg		91	10 - 150
alpha-BHC	ND		13.3	11.2		ug/Kg		84	12 - 125
beta-BHC	ND		13.3	11.2		ug/Kg		84	10 - 150
delta-BHC	ND		13.3	10.7		ug/Kg		80	12 - 130
Dieldrin	2.5	J p	13.3	14.1		ug/Kg		87	10 - 150
Endosulfan I	ND		13.3	13.5		ug/Kg		102	10 - 150
Endosulfan II	ND		13.3	11.4		ug/Kg		86	10 - 150
Endosulfan sulfate	ND		13.3	10.2		ug/Kg		77	10 - 150
Endrin	ND		13.3	13.2		ug/Kg		99	10 - 150
Endrin aldehyde	ND		13.3	10.9		ug/Kg		82	10 - 131
Endrin ketone	ND		13.3	9.63		ug/Kg		72	10 - 134
gamma-BHC (Lindane)	ND		13.3	10.1		ug/Kg		76	20 - 119
Heptachlor	ND		13.3	13.3		ug/Kg		100	10 - 150
Heptachlor epoxide	3.4	J p	13.3	18.8		ug/Kg		116	10 - 150
Methoxychlor	ND		13.3	12.5		ug/Kg		94	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	84		28 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-228795-A-41-A MS
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519755

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	87		21 - 117

Lab Sample ID: 440-228795-A-41-B MSD
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		13.3	9.72		ug/Kg		73	10 - 150	9	26
4,4'-DDE	12		13.3	19.4		ug/Kg		58	10 - 150	4	40
4,4'-DDT	14		13.3	18.1		ug/Kg		31	13 - 141	6	26
Aldrin	ND		13.3	11.1		ug/Kg		83	10 - 150	9	26
alpha-BHC	ND		13.3	10.5		ug/Kg		79	12 - 125	6	18
beta-BHC	ND		13.3	10.5		ug/Kg		79	10 - 150	6	33
delta-BHC	ND		13.3	9.77	J	ug/Kg		73	12 - 130	9	35
Dieldrin	2.5	J p	13.3	13.4		ug/Kg		82	10 - 150	5	28
Endosulfan I	ND		13.3	12.6		ug/Kg		94	10 - 150	8	32
Endosulfan II	ND		13.3	10.5		ug/Kg		78	10 - 150	9	25
Endosulfan sulfate	ND		13.3	9.26	J	ug/Kg		69	10 - 150	10	35
Endrin	ND		13.3	12.5		ug/Kg		94	10 - 150	6	27
Endrin aldehyde	ND		13.3	9.98		ug/Kg		75	10 - 131	9	33
Endrin ketone	ND		13.3	8.45		ug/Kg		63	10 - 134	13	40
gamma-BHC (Lindane)	ND		13.3	9.49		ug/Kg		71	20 - 119	6	24
Heptachlor	ND		13.3	12.5		ug/Kg		94	10 - 150	7	28
Heptachlor epoxide	3.4	J p	13.3	18.9		ug/Kg		117	10 - 150	1	25
Methoxychlor	ND		13.3	11.1		ug/Kg		83	10 - 150	12	34

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	81		28 - 115
DCB Decachlorobiphenyl (Surr)	78		21 - 117

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

Lab Sample ID: MB 440-518752/1-A
Matrix: Solid
Analysis Batch: 519051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1
Aroclor 1221	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1
Aroclor 1232	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1
Aroclor 1242	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1
Aroclor 1248	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1
Aroclor 1254	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1
Aroclor 1260	ND		50	17	ug/Kg		12/21/18 12:34	12/24/18 13:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		45 - 120	12/21/18 12:34	12/24/18 13:08	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Lab Sample ID: LCS 440-518752/2-A
Matrix: Solid
Analysis Batch: 519051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518752
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	267	199		ug/Kg		75	65 - 115
Aroclor 1260	267	235		ug/Kg		88	65 - 115
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	87		45 - 120				

Lab Sample ID: 440-228191-A-1-D MS
Matrix: Solid
Analysis Batch: 519051

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 518752
%Rec. Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	ND		266	163		ug/Kg		61	50 - 120
Aroclor 1260	ND		266	169		ug/Kg		63	50 - 125
		MS	MS						
Surrogate	%Recovery	Qualifier	Limits						
DCB Decachlorobiphenyl (Surr)	61		45 - 120						

Lab Sample ID: 440-228191-A-1-E MSD
Matrix: Solid
Analysis Batch: 519051

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 518752
%Rec. RPD Limit

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aroclor 1016	ND		266	158		ug/Kg		60	50 - 120	3	30
Aroclor 1260	ND		266	165		ug/Kg		62	50 - 125	2	30
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	58		45 - 120								

Lab Sample ID: MB 440-519685/1-A
Matrix: Solid
Analysis Batch: 519816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519685
Dil Fac

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Aroclor 1016	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
Aroclor 1221	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
Aroclor 1232	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
Aroclor 1242	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
Aroclor 1248	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
Aroclor 1254	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
Aroclor 1260	ND		50	17	ug/Kg		12/27/18 18:48	12/28/18 10:57	1	
		MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
DCB Decachlorobiphenyl (Surr)	113		45 - 120	12/27/18 18:48	12/28/18 10:57	1				

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: LCS 440-519685/2-A
Matrix: Solid
Analysis Batch: 519816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	267	245		ug/Kg		92	65 - 115
Aroclor 1260	267	292		ug/Kg		109	65 - 115
		LCS LCS					
Surrogate	%Recovery	Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	115		45 - 120				

Lab Sample ID: 720-90388-E-6-M MS
Matrix: Solid
Analysis Batch: 519816

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519685

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	ND		263	159		ug/Kg		60	50 - 120
Aroclor 1260	ND		263	162		ug/Kg		62	50 - 125
		MS MS							
Surrogate	%Recovery	Qualifier	Limits						
DCB Decachlorobiphenyl (Surr)	63		45 - 120						

Lab Sample ID: 720-90388-E-6-N MSD
Matrix: Solid
Analysis Batch: 519816

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519685

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aroclor 1016	ND		266	147		ug/Kg		55	50 - 120	7	30
Aroclor 1260	ND		266	152		ug/Kg		57	50 - 125	7	30
		MSD MSD									
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	65		45 - 120								

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-519096/1-A ^5
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Arsenic	ND		3.0	1.5	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Barium	ND		1.5	0.75	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Beryllium	ND		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Cadmium	ND		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Chromium	ND		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Cobalt	ND		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Copper	ND		2.0	1.1	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Lead	ND		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Nickel	ND		2.0	1.0	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Selenium	ND		3.0	1.7	mg/Kg		12/24/18 10:49	12/26/18 10:42	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: MB 440-519096/1-A ^5
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5	0.89	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Thallium	ND		10	5.0	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Vanadium	ND		1.0	0.50	mg/Kg		12/24/18 10:49	12/26/18 10:42	5
Zinc	ND		5.0	2.5	mg/Kg		12/24/18 10:49	12/26/18 10:42	5

Lab Sample ID: LCS 440-519096/2-A ^5
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.6		mg/Kg		97	80 - 120
Arsenic	50.0	46.0		mg/Kg		92	80 - 120
Barium	50.0	47.2		mg/Kg		94	80 - 120
Beryllium	50.0	46.5		mg/Kg		93	80 - 120
Cadmium	50.0	47.0		mg/Kg		94	80 - 120
Chromium	50.0	47.5		mg/Kg		95	80 - 120
Cobalt	50.0	47.5		mg/Kg		95	80 - 120
Copper	50.0	47.9		mg/Kg		96	80 - 120
Lead	50.0	47.8		mg/Kg		96	80 - 120
Molybdenum	50.0	47.7		mg/Kg		95	80 - 120
Nickel	50.0	47.5		mg/Kg		95	80 - 120
Selenium	50.0	43.0		mg/Kg		86	80 - 120
Silver	25.0	23.2		mg/Kg		93	80 - 120
Thallium	50.0	47.1		mg/Kg		94	80 - 120
Vanadium	50.0	47.2		mg/Kg		94	80 - 120
Zinc	50.0	46.6		mg/Kg		93	80 - 120

Lab Sample ID: 440-228400-5 MS
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Duplicate 1
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	31		49.8	75.8		mg/Kg		89	75 - 125

Lab Sample ID: 440-228400-5 MSD
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Duplicate 1
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	31		50.0	70.9		mg/Kg		79	75 - 125	7	20

Lab Sample ID: 440-228400-A-5-B MS ^5
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.8	28.1	F1	mg/Kg		56	75 - 125
Arsenic	2.0	J	49.8	46.5		mg/Kg		89	75 - 125
Barium	87	F1	49.8	133		mg/Kg		92	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: 440-228400-A-5-B MS ^5
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Beryllium	ND		49.8	47.0		mg/Kg		94		75 - 125
Cadmium	ND		49.8	45.3		mg/Kg		91		75 - 125
Chromium	14		49.8	63.0		mg/Kg		99		75 - 125
Cobalt	5.6		49.8	50.9		mg/Kg		91		75 - 125
Copper	15		49.8	62.5		mg/Kg		95		75 - 125
Lead	31		49.8	75.8		mg/Kg		89		75 - 125
Molybdenum	ND		49.8	45.9		mg/Kg		92		75 - 125
Nickel	7.3		49.8	52.9		mg/Kg		92		75 - 125
Selenium	ND		49.8	42.6		mg/Kg		86		75 - 125
Silver	ND		24.9	23.6		mg/Kg		95		75 - 125
Thallium	ND		49.8	45.1		mg/Kg		91		75 - 125
Vanadium	31		49.8	83.6		mg/Kg		105		75 - 125
Zinc	54		49.8	98.8		mg/Kg		90		75 - 125

Lab Sample ID: 440-228400-A-5-C MSD ^5
Matrix: Solid
Analysis Batch: 519351

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Antimony	ND	F1	50.0	29.5	F1	mg/Kg		59		75 - 125	5	20
Arsenic	2.0	J	50.0	47.2		mg/Kg		90		75 - 125	2	20
Barium	87	F1	50.0	157	F1	mg/Kg		139		75 - 125	16	20
Beryllium	ND		50.0	47.1		mg/Kg		94		75 - 125	0	20
Cadmium	ND		50.0	45.5		mg/Kg		91		75 - 125	0	20
Chromium	14		50.0	67.0		mg/Kg		106		75 - 125	6	20
Cobalt	5.6		50.0	53.3		mg/Kg		95		75 - 125	5	20
Copper	15		50.0	67.2		mg/Kg		103		75 - 125	7	20
Lead	31		50.0	70.9		mg/Kg		79		75 - 125	7	20
Molybdenum	ND		50.0	46.3		mg/Kg		93		75 - 125	1	20
Nickel	7.3		50.0	55.6		mg/Kg		97		75 - 125	5	20
Selenium	ND		50.0	43.4		mg/Kg		87		75 - 125	2	20
Silver	ND		25.0	23.8		mg/Kg		95		75 - 125	1	20
Thallium	ND		50.0	44.9		mg/Kg		90		75 - 125	0	20
Vanadium	31		50.0	90.4		mg/Kg		118		75 - 125	8	20
Zinc	54		50.0	102		mg/Kg		97		75 - 125	4	20

Lab Sample ID: MB 440-519097/1-A ^5
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519097

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		10	5.0	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Arsenic	ND		3.0	1.5	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Barium	ND		1.5	0.75	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Beryllium	ND		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Cadmium	ND		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Chromium	ND		1.0	0.50	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Cobalt	ND		1.0	0.50	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Copper	ND		2.0	1.1	mg/Kg		12/24/18 10:53	12/26/18 13:31	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: MB 440-519097/1-A ^5
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Nickel	ND		2.0	1.0	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Selenium	ND		3.0	1.7	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Silver	ND		1.5	0.89	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Thallium	ND		10	5.0	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Vanadium	ND		1.0	0.50	mg/Kg		12/24/18 10:53	12/26/18 13:31	5
Zinc	ND		5.0	2.5	mg/Kg		12/24/18 10:53	12/26/18 13:31	5

Lab Sample ID: LCS 440-519097/2-A ^5
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	49.3		mg/Kg		99	80 - 120
Arsenic	50.0	46.4		mg/Kg		93	80 - 120
Barium	50.0	48.2		mg/Kg		96	80 - 120
Beryllium	50.0	47.1		mg/Kg		94	80 - 120
Cadmium	50.0	47.8		mg/Kg		96	80 - 120
Chromium	50.0	48.3		mg/Kg		97	80 - 120
Cobalt	50.0	48.3		mg/Kg		97	80 - 120
Copper	50.0	48.5		mg/Kg		97	80 - 120
Lead	50.0	47.9		mg/Kg		96	80 - 120
Molybdenum	50.0	48.1		mg/Kg		96	80 - 120
Nickel	50.0	48.7		mg/Kg		97	80 - 120
Selenium	50.0	43.6		mg/Kg		87	80 - 120
Silver	25.0	24.2		mg/Kg		97	80 - 120
Thallium	50.0	47.4		mg/Kg		95	80 - 120
Vanadium	50.0	47.9		mg/Kg		96	80 - 120
Zinc	50.0	47.1		mg/Kg		94	80 - 120

Lab Sample ID: 440-228400-58 MS
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: SB66d0.5
Prep Type: Total/NA
Prep Batch: 519097

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	33		50.0	87.8		mg/Kg		110	75 - 125

Lab Sample ID: 440-228400-58 MSD
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: SB66d0.5
Prep Type: Total/NA
Prep Batch: 519097

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	33		50.0	73.0		mg/Kg		80	75 - 125	19	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: 440-228400-A-58-D MS ^5
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519097
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	50.0	23.5	F1	mg/Kg		47	75 - 125
Arsenic	5.0		50.0	50.9		mg/Kg		92	75 - 125
Barium	120		50.0	177		mg/Kg		114	75 - 125
Beryllium	0.40	J	50.0	47.5		mg/Kg		94	75 - 125
Cadmium	0.34	J	50.0	46.2		mg/Kg		92	75 - 125
Chromium	16		50.0	66.3		mg/Kg		100	75 - 125
Cobalt	7.3		50.0	54.0		mg/Kg		93	75 - 125
Copper	24		50.0	77.2		mg/Kg		106	75 - 125
Lead	33		50.0	87.8		mg/Kg		110	75 - 125
Molybdenum	ND		50.0	46.9		mg/Kg		94	75 - 125
Nickel	11		50.0	57.8		mg/Kg		94	75 - 125
Selenium	ND		50.0	43.6		mg/Kg		87	75 - 125
Silver	ND		25.0	24.0		mg/Kg		96	75 - 125
Thallium	ND		50.0	45.7		mg/Kg		91	75 - 125
Vanadium	37		50.0	91.0		mg/Kg		108	75 - 125
Zinc	110	F1	50.0	184	F1	mg/Kg		150	75 - 125

Lab Sample ID: 440-228400-A-58-E MSD ^5
Matrix: Solid
Analysis Batch: 519365

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519097
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	50.0	23.5	F1	mg/Kg		47	75 - 125	0	20
Arsenic	5.0		50.0	48.9		mg/Kg		88	75 - 125	4	20
Barium	120		50.0	161		mg/Kg		82	75 - 125	10	20
Beryllium	0.40	J	50.0	45.7		mg/Kg		91	75 - 125	4	20
Cadmium	0.34	J	50.0	44.4		mg/Kg		88	75 - 125	4	20
Chromium	16		50.0	63.3		mg/Kg		94	75 - 125	5	20
Cobalt	7.3		50.0	51.9		mg/Kg		89	75 - 125	4	20
Copper	24		50.0	71.8		mg/Kg		96	75 - 125	7	20
Lead	33		50.0	73.0		mg/Kg		80	75 - 125	19	20
Molybdenum	ND		50.0	44.9		mg/Kg		90	75 - 125	4	20
Nickel	11		50.0	54.6		mg/Kg		88	75 - 125	6	20
Selenium	ND		50.0	42.2		mg/Kg		84	75 - 125	3	20
Silver	ND		25.0	22.9		mg/Kg		92	75 - 125	4	20
Thallium	ND		50.0	43.9		mg/Kg		88	75 - 125	4	20
Vanadium	37		50.0	87.7		mg/Kg		101	75 - 125	4	20
Zinc	110	F1	50.0	153		mg/Kg		87	75 - 125	19	20

Lab Sample ID: MB 440-520579/1-A ^5
Matrix: Solid
Analysis Batch: 520896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		01/03/19 12:30	01/04/19 18:15	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: LCS 440-520579/2-A ^5
Matrix: Solid
Analysis Batch: 520896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	47.8		mg/Kg		96	80 - 120

Lab Sample ID: 440-228878-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 520896

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 520579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	27	F1	50.0	66.8		mg/Kg		80	75 - 125

Lab Sample ID: 440-228878-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 520896

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 520579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	27	F1	49.5	62.7	F1	mg/Kg		73	75 - 125	6	20

Lab Sample ID: MB 440-520582/1-A ^5
Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		01/03/19 12:45	01/06/19 13:46	5

Lab Sample ID: LCS 440-520582/2-A ^5
Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	49.0		mg/Kg		98	80 - 120

Lab Sample ID: 440-228835-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 520582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	90	F1	49.8	169	F1	mg/Kg		159	75 - 125

Lab Sample ID: 440-228835-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 520582

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	90	F1	49.3	194	F1	mg/Kg		212	75 - 125	14	20

Lab Sample ID: MB 440-532106/1-A ^5
Matrix: Solid
Analysis Batch: 532280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 532106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		03/04/19 09:55	03/04/19 18:11	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Lab Sample ID: LCS 440-532106/2-A ^5
Matrix: Solid
Analysis Batch: 532280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 532106
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	45.5		mg/Kg		91	80 - 120

Lab Sample ID: 440-235074-E-1-B MS ^5
Matrix: Solid
Analysis Batch: 532280

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 532106
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	17	F1	49.8	54.7		mg/Kg		76	75 - 125

Lab Sample ID: 440-235074-E-1-C MSD ^5
Matrix: Solid
Analysis Batch: 532280

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 532106
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Lead	17	F1	49.3	51.5	F1	mg/Kg		70	75 - 125	6	20

Lab Sample ID: MB 440-519043/1-A
Matrix: Water
Analysis Batch: 519246

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 519043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/24/18 08:32	12/24/18 15:25	1

Lab Sample ID: LCS 440-519043/2-A
Matrix: Water
Analysis Batch: 519246

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 519043
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: 440-228302-F-1-B MS ^100
Matrix: Water
Analysis Batch: 519246

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 519043
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		1.00	0.890		mg/L		89	75 - 125

Lab Sample ID: 440-228302-F-1-C MSD ^100
Matrix: Water
Analysis Batch: 519246

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 519043
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Lead	ND		1.00	0.790		mg/L		79	75 - 125	12	20

Lab Sample ID: MB 440-521298/1-B
Matrix: Solid
Analysis Batch: 521714

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 521546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.040	mg/L		01/09/19 17:25	01/10/19 11:30	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: LCS 440-521298/2-B
Matrix: Solid
Analysis Batch: 521714

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 521546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2.00	2.03		mg/L		101	80 - 120

Lab Sample ID: 440-228400-38 MS
Matrix: Solid
Analysis Batch: 521714

Client Sample ID: SB46d0.5
Prep Type: TCLP
Prep Batch: 521546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.054	J	2.00	2.05		mg/L		100	75 - 125

Lab Sample ID: 440-228400-38 MSD
Matrix: Solid
Analysis Batch: 521714

Client Sample ID: SB46d0.5
Prep Type: TCLP
Prep Batch: 521546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	0.054	J	2.00	2.04		mg/L		99	75 - 125	0	20

Lab Sample ID: MB 440-522687/1-B
Matrix: Solid
Analysis Batch: 523200

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 522971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.040	mg/L		01/16/19 22:17	01/17/19 12:57	1

Lab Sample ID: LCS 440-522687/2-B
Matrix: Solid
Analysis Batch: 523200

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 522971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2.00	1.93		mg/L		96	80 - 120

Lab Sample ID: 440-229353-A-1-F MS
Matrix: Solid
Analysis Batch: 523200

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 522971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		2.00	1.94		mg/L		97	75 - 125

Lab Sample ID: 440-229353-A-1-G MSD
Matrix: Solid
Analysis Batch: 523200

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 522971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	ND		2.00	1.94		mg/L		97	75 - 125	0	20

Lab Sample ID: MB 440-520839/1-A ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/07/19 10:48	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Lab Sample ID: LCS 440-520839/2-A ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	21.4		mg/L		107	80 - 120

Lab Sample ID: 440-228924-A-4-A MS ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.48		20.0	21.6		mg/L		106	75 - 125

Lab Sample ID: 440-228924-A-4-A MSD ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.48		20.0	21.6		mg/L		106	75 - 125	0	20

Lab Sample ID: MB 440-521274/1-A ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/10/19 17:16	20

Lab Sample ID: LCS 440-521274/2-A ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	21.1		mg/L		106	80 - 120

Lab Sample ID: 440-228400-36 MS
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: SB45d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	22		20.0	41.8		mg/L		98	75 - 125

Lab Sample ID: 440-228400-36 MSD
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: SB45d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	22		20.0	42.3		mg/L		101	75 - 125	1	20

Lab Sample ID: MB 440-522638/1-A ^20
Matrix: Solid
Analysis Batch: 523468

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/18/19 11:46	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

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

Lab Sample ID: LCS 440-522638/2-A ^20
Matrix: Solid
Analysis Batch: 523468

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	19.7		mg/L		99	80 - 120

Lab Sample ID: 440-228400-37 MS
Matrix: Solid
Analysis Batch: 523468

Client Sample ID: SB45d2.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2.7		20.0	22.0		mg/L		96	75 - 125

Lab Sample ID: 440-228400-37 MSD
Matrix: Solid
Analysis Batch: 523468

Client Sample ID: SB45d2.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	2.7		20.0	21.8		mg/L		95	75 - 125	1	20

Lab Sample ID: MB 440-532153/1-A ^20
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			03/07/19 11:49	20

Lab Sample ID: LCS 440-532153/2-A ^20
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	19.8		mg/L		99	80 - 120

Lab Sample ID: 440-228400-33 MS
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: SB44d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25		20.0	42.6		mg/L		89	75 - 125

Lab Sample ID: 440-228400-33 MSD
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: SB44d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	25		20.0	43.2		mg/L		92	75 - 125	1	20

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-519096/1-A ^20
Matrix: Solid
Analysis Batch: 519322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/Kg		12/24/18 10:49	12/26/18 10:38	20

Lab Sample ID: LCS 440-519096/2-A ^20
Matrix: Solid
Analysis Batch: 519322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	50.0	46.8		mg/Kg		94	80 - 120

Lab Sample ID: 440-228400-5 MS
Matrix: Solid
Analysis Batch: 519322

Client Sample ID: Duplicate 1
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	1.4		49.8	47.3		mg/Kg		92	80 - 120

Lab Sample ID: 440-228400-5 MSD
Matrix: Solid
Analysis Batch: 519322

Client Sample ID: Duplicate 1
Prep Type: Total/NA
Prep Batch: 519096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	1.4		50.0	48.7		mg/Kg		95	80 - 120	3	20

Lab Sample ID: MB 440-519097/1-A ^20
Matrix: Solid
Analysis Batch: 519342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/Kg		12/24/18 10:53	12/26/18 11:44	20

Lab Sample ID: LCS 440-519097/2-A ^20
Matrix: Solid
Analysis Batch: 519342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	50.0	47.5		mg/Kg		95	80 - 120

Lab Sample ID: 440-228400-58 MS
Matrix: Solid
Analysis Batch: 519342

Client Sample ID: SB66d0.5
Prep Type: Total/NA
Prep Batch: 519097

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	4.3		50.0	49.5		mg/Kg		90	80 - 120

Lab Sample ID: 440-228400-58 MSD
Matrix: Solid
Analysis Batch: 519342

Client Sample ID: SB66d0.5
Prep Type: Total/NA
Prep Batch: 519097

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	4.3		50.0	48.6		mg/Kg		88	80 - 120	2	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Lab Sample ID: MB 440-519039/1-A
Matrix: Water
Analysis Batch: 519166

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 519039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/24/18 08:25	12/24/18 14:49	1

Lab Sample ID: LCS 440-519039/2-A
Matrix: Water
Analysis Batch: 519166

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 519039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	80.0	79.1		ug/L		99	80 - 120

Lab Sample ID: 440-228195-D-1-B MS
Matrix: Water
Analysis Batch: 519166

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 519039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	ND		80.0	79.1		ug/L		99	75 - 125

Lab Sample ID: 440-228195-D-1-C MSD
Matrix: Water
Analysis Batch: 519166

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 519039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	ND		80.0	76.4		ug/L		96	75 - 125	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-519116/1-A
Matrix: Solid
Analysis Batch: 519175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		12/24/18 12:36	12/24/18 17:06	1

Lab Sample ID: LCS 440-519116/2-A
Matrix: Solid
Analysis Batch: 519175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.816	0.849		mg/Kg		104	80 - 120

Lab Sample ID: 440-228400-24 MS
Matrix: Solid
Analysis Batch: 519175

Client Sample ID: SB58d0.5
Prep Type: Total/NA
Prep Batch: 519116

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.13		0.800	0.886		mg/Kg		95	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-228400-24 MSD
Matrix: Solid
Analysis Batch: 519175

Client Sample ID: SB58d0.5
Prep Type: Total/NA
Prep Batch: 519116

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.13		0.784	0.837		mg/Kg		90	75 - 125	6	20

- 1
- 2
- 3
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- 11
- 12
- 13
- 14

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

GC/MS Semi VOA

Prep Batch: 518758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-13	SB63d0.5	Total/NA	Solid	3546	
440-228400-29	SB57d0.5	Total/NA	Solid	3546	
440-228400-51	SB39d0.5	Total/NA	Solid	3546	
440-228400-73	SB43d0.5	Total/NA	Solid	3546	
440-228400-76	SB35d0.5	Total/NA	Solid	3546	
440-228400-79	SB68d0.5	Total/NA	Solid	3546	
MB 440-518758/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-518758/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228400-13 MS	SB63d0.5	Total/NA	Solid	3546	
440-228400-13 MSD	SB63d0.5	Total/NA	Solid	3546	

Analysis Batch: 519025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-13	SB63d0.5	Total/NA	Solid	8270C SIM	518758
440-228400-29	SB57d0.5	Total/NA	Solid	8270C SIM	518758
440-228400-51	SB39d0.5	Total/NA	Solid	8270C SIM	518758
440-228400-73	SB43d0.5	Total/NA	Solid	8270C SIM	518758
440-228400-76	SB35d0.5	Total/NA	Solid	8270C SIM	518758
440-228400-79	SB68d0.5	Total/NA	Solid	8270C SIM	518758
MB 440-518758/1-A	Method Blank	Total/NA	Solid	8270C SIM	518758
LCS 440-518758/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	518758
440-228400-13 MS	SB63d0.5	Total/NA	Solid	8270C SIM	518758
440-228400-13 MSD	SB63d0.5	Total/NA	Solid	8270C SIM	518758

GC Semi VOA

Prep Batch: 518752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-17	SB61d0.5	Total/NA	Solid	3546	
440-228400-31	SB44d0.5	Total/NA	Solid	3546	
440-228400-45	SB38d0.5	Total/NA	Solid	3546	
MB 440-518752/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-518752/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228191-A-1-D MS	Matrix Spike	Total/NA	Solid	3546	
440-228191-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-17	SB61d0.5	Total/NA	Solid	8082	518752
440-228400-31	SB44d0.5	Total/NA	Solid	8082	518752
440-228400-45	SB38d0.5	Total/NA	Solid	8082	518752
MB 440-518752/1-A	Method Blank	Total/NA	Solid	8082	518752
LCS 440-518752/2-A	Lab Control Sample	Total/NA	Solid	8082	518752
440-228191-A-1-D MS	Matrix Spike	Total/NA	Solid	8082	518752
440-228191-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	518752

Prep Batch: 519685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-8	SB01d0.5	Total/NA	Solid	3546	
440-228400-58	SB66d0.5	Total/NA	Solid	3546	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

GC Semi VOA (Continued)

Prep Batch: 519685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-519685/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519685/2-A	Lab Control Sample	Total/NA	Solid	3546	
720-90388-E-6-M MS	Matrix Spike	Total/NA	Solid	3546	
720-90388-E-6-N MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 519755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-85	SB35,36, & 38d0.5 (Composite)	Total/NA	Solid	3546	
440-228400-86	SB39,40,41, & 42d0.5 (Composite)	Total/NA	Solid	3546	
440-228400-87	SB43,44,45, & 46d0.5 (Composite)	Total/NA	Solid	3546	
440-228400-88	SB56,57,58, & 59d0.5 (Composite)	Total/NA	Solid	3546	
440-228400-89	SB60,61,62, & 63d0.5 (Composite)	Total/NA	Solid	3546	
440-228400-90	SB64,65,66, & 67d0.5 (Composite)	Total/NA	Solid	3546	
MB 440-519755/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519755/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228795-A-41-A MS	Matrix Spike	Total/NA	Solid	3546	
440-228795-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-8	SB01d0.5	Total/NA	Solid	8082	519685
440-228400-58	SB66d0.5	Total/NA	Solid	8082	519685
MB 440-519685/1-A	Method Blank	Total/NA	Solid	8082	519685
LCS 440-519685/2-A	Lab Control Sample	Total/NA	Solid	8082	519685
720-90388-E-6-M MS	Matrix Spike	Total/NA	Solid	8082	519685
720-90388-E-6-N MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	519685

Analysis Batch: 519988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-85	SB35,36, & 38d0.5 (Composite)	Total/NA	Solid	8081A	519755
440-228400-86	SB39,40,41, & 42d0.5 (Composite)	Total/NA	Solid	8081A	519755
440-228400-87	SB43,44,45, & 46d0.5 (Composite)	Total/NA	Solid	8081A	519755
440-228400-88	SB56,57,58, & 59d0.5 (Composite)	Total/NA	Solid	8081A	519755
440-228400-89	SB60,61,62, & 63d0.5 (Composite)	Total/NA	Solid	8081A	519755
440-228400-90	SB64,65,66, & 67d0.5 (Composite)	Total/NA	Solid	8081A	519755
MB 440-519755/1-A	Method Blank	Total/NA	Solid	8081A	519755
LCS 440-519755/2-A	Lab Control Sample	Total/NA	Solid	8081A	519755
440-228795-A-41-A MS	Matrix Spike	Total/NA	Solid	8081A	519755
440-228795-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	519755

Metals

Prep Batch: 519039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-7	Eq Blank	Total Recoverable	Water	3005A	
440-228400-84	Eq Blank	Total Recoverable	Water	3005A	
MB 440-519039/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-519039/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228195-D-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-228195-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Prep Batch: 519043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-7	Eq Blank	Total Recoverable	Water	3005A	
440-228400-84	Eq Blank	Total Recoverable	Water	3005A	
MB 440-519043/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-519043/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228302-F-1-B MS ^100	Matrix Spike	Total Recoverable	Water	3005A	
440-228302-F-1-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 519096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-5	Duplicate 1	Total/NA	Solid	3050B	
440-228400-6	Duplicate 2	Total/NA	Solid	3050B	
440-228400-8	SB01d0.5	Total/NA	Solid	3050B	
440-228400-9	SB67d0.5	Total/NA	Solid	3050B	
440-228400-13	SB63d0.5	Total/NA	Solid	3050B	
440-228400-17	SB61d0.5	Total/NA	Solid	3050B	
440-228400-18	SB60d0.5	Total/NA	Solid	3050B	
440-228400-23	SB64d0.5	Total/NA	Solid	3050B	
440-228400-24	SB58d0.5	Total/NA	Solid	3050B	
440-228400-29	SB57d0.5	Total/NA	Solid	3050B	
440-228400-31	SB44d0.5	Total/NA	Solid	3050B	
440-228400-35	SB45d0.5	Total/NA	Solid	3050B	
440-228400-38	SB46d0.5	Total/NA	Solid	3050B	
440-228400-39	SB36d0.5	Total/NA	Solid	3050B	
440-228400-44	SB41d0.5	Total/NA	Solid	3050B	
440-228400-45	SB38d0.5	Total/NA	Solid	3050B	
440-228400-50	SB34d0.5	Total/NA	Solid	3050B	
440-228400-51	SB39d0.5	Total/NA	Solid	3050B	
440-228400-56	SB42d0.5	Total/NA	Solid	3050B	
440-228400-57	SB40d0.5	Total/NA	Solid	3050B	
MB 440-519096/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-519096/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-519096/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-519096/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228400-5 MS	Duplicate 1	Total/NA	Solid	3050B	
440-228400-5 MSD	Duplicate 1	Total/NA	Solid	3050B	
440-228400-A-5-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228400-A-5-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 519097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-58	SB66d0.5	Total/NA	Solid	3050B	
440-228400-61	SB65d0.5	Total/NA	Solid	3050B	
440-228400-64	SB62d0.5	Total/NA	Solid	3050B	
440-228400-67	SB59d0.5	Total/NA	Solid	3050B	
440-228400-70	SB56d0.5	Total/NA	Solid	3050B	
440-228400-73	SB43d0.5	Total/NA	Solid	3050B	
440-228400-76	SB35d0.5	Total/NA	Solid	3050B	
440-228400-79	SB68d0.5	Total/NA	Solid	3050B	
440-228400-82	Duplicate 1	Total/NA	Solid	3050B	
440-228400-83	Duplicate 2	Total/NA	Solid	3050B	
MB 440-519097/1-A ^20	Method Blank	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Prep Batch: 519097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-519097/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-519097/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-519097/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228400-58 MS	SB66d0.5	Total/NA	Solid	3050B	
440-228400-58 MSD	SB66d0.5	Total/NA	Solid	3050B	
440-228400-A-58-D MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228400-A-58-E MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 519116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-24	SB58d0.5	Total/NA	Solid	7471A	
440-228400-35	SB45d0.5	Total/NA	Solid	7471A	
440-228400-56	SB42d0.5	Total/NA	Solid	7471A	
440-228400-64	SB62d0.5	Total/NA	Solid	7471A	
MB 440-519116/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-519116/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-228400-24 MS	SB58d0.5	Total/NA	Solid	7471A	
440-228400-24 MSD	SB58d0.5	Total/NA	Solid	7471A	

Analysis Batch: 519166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-7	Eq Blank	Total Recoverable	Water	6020	519039
440-228400-84	Eq Blank	Total Recoverable	Water	6020	519039
MB 440-519039/1-A	Method Blank	Total Recoverable	Water	6020	519039
LCS 440-519039/2-A	Lab Control Sample	Total Recoverable	Water	6020	519039
440-228195-D-1-B MS	Matrix Spike	Total Recoverable	Water	6020	519039
440-228195-D-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	519039

Analysis Batch: 519175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-24	SB58d0.5	Total/NA	Solid	7471A	519116
440-228400-35	SB45d0.5	Total/NA	Solid	7471A	519116
440-228400-56	SB42d0.5	Total/NA	Solid	7471A	519116
440-228400-64	SB62d0.5	Total/NA	Solid	7471A	519116
MB 440-519116/1-A	Method Blank	Total/NA	Solid	7471A	519116
LCS 440-519116/2-A	Lab Control Sample	Total/NA	Solid	7471A	519116
440-228400-24 MS	SB58d0.5	Total/NA	Solid	7471A	519116
440-228400-24 MSD	SB58d0.5	Total/NA	Solid	7471A	519116

Analysis Batch: 519246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-7	Eq Blank	Total Recoverable	Water	6010B	519043
440-228400-84	Eq Blank	Total Recoverable	Water	6010B	519043
MB 440-519043/1-A	Method Blank	Total Recoverable	Water	6010B	519043
LCS 440-519043/2-A	Lab Control Sample	Total Recoverable	Water	6010B	519043
440-228302-F-1-B MS ^100	Matrix Spike	Total Recoverable	Water	6010B	519043
440-228302-F-1-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	6010B	519043

Analysis Batch: 519322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-5	Duplicate 1	Total/NA	Solid	6020	519096

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Analysis Batch: 519322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-6	Duplicate 2	Total/NA	Solid	6020	519096
440-228400-8	SB01d0.5	Total/NA	Solid	6020	519096
440-228400-9	SB67d0.5	Total/NA	Solid	6020	519096
440-228400-13	SB63d0.5	Total/NA	Solid	6020	519096
440-228400-17	SB61d0.5	Total/NA	Solid	6020	519096
440-228400-18	SB60d0.5	Total/NA	Solid	6020	519096
440-228400-23	SB64d0.5	Total/NA	Solid	6020	519096
440-228400-24	SB58d0.5	Total/NA	Solid	6020	519096
440-228400-29	SB57d0.5	Total/NA	Solid	6020	519096
440-228400-31	SB44d0.5	Total/NA	Solid	6020	519096
440-228400-35	SB45d0.5	Total/NA	Solid	6020	519096
440-228400-38	SB46d0.5	Total/NA	Solid	6020	519096
440-228400-39	SB36d0.5	Total/NA	Solid	6020	519096
440-228400-44	SB41d0.5	Total/NA	Solid	6020	519096
440-228400-45	SB38d0.5	Total/NA	Solid	6020	519096
440-228400-50	SB34d0.5	Total/NA	Solid	6020	519096
440-228400-51	SB39d0.5	Total/NA	Solid	6020	519096
440-228400-56	SB42d0.5	Total/NA	Solid	6020	519096
440-228400-57	SB40d0.5	Total/NA	Solid	6020	519096
MB 440-519096/1-A ^20	Method Blank	Total/NA	Solid	6020	519096
LCS 440-519096/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	519096
440-228400-5 MS	Duplicate 1	Total/NA	Solid	6020	519096
440-228400-5 MSD	Duplicate 1	Total/NA	Solid	6020	519096

Analysis Batch: 519342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-58	SB66d0.5	Total/NA	Solid	6020	519097
440-228400-61	SB65d0.5	Total/NA	Solid	6020	519097
440-228400-64	SB62d0.5	Total/NA	Solid	6020	519097
440-228400-67	SB59d0.5	Total/NA	Solid	6020	519097
440-228400-70	SB56d0.5	Total/NA	Solid	6020	519097
440-228400-73	SB43d0.5	Total/NA	Solid	6020	519097
440-228400-76	SB35d0.5	Total/NA	Solid	6020	519097
440-228400-79	SB68d0.5	Total/NA	Solid	6020	519097
440-228400-82	Duplicate 1	Total/NA	Solid	6020	519097
440-228400-83	Duplicate 2	Total/NA	Solid	6020	519097
MB 440-519097/1-A ^20	Method Blank	Total/NA	Solid	6020	519097
LCS 440-519097/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	519097
440-228400-58 MS	SB66d0.5	Total/NA	Solid	6020	519097
440-228400-58 MSD	SB66d0.5	Total/NA	Solid	6020	519097

Analysis Batch: 519351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-5	Duplicate 1	Total/NA	Solid	6010B	519096
440-228400-6	Duplicate 2	Total/NA	Solid	6010B	519096
440-228400-8	SB01d0.5	Total/NA	Solid	6010B	519096
440-228400-9	SB67d0.5	Total/NA	Solid	6010B	519096
440-228400-13	SB63d0.5	Total/NA	Solid	6010B	519096
440-228400-17	SB61d0.5	Total/NA	Solid	6010B	519096
440-228400-18	SB60d0.5	Total/NA	Solid	6010B	519096
440-228400-23	SB64d0.5	Total/NA	Solid	6010B	519096

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Analysis Batch: 519351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-24	SB58d0.5	Total/NA	Solid	6010B	519096
440-228400-29	SB57d0.5	Total/NA	Solid	6010B	519096
440-228400-31	SB44d0.5	Total/NA	Solid	6010B	519096
440-228400-35	SB45d0.5	Total/NA	Solid	6010B	519096
440-228400-38	SB46d0.5	Total/NA	Solid	6010B	519096
440-228400-39	SB36d0.5	Total/NA	Solid	6010B	519096
440-228400-44	SB41d0.5	Total/NA	Solid	6010B	519096
440-228400-45	SB38d0.5	Total/NA	Solid	6010B	519096
440-228400-50	SB34d0.5	Total/NA	Solid	6010B	519096
440-228400-51	SB39d0.5	Total/NA	Solid	6010B	519096
440-228400-56	SB42d0.5	Total/NA	Solid	6010B	519096
440-228400-57	SB40d0.5	Total/NA	Solid	6010B	519096
MB 440-519096/1-A ^5	Method Blank	Total/NA	Solid	6010B	519096
LCS 440-519096/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	519096
440-228400-5 MS	Duplicate 1	Total/NA	Solid	6010B	519096
440-228400-5 MSD	Duplicate 1	Total/NA	Solid	6010B	519096
440-228400-A-5-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	519096
440-228400-A-5-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	519096

Analysis Batch: 519365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-58	SB66d0.5	Total/NA	Solid	6010B	519097
440-228400-61	SB65d0.5	Total/NA	Solid	6010B	519097
440-228400-64	SB62d0.5	Total/NA	Solid	6010B	519097
440-228400-67	SB59d0.5	Total/NA	Solid	6010B	519097
440-228400-70	SB56d0.5	Total/NA	Solid	6010B	519097
440-228400-73	SB43d0.5	Total/NA	Solid	6010B	519097
440-228400-76	SB35d0.5	Total/NA	Solid	6010B	519097
440-228400-79	SB68d0.5	Total/NA	Solid	6010B	519097
440-228400-82	Duplicate 1	Total/NA	Solid	6010B	519097
440-228400-83	Duplicate 2	Total/NA	Solid	6010B	519097
MB 440-519097/1-A ^5	Method Blank	Total/NA	Solid	6010B	519097
LCS 440-519097/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	519097
440-228400-58 MS	SB66d0.5	Total/NA	Solid	6010B	519097
440-228400-58 MSD	SB66d0.5	Total/NA	Solid	6010B	519097
440-228400-A-58-D MS ^5	Matrix Spike	Total/NA	Solid	6010B	519097
440-228400-A-58-E MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	519097

Prep Batch: 520579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-19	SB61d1.5	Total/NA	Solid	3050B	
MB 440-520579/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520579/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228878-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228878-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 520582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-25	SB64d1.5	Total/NA	Solid	3050B	
440-228400-30	SB57d1.5	Total/NA	Solid	3050B	
440-228400-36	SB45d1.5	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Prep Batch: 520582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-40	SB46d1.5	Total/NA	Solid	3050B	
440-228400-52	SB34d1.5	Total/NA	Solid	3050B	
440-228400-54	SB39d1.5	Total/NA	Solid	3050B	
440-228400-68	SB59d1.5	Total/NA	Solid	3050B	
440-228400-80	SB68d1.5	Total/NA	Solid	3050B	
MB 440-520582/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520582/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228835-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228835-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Leach Batch: 520839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-35	SB45d0.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-38	SB46d0.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-520839/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-520839/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228924-A-4-A MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-228924-A-4-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 520896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-19	SB61d1.5	Total/NA	Solid	6010B	520579
MB 440-520579/1-A ^5	Method Blank	Total/NA	Solid	6010B	520579
LCS 440-520579/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520579
440-228878-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	520579
440-228878-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	520579

Analysis Batch: 520904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-25	SB64d1.5	Total/NA	Solid	6010B	520582
440-228400-30	SB57d1.5	Total/NA	Solid	6010B	520582
440-228400-36	SB45d1.5	Total/NA	Solid	6010B	520582
440-228400-40	SB46d1.5	Total/NA	Solid	6010B	520582
440-228400-52	SB34d1.5	Total/NA	Solid	6010B	520582
440-228400-54	SB39d1.5	Total/NA	Solid	6010B	520582
440-228400-68	SB59d1.5	Total/NA	Solid	6010B	520582
440-228400-80	SB68d1.5	Total/NA	Solid	6010B	520582
MB 440-520582/1-A ^5	Method Blank	Total/NA	Solid	6010B	520582
LCS 440-520582/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520582
440-228835-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	520582
440-228835-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	520582

Analysis Batch: 520992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-35	SB45d0.5	STLC Citrate	Solid	6010B	520839
440-228400-38	SB46d0.5	STLC Citrate	Solid	6010B	520839
MB 440-520839/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	520839
LCS 440-520839/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	520839
440-228924-A-4-A MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	520839
440-228924-A-4-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	520839

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Leach Batch: 521274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-36	SB45d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-40	SB46d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-50	SB34d0.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-51	SB39d0.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-521274/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-521274/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228400-36 MS	SB45d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-36 MSD	SB45d1.5	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 521298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-35	SB45d0.5	TCLP	Solid	1311	
440-228400-38	SB46d0.5	TCLP	Solid	1311	
MB 440-521298/1-B	Method Blank	TCLP	Solid	1311	
LCS 440-521298/2-B	Lab Control Sample	TCLP	Solid	1311	
440-228400-38 MS	SB46d0.5	TCLP	Solid	1311	
440-228400-38 MSD	SB46d0.5	TCLP	Solid	1311	

Prep Batch: 521546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-35	SB45d0.5	TCLP	Solid	3010A	521298
440-228400-38	SB46d0.5	TCLP	Solid	3010A	521298
MB 440-521298/1-B	Method Blank	TCLP	Solid	3010A	521298
LCS 440-521298/2-B	Lab Control Sample	TCLP	Solid	3010A	521298
440-228400-38 MS	SB46d0.5	TCLP	Solid	3010A	521298
440-228400-38 MSD	SB46d0.5	TCLP	Solid	3010A	521298

Analysis Batch: 521714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-35	SB45d0.5	TCLP	Solid	6010B	521546
440-228400-38	SB46d0.5	TCLP	Solid	6010B	521546
MB 440-521298/1-B	Method Blank	TCLP	Solid	6010B	521546
LCS 440-521298/2-B	Lab Control Sample	TCLP	Solid	6010B	521546
440-228400-38 MS	SB46d0.5	TCLP	Solid	6010B	521546
440-228400-38 MSD	SB46d0.5	TCLP	Solid	6010B	521546

Analysis Batch: 521806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-36	SB45d1.5	STLC Citrate	Solid	6010B	521274
440-228400-50	SB34d0.5	STLC Citrate	Solid	6010B	521274
440-228400-51	SB39d0.5	STLC Citrate	Solid	6010B	521274
MB 440-521274/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	521274
LCS 440-521274/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	521274
440-228400-36 MS	SB45d1.5	STLC Citrate	Solid	6010B	521274
440-228400-36 MSD	SB45d1.5	STLC Citrate	Solid	6010B	521274

Analysis Batch: 521815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-40	SB46d1.5	STLC Citrate	Solid	6010B	521274

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Leach Batch: 522638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-37	SB45d2.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-54	SB39d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-522638/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-522638/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228400-37 MS	SB45d2.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-37 MSD	SB45d2.5	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 522687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-36	SB45d1.5	TCLP	Solid	1311	
440-228400-51	SB39d0.5	TCLP	Solid	1311	
MB 440-522687/1-B	Method Blank	TCLP	Solid	1311	
LCS 440-522687/2-B	Lab Control Sample	TCLP	Solid	1311	
440-229353-A-1-F MS	Matrix Spike	TCLP	Solid	1311	
440-229353-A-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	1311	

Prep Batch: 522971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-36	SB45d1.5	TCLP	Solid	3010A	522687
440-228400-51	SB39d0.5	TCLP	Solid	3010A	522687
MB 440-522687/1-B	Method Blank	TCLP	Solid	3010A	522687
LCS 440-522687/2-B	Lab Control Sample	TCLP	Solid	3010A	522687
440-229353-A-1-F MS	Matrix Spike	TCLP	Solid	3010A	522687
440-229353-A-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	522687

Analysis Batch: 523200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-36	SB45d1.5	TCLP	Solid	6010B	522971
440-228400-51	SB39d0.5	TCLP	Solid	6010B	522971
MB 440-522687/1-B	Method Blank	TCLP	Solid	6010B	522971
LCS 440-522687/2-B	Lab Control Sample	TCLP	Solid	6010B	522971
440-229353-A-1-F MS	Matrix Spike	TCLP	Solid	6010B	522971
440-229353-A-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	6010B	522971

Analysis Batch: 523468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-37	SB45d2.5	STLC Citrate	Solid	6010B	522638
440-228400-54	SB39d1.5	STLC Citrate	Solid	6010B	522638
MB 440-522638/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	522638
LCS 440-522638/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	522638
440-228400-37 MS	SB45d2.5	STLC Citrate	Solid	6010B	522638
440-228400-37 MSD	SB45d2.5	STLC Citrate	Solid	6010B	522638

Prep Batch: 532106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-34	SB44d2.5	Total/NA	Solid	3050B	
440-228400-46	SB38d1.5	Total/NA	Solid	3050B	
440-228400-49	SB38d2.5	Total/NA	Solid	3050B	
MB 440-532106/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-532106/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-235074-E-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Metals (Continued)

Prep Batch: 532106 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-235074-E-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Leach Batch: 532153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-33	SB44d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-46	SB38d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-532153/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-532153/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228400-33 MS	SB44d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228400-33 MSD	SB44d1.5	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 532280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-34	SB44d2.5	Total/NA	Solid	6010B	532106
440-228400-46	SB38d1.5	Total/NA	Solid	6010B	532106
440-228400-49	SB38d2.5	Total/NA	Solid	6010B	532106
MB 440-532106/1-A ^5	Method Blank	Total/NA	Solid	6010B	532106
LCS 440-532106/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	532106
440-235074-E-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	532106
440-235074-E-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	532106

Analysis Batch: 532965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228400-33	SB44d1.5	STLC Citrate	Solid	6010B	532153
440-228400-46	SB38d1.5	STLC Citrate	Solid	6010B	532153
MB 440-532153/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	532153
LCS 440-532153/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	532153
440-228400-33 MS	SB44d1.5	STLC Citrate	Solid	6010B	532153
440-228400-33 MSD	SB44d1.5	STLC Citrate	Solid	6010B	532153

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil

TestAmerica Job ID: 440-228400-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8270C SIM	3546	Solid	Acenaphthene
8270C SIM	3546	Solid	Acenaphthylene
8270C SIM	3546	Solid	Anthracene
8270C SIM	3546	Solid	Benzo[a]anthracene
8270C SIM	3546	Solid	Benzo[a]pyrene
8270C SIM	3546	Solid	Benzo[b]fluoranthene
8270C SIM	3546	Solid	Benzo[g,h,i]perylene
8270C SIM	3546	Solid	Benzo[k]fluoranthene
8270C SIM	3546	Solid	Chrysene
8270C SIM	3546	Solid	Dibenz(a,h)anthracene
8270C SIM	3546	Solid	Fluoranthene
8270C SIM	3546	Solid	Fluorene
8270C SIM	3546	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3546	Solid	Naphthalene
8270C SIM	3546	Solid	Phenanthrene
8270C SIM	3546	Solid	Pyrene



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Report for:

Ms. Urvashi Patel
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-228400-1
 EML ID: 2065284

Approved by:

Approved Signatory
 Danny Li

REVISED REPORT

Dates of Analysis:
 Asbestos PLM: 03-28-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: TestAmerica-Irvine
 C/O: Ms. Urvashi Patel
 Re: 440-228400-1

Date of Sampling: 12-19-2018
 Date of Receipt: 12-21-2018
 Date of Report: 12-26-2018

ASBESTOS PLM REPORT

Total Samples Submitted: 3
Total Samples Analyzed: 3
Total Samples with Layer Asbestos Content > 1%: 0

Location: SB64d1.5 (440-228400-25)

Lab ID-Version‡: 9757595-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB46d0.5 (440-228400-38)

Lab ID-Version‡: 9757596-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB36d0.5 (440-228400-39)

Lab ID-Version‡: 9757597-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



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Report for:

Ms. Urvashi Patel
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-228400-2
 EML ID: 2068395

Approved by:

Approved Signatory
 Danny Li

REVISED REPORT

Dates of Analysis:
 Asbestos PLM: 03-28-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



EMLab P&K

17461 Derian Ave, Suite 100, Irvine, CA 92614
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Irvine
C/O: Ms. Urvashi Patel
Re: 440-228400-2

Date of Sampling: 12-19-2018
Date of Receipt: 12-31-2018
Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Total Samples Submitted: 1
Total Samples Analyzed: 1
Total Samples with Layer Asbestos Content > 1%: 0

Location: SB64d0.5 (440-228400-23)

Lab ID-Version‡: 9771553-4

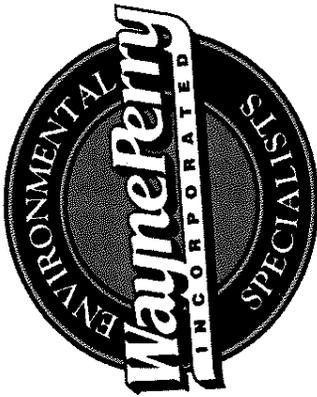
Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

1/6

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day
 WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFahudy@wpinc.com

Additional Instructions:
 Quote No. 44021693
 EDD Required
 Follow DTSC composite sampling protocol wherever composites are requested.

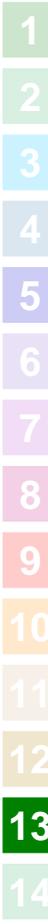
Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPS by EPA Method 8081	Comments
1 SB40d1.5	12/19/18	5:15	soil	1	X	X	X			Composite	OCPS composite indicated samples at 0.5, 1.5 and 2.5 feet
2 SB40d1.5		15:20			X	X				39,40,41,42	hold/archive
3 SB40d2.5		15:25			X	X				39,40,41,42	hold/archive
4 SB40d2.5		15:30			X	X	X			39,40,41,42	hold/archive
5 Duplicate 1		16:00			X	X				39,40,41,42	hold/archive
6 Duplicate 2		16:15			X	X					
7 Eq Blank		16:30	water	1	X						
8											
9											
10											



440-228400 Chain of Custody

Relinquished By: *Robert Deamer*
 Received By: *Willis Revere*
 Date: 12/19/18
 Time: 1300
 Date: 12/20/18
 Time: 1530

1.1/1.3 # 88



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WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

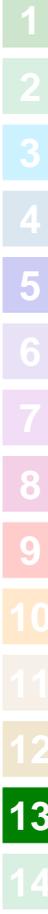
CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day
 WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com

Additional Instructions:
 Quote No. 44021693
 EDD Required
 Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCBs by EPA Method 8081	Comments
1 SB01d0.5	12/19/18	0800	soil	1	X	X		X		Composite	OCBs composite indicated samples at 0.5, 1.5, 2.5 foot samples
2 SB67d0.5	1	0815	1	1	X	X				1,2,3,4	
3 SB67d1.5	1	0820	1	1	X	X				6/16/18	hold for archive
4 SB67d2.5	1	0825	1	1	X	X				6/16/18	hold for archive
5 SB01d1.5	1	0845	1	1	X	X		X		1,2,3,4	hold for archive
6 SB63d0.5	1	0850	1	1	X	X		X		6/16/18	hold for archive
7 SB63d1.5	1	0900	1	1	X	X		X		6/16/18	hold for archive
8 SB01d2.5	1	0905	1	1	X	X		X		1,2,3,4	hold for archive
9 SB63d2.5	1	0910	1	1	X	X		X		6/16/18	hold for archive
10 SB61d0.5	1	0915	1	1	X	X		X		6/16/18	hold for archive

Relinquished By: *Robert Deamer*
 Relinquished By: *Wells Reica*
 Received By: *Wells Reica*
 Received By: *Wells Reica*
 Date: 12/19/18
 Date: 12/20/18
 Time: 1400
 Time: 1530



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WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA

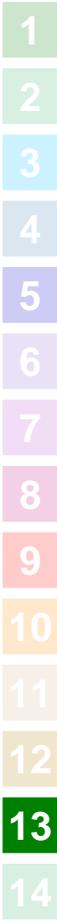
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
Result Turnaround: 3-Day

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com,
TFaludy@wpinc.com

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Comments
SB60d0.5	12/19/18	0920	soil	1	X	X				Composite	OCPS composite indicated samples at 0.5, 1.5, 2.5 foot depths
SB61d1.5		0925			X	X		X		60,61,62,63	hold/archive
SB60d1.5		0930			X	X				60,61,62,63	hold/archive
SB61d2.5		0935			X	X		X		60,61,62,63	hold/archive
SB60d2.5		0937			X	X				60,61,62,63	hold/archive
SB64d0.5		0940		2	X	X				64,65,66,67	
SB58d0.5		0945		2	X	X	X			54,57,58,59	
SB64d1.5		0947		2	X	X				64,65,66,67	hold/archive
SB58d1.5		0950		1	X	X	X			54,57,58,59	hold/archive
SB64d2.5		0955		2	X	X				64,65,66,67	hold/archive

Relinquished By: *Robert Deamer* Date: 12/19/18 Time: 1800

Relinquished By: *Will. Perera* Date: 12/20/18 Time: 1530



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WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day
 WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com,
 TFaludy@wpinc.com

Additional Instructions:
 Quote No. 44021693
 EDD Required
 Follow DTSC composite sampling protocol wherever
 composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/741A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Comments
SB578d 2.5	12/19/18	1000	Sol	1	X	X	X			Composite	hold/archive
SB57d 0.5		1010			X	X		X	X	5057, 58, 59	hold/archive
SB57d 1.5		1015			X	X		X	X	5057, 58, 59	hold/archive
SB44d 0.5		1020			X	X	X		X	4344, 45, 46	hold/archive
SB57d 2.5		1025			X	X		X	X	5057, 58, 59	hold/archive
SB44d 1.5		1035			X	X	X		X	4344, 45, 46	hold/archive
SB44d 2.5		1100			X	X	X		X	4344, 45, 46	hold/archive
SB45d 0.5		1105			X	X	X		X	4344, 45, 46	hold/archive
SB45d 1.5		1200			X	X	X		X	4344, 45, 46	hold/archive
SB45d 2.5		1220			X	X	X		X	4344, 45, 46	hold/archive

Relinquished By: *Robert Deamer* Date: 12/19/18 Time: 1800
 Received By: *Wick Rivera*
 Relinquished By: *Wick Rivera* Date: 12/20/18 Time: 1530
 Received By: *Wick Rivera*



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WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day
 WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com

Additional Instructions:
 Quote No. 44021693
 EDD Required
 Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPS by EPA Method 8081	OCPS composite	Comments
1 SB46d0.5	12/19/18	1230	soil	2	X	X	X	X	X	464748	X	OCPS composite indicated samples + 0.5 1.5 & 2.5 foot depths
2 SB36d0.5		1235		2	X	X	X	X	34353638	X		
3 SB46d1.5		1240		2	X	X	X	X	464748	X		
4 SB36d1.5		1245		2	X	X	X	X	34353638	X		
5 SB46d2.5		1250		2	X	X	X	X	464748	X		
6 SB36d2.5		1255		2	X	X	X	X	34353638	X		
7 SB41d0.5		1310		1	X	X	X	X	39404142			
8 SB38d0.5		1315		1	X	X	X	X	34353638			
9 SB38d1.5		1320		1	X	X	X	X	34353638			
10 SB41d1.5		1335		1	X	X	X	X	39404142			

Relinquished By: *Robert Deamer* Date: 12/19/18 Time: 1800
 Relinquished By: *Will. Rivera* Date: 12/20/18 Time: 1530



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WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618									
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica									
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer									
Additional Instructions: Quote No. 44021693 EDD Required Follow DTSC composite sampling protocol wherever composites are requested.		Result Turnaround: 3-Day									
Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/741A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Comments
SB41d2.5	12/19/18	1350	soil	1	X	X		X		composite	OCPs composite indicated samples at 0.5, 1.5 and 2.5 feet
SB38d2.5		1355		1	X	X				39,40,41,42 hold/archive	
SB34d0.5		1405		1	X	X				34,35,36,38 hold/archive	
SB39d0.5		1415		1	X	X			X	34,35,36,38 hold/archive	
SB34d1.5		1425		1	X	X				34,35,36,38 hold/archive	
SB34d2.5		1430		1	X	X				34,35,36,38 hold/archive	
SB39d1.5		1435		1	X	X			X	39,40,41,42 hold/archive	
SB39d2.5		1445		1	X	X	X		X	39,40,41,42 hold/archive	
SB42d0.5		1455		1	X	X				39,40,41,42 hold/archive	
SB40d0.5		1505		1	X	X				39,40,41,42 hold/archive	
Relinquished By: Robert Deamer		Received By: Willie Rivera		Date: 12/19/18		Time: 1800					
Relinquished By: Willie Rivera		Received By: Willie Rivera		Date: 12/20/18		Time: 1530					



1/3



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School Site Address: 1447 East 45 th Street Los Angeles CA			WPI Job Number: 180618 Laboratory: Test America Sampled By: Robert Deamer Result Turnaround: 3-day		
WPI Contact: rdeamer@wpinc.com, iljacobs@wpinc.com, cfarrel@wpinc.com, tfaludy@wpinc.com, erodriguez@wpinc.com,			Asbestos PLM		
Additional Instructions: Quote No. 44021693			PCBs by EPA method 8082		
Sample Name			Arsenic by EPA method 6010B		
Sampling Date			by EPA method 6020B		
Sampling Time			Lead		
Matrix			No. of Cont.		
1 SB66d0.5			1		
2 SB66d1.5			1		
3 SB66d2.5			1		
4 SB65d0.5			1		
5 SB65d1.5			1		
6 SB65d2.5			1		
7 SB62d0.5			1		
8 SB62d1.5			1		
9 SB62d2.5			1		
10 SB57d0.5			1		
Relinquished By: Robert Deamer			Received By: Wilfredo Rivera		
Relinquished By: Wilfredo Rivera			Received By: Wilfredo Rivera		



OCPI's Composite samples indicated at 0.5, 1.5 and 2.5 foot depths

Comments
hold/archive
hold/archive
hold/archive
hold/archive
hold/archive
hold/archive

Time: 1700
Date: 12/19/18
Time: 1530
Date: 12/20/18

1.1/1.3 # 88



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street Los Angeles CA		Laboratory: Test America	
WPI Contact: rdeamer@wpinc.com, iliacobs@wpinc.com, cfarrel@wpinc.com, ffaudy@wpinc.com, erodriguez@wpinc.com,		Sampled By: Robert Deamer	
Additional Instructions: Quote No. 44021693		Result Turnaround: 3-day	

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Asbestos PLM	PCBs by EPA method 8082	Arsenic by EPA method 6010B	Lead by EPA method 6020B	OCPs by EPA method 8081	PAHs by EPA 8270 SIM	Comments	
												Received By:
1 SB59d 1.5	12/18/18	0945	Soil	1					56575859		hold/archive	
2 SB59d 2.5		0955							56575859		hold/archive	
3 SB56d 0.5		1030							56575859		hold/archive	
4 SB56d 1.5		1050							56575859		hold/archive	
5 SB56d 2.5		1100							56575859		hold/archive	
6 SB43d 0.5		1115							43444546	X	hold/archive	
7 SB43d 1.5		1130							43444546	X	hold/archive	
8 SB43d 2.5		1135							43444546	X	hold/archive	
9 SB35d 0.5		1150							35363738	X	hold/archive	
10 SB35d 1.5		1200							35363738	X	hold/archive	
Relinquished By: <i>[Signature]</i>	Received By: <i>Will Rivero</i>		Date: 12/18/18		Time: 1700							
Relinquished By: <i>Will Rivero</i>	Received By: <i>[Signature]</i>		Date: 12/20/18		Time: 1530							





WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School			WPI Job Number: 180618									
Site Address: 1447 East 45 th Street Los Angeles CA			Laboratory: Test America									
WPI Contact: rdeamer@wpinc.com, iliacobs@wpinc.com, cfarrrel@wpinc.com, tfaludy@wpinc.com, erodriguez@wpinc.com,			Sampled By: Robert Deamer									
Additional Instructions: Quote No. 44021693			Result Turnaround: 3-day									
Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Asbestos PLM			Comments				
					Arctic and Lead by EPA method 6010B	PCBs by EPA method 8082	OCPs by EPA method 8081					
1 SB35d2.5	12/18/18	1215	soil	1	X	X	X	OCPs composite 35367180	X	8270 SIM	OCPs composite samples indicated at 0.5 1.5 and 2.5 foot depths	
2 SB68d0.5		1230	↓	1	X	X	X	6867071	X		hold/archive	
3 SB68d1.5		1235	↓	1	X	X	X	6867071	X		hold/archive	
4 SB68d2.5		1245	↓	1	X	X	X	6867071	X		hold/archive	
5 Duplicate 1		1445	↓	1	X	X	X	6867071	X		hold/archive	
6 Duplicate 2		1450	↓	1	X	X	X	6867071	X		hold/archive	
7 Eq Blank		1500	water	1	X	X	X	6867071	X		hold/archive	
8												
9												
10												
Relinquished By: Robert Deamer			Received By: Willie Ravea			Date: 12/18/18	Time: 1700					
Relinquished By: Willie Ravea			Received By: Willie Ravea			Date: 12/20/18	Time: 1530					



Table 1
Ascot Elementary Sampling Plan

Boring ID	Matrix	Sample Depths	Analysis	Notes
SB01	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Lunch Shelter
SB02	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB03	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB04	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
COMP-01,02,03,04	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB05	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	Cafeteria
SB06	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB07	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
SB08	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
COMP-05,06,07	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB09	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	Portables
SB10	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB11	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
SB12	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
COMP-09,10,11,12	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB13	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	Portables
SB14	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB15	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB16	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
COMP-13,14,15,16	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB17	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Auditorium and Classroom (adj.)
SB18	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
SB19	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB20	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
COMP-17,18,19,24	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB21	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Auditorium and Classroom
SB22	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
SB23	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB24	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
COMP-20,21,22,23	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB25	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	Administrative and Classroom
SB26	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB27	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
COMP-25,26,27	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB28	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	Administrative and Classroom
SB29	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB30	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
COMP-28,29,30	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB31	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Portables
SB32	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB33	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
SB34	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
COMP-31,32,33,34	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Organochlorine pesticides by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB35	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Portables
SB36	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
SB37	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB38	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
COMP-35,36,37,38	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB39	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Portables
SB40	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
SB41	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
SB42	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
COMP-39,40,41,42	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB43	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Portables
SB44	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
SB45	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB46	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
COMP-43,44,45,46	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB47	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Arco-Iris
SB48	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
COMP-47,48	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB49	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	Portables
SB50	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB51	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
SB52	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
COMP-49,50,51,52	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB53	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	Portables/Adjacent Parking Area

*Heather to confirm with Chris Farrell whether lab-generated composites are necessary prior to archiving.

Table 1
Ascot Elementary Sampling Plan

Boring ID	Matrix	Sample Depths	Analysis	Notes
SB54	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
SB55	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
COMP-53,54,55	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB56	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	Athletic Area
SB57	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
SB58	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB59	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
COMP-56,57,58,59	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB60	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	Athletic Area
SB61	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
SB62	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB63	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	--
COMP-60,61,62,63	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB64	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	Northwest Parking Lot
SB65	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
SB66	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
SB67	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
COMP-64,65,66,67	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB68	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Northwest Parking Lot/Athletic Area
SB69	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B	--
SB70	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	--
SB71	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	--
SB72	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	--
COMP-68,69,70,71	Soil	0' to 0.5', 1' to 1.5', 2' to 2.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived

Notes:

OCPs organochlorine pesticides
PCBs polychlorinated biphenyls

Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-228400-2

Login Number: 228400

List Source: TestAmerica Irvine

List Number: 1

Creator: Soderblom, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample compositing requested.
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-228639-2

Client Project/Site: LAUSD Soil - Task 3

Revision: 2

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 2:44:50 PM

Urvashi Patel, Manager of Project Management

urvashi.patel@testamericainc.com

Designee for

Dennis Tran, Project Manager I

(949)261-1022

dennis.tran@testamericainc.com

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

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

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

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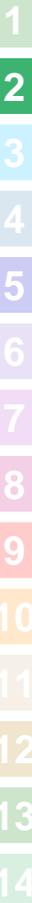


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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-228639-1	SB69d0.5	Solid	12/20/18 07:00	12/21/18 16:50
440-228639-2	SB69d1.5	Solid	12/20/18 07:10	12/21/18 16:50
440-228639-3	SB69d2.5	Solid	12/20/18 07:30	12/21/18 16:50
440-228639-4	SB33d0.5	Solid	12/20/18 08:00	12/21/18 16:50
440-228639-5	SB33d1.5	Solid	12/20/18 08:10	12/21/18 16:50
440-228639-6	SB33d2.5	Solid	12/20/18 08:20	12/21/18 16:50
440-228639-7	SB32d0.5	Solid	12/20/18 08:25	12/21/18 16:50
440-228639-8	SB31d0.5	Solid	12/20/18 08:30	12/21/18 16:50
440-228639-9	SB32d1.5	Solid	12/20/18 08:35	12/21/18 16:50
440-228639-10	SB31d1.5	Solid	12/20/18 08:40	12/21/18 16:50
440-228639-11	SB32d2.5	Solid	12/20/18 08:45	12/21/18 16:50
440-228639-12	SB31d2.5	Solid	12/20/18 08:50	12/21/18 16:50
440-228639-13	SB47d0.5	Solid	12/20/18 08:55	12/21/18 16:50
440-228639-14	SB48d0.5	Solid	12/20/18 09:00	12/21/18 16:50
440-228639-15	SB47d1.5	Solid	12/20/18 09:05	12/21/18 16:50
440-228639-16	SB48d1.5	Solid	12/20/18 09:10	12/21/18 16:50
440-228639-17	SB48d2.5	Solid	12/20/18 09:15	12/21/18 16:50
440-228639-18	SB47d2.5	Solid	12/20/18 09:20	12/21/18 16:50
440-228639-19	SB49d0.5	Solid	12/20/18 09:30	12/21/18 16:50
440-228639-20	SB50d0.5	Solid	12/20/18 09:35	12/21/18 16:50
440-228639-21	SB50d1.5	Solid	12/20/18 09:45	12/21/18 16:50
440-228639-22	SB49d1.5	Solid	12/20/18 09:50	12/21/18 16:50
440-228639-23	SB49d2.5	Solid	12/20/18 09:55	12/21/18 16:50
440-228639-24	SB50d2.5	Solid	12/20/18 10:00	12/21/18 16:50
440-228639-25	SB51d0.5	Solid	12/20/18 10:10	12/21/18 16:50
440-228639-26	SB52d0.5	Solid	12/20/18 10:20	12/21/18 16:50
440-228639-27	SB52d1.5	Solid	12/20/18 10:30	12/21/18 16:50
440-228639-28	SB51d1.5	Solid	12/20/18 10:40	12/21/18 16:50
440-228639-29	SB51d2.5	Solid	12/20/18 10:45	12/21/18 16:50
440-228639-30	SB52d2.5	Solid	12/20/18 10:50	12/21/18 16:50
440-228639-31	SB53d0.5	Solid	12/20/18 11:45	12/21/18 16:50
440-228639-32	SB54d0.5	Solid	12/20/18 11:50	12/21/18 16:50
440-228639-33	SB53d1.5	Solid	12/20/18 12:00	12/21/18 16:50
440-228639-34	SB54d1.5	Solid	12/20/18 12:05	12/21/18 16:50
440-228639-35	SB53d2.5	Solid	12/20/18 12:10	12/21/18 16:50
440-228639-36	SB54d2.5	Solid	12/20/18 12:15	12/21/18 16:50
440-228639-37	SB55d0.5	Solid	12/20/18 12:25	12/21/18 16:50
440-228639-38	SB20d0.5	Solid	12/20/18 12:30	12/21/18 16:50
440-228639-39	SB55d1.5	Solid	12/20/18 12:35	12/21/18 16:50
440-228639-40	SB20d1.5	Solid	12/20/18 12:40	12/21/18 16:50
440-228639-41	SB20d2.5	Solid	12/20/18 12:40	12/21/18 16:50
440-228639-42	SB55d2.5	Solid	12/20/18 12:45	12/21/18 16:50
440-228639-43	SB21d0.5	Solid	12/20/18 12:55	12/21/18 16:50
440-228639-44	SB22d0.5	Solid	12/20/18 13:00	12/21/18 16:50
440-228639-49	SB23d0.5	Solid	12/20/18 13:35	12/21/18 16:50
440-228639-50	SB24d0.5	Solid	12/20/18 13:40	12/21/18 16:50
440-228639-51	SB23d1.5	Solid	12/20/18 13:45	12/21/18 16:50
440-228639-52	SB24d1.5	Solid	12/20/18 13:50	12/21/18 16:50
440-228639-53	SB23d2.5	Solid	12/20/18 13:55	12/21/18 16:50
440-228639-54	SB24d2.5	Solid	12/20/18 14:00	12/21/18 16:50
440-228639-55	SB04d0.5	Solid	12/20/18 14:05	12/21/18 16:50
440-228639-56	SB04d1.5	Solid	12/20/18 14:15	12/21/18 16:50
440-228639-57	SB03d0.5	Solid	12/20/18 14:20	12/21/18 16:50

TestAmerica Irvine

Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-228639-58	SB04d2.5	Solid	12/20/18 14:25	12/21/18 16:50
440-228639-59	SB02d0.5	Solid	12/20/18 14:30	12/21/18 16:50
440-228639-60	SB03d1.5	Solid	12/20/18 14:35	12/21/18 16:50
440-228639-61	SB03d2.5	Solid	12/20/18 14:44	12/21/18 16:50
440-228639-62	Duplicate 1	Solid	12/20/18 15:15	12/21/18 16:50
440-228639-63	Duplicate 2	Solid	12/20/18 15:30	12/21/18 16:50
440-228639-64	EQ Blank	Water	12/20/18 15:35	12/21/18 16:50
440-228639-69	SB31,32,33,34 0 to 0.5 Composite	Solid	12/20/18 08:30	12/21/18 16:50
440-228639-70	SB46,47,48 0 to 0.5 Composite	Solid	12/20/18 09:00	12/21/18 16:50
440-228639-71	SB49,50,51,52 0 to 0.5 Composite	Solid	12/20/18 10:20	12/21/18 16:50
440-228639-72	SB53,54,55 0 to 0.5 Composite	Solid	12/20/18 12:25	12/21/18 16:50
440-228639-73	SB20,21,22,23 0 to 0.5 Composite	Solid	12/20/18 13:35	12/21/18 16:50
440-228639-74	SB17,18,19,24 0 to 0.5 composite	Solid	12/21/18 13:40	12/21/18 16:50
440-228639-75	SB01,02,03,04 0 to 0.5 Composite	Solid	12/20/18 14:05	12/21/18 16:50

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Job ID: 440-228639-2

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-228639-1**

Comments

No additional comments.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC Semi VOA

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-519893 and analytical batch 440-519989 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 440-519893 and analytical batch 440-519989 was outside control limits and not calculated for some analytes due to low recoveries. Sample matrix interference and non-homogeneity are suspected.

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

Organic Prep

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

Narrative

**Job Narrative
440-228639-2**

Comments

Partial report pending Asbestos.
Revision created to edit case narrative for Emlab P&K

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC/MS Semi VOA

Method(s) 8270C SIM: Internal standard response for Naphthalene-d8 was below acceptance limits for the following sample: (440-228515-D-1-B MS). The sample(s) shows evidence of matrix interference. The affected compounds are marked with an asterisk (*). If the matrix effect is isolated to Naphthalene-d8, then the effect on the associated compounds will be biased high.

Method(s) 8270C SIM: Surrogate recovery for the following samples were above control limits: (440-228515-D-1-D), (440-228515-D-1-B MS) and (440-228515-D-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Lead and Antimony for preparation batch 440-519588 and analytical batch 440-519917 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Job ID: 440-228639-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Method(s) 6010B: The continuing calibration blank (CCB) for analytical batch 440-519917 contained Antimony above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision and recoveries of Copper, Antimony and Zinc for preparation batch 440-519586 and analytical batch 440-519986 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The post digestion spike % recovery for Barium associated with batch 440-519986 was outside of control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The continuing calibration blank (CCB) for analytical batch 440-519986 contained Antimony above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-519419 and analytical batch 440-519650 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Subcontract non-Sister

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

Organic Prep

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

Narrative

Job Narrative 440-228639-3

Comments

No additional comments.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

Metals

Method(s) 6010B: The continuing calibration blank (CCB) for 440-521314 contained Lead above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL).(CCB 440-521314/49)

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

Narrative

Job Narrative 440-228639-5

Comments

No additional comments.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Job ID: 440-228639-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Metals

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

Organic Prep

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

Narrative

Job Narrative
440-228639-6

Comments

No additional comments.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

Metals

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

Organic Prep

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

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Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB69d0.5

Date Collected: 12/20/18 07:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-1

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	59		2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 19:33	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:12	20

Client Sample ID: SB69d1.5

Date Collected: 12/20/18 07:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-2

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 19:49	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:24	20

Client Sample ID: SB69d2.5

Date Collected: 12/20/18 07:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-3

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 19:52	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:27	20

Client Sample ID: SB33d0.5

Date Collected: 12/20/18 08:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-4

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 19:54	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:34	20

Client Sample ID: SB33d1.5

Date Collected: 12/20/18 08:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-5

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	74		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 19:56	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB33d1.5

Date Collected: 12/20/18 08:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-5

Matrix: Solid

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:37	20

Client Sample ID: SB33d2.5

Date Collected: 12/20/18 08:20

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-6

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.8	J	2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 19:59	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.96		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:39	20

Client Sample ID: SB32d0.5

Date Collected: 12/20/18 08:25

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-7

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Arsenic	1.6	J	3.0	1.5	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Barium	80		1.5	0.74	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Beryllium	0.38	J	0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Cadmium	0.27	J	0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Chromium	9.4		0.99	0.49	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Cobalt	4.2		0.99	0.49	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Copper	21		2.0	1.1	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Lead	37		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Nickel	5.3		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Vanadium	24		0.99	0.49	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Zinc	79		4.9	2.5	mg/Kg		12/27/18 12:16	12/28/18 20:01	5
Lead	37		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:01	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:41	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:02	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB31d0.5

Lab Sample ID: 440-228639-8

Date Collected: 12/20/18 08:30

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	59		45 - 120	12/26/18 06:27	12/26/18 20:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:03	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.5		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:44	20

Client Sample ID: SB32d1.5

Lab Sample ID: 440-228639-9

Date Collected: 12/20/18 08:35

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Arsenic	1.7	J	3.0	1.5	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Barium	71		1.5	0.75	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Beryllium	0.31	J	0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Chromium	10		1.0	0.50	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Cobalt	4.7		1.0	0.50	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Copper	9.2		2.0	1.1	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Lead	1.6	J	2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Nickel	5.7		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Silver	ND		1.5	0.89	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Thallium	ND		10	5.0	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Vanadium	29		1.0	0.50	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Zinc	29		5.0	2.5	mg/Kg		12/27/18 12:16	12/28/18 20:06	5
Lead	1.6	J	2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:06	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:46	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:04	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB31d1.5

Lab Sample ID: 440-228639-10

Date Collected: 12/20/18 08:40

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	69		45 - 120	12/26/18 06:27	12/26/18 20:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		2.0	0.99	mg/Kg		01/07/19 16:48	01/08/19 20:22	5
Lead	11		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:08	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:49	20

Client Sample ID: SB32d2.5

Lab Sample ID: 440-228639-11

Date Collected: 12/20/18 08:45

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Barium	76		1.5	0.75	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Beryllium	0.44	J	0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Chromium	12		1.0	0.50	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Cobalt	5.2		1.0	0.50	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Copper	10		2.0	1.1	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Lead	1.9	J	2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Nickel	6.3		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Silver	ND		1.5	0.89	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Thallium	ND		10	5.0	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Vanadium	33		1.0	0.50	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Zinc	33		5.0	2.5	mg/Kg		12/27/18 12:16	12/28/18 20:10	5
Lead	1.9	J	2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:10	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:51	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:06	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB31d2.5

Lab Sample ID: 440-228639-12

Date Collected: 12/20/18 08:50

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	84		45 - 120	12/26/18 06:27	12/26/18 20:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	J	2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 20:17	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.80		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:01	20

Client Sample ID: SB47d0.5

Lab Sample ID: 440-228639-13

Date Collected: 12/20/18 08:55

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	69		45 - 120	12/26/18 06:27	12/26/18 20:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73		2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 20:19	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:04	20

Client Sample ID: SB48d0.5

Lab Sample ID: 440-228639-14

Date Collected: 12/20/18 09:00

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61		2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 20:22	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB48d0.5
Date Collected: 12/20/18 09:00
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-14
Matrix: Solid

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:06	20

Client Sample ID: SB47d1.5
Date Collected: 12/20/18 09:05
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	82		45 - 120	12/26/18 06:27	12/26/18 21:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	63		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:24	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:08	20

Client Sample ID: SB48d1.5
Date Collected: 12/20/18 09:10
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-16
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	230		2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 20:26	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.072	J	0.10	0.040	mg/L		01/28/19 09:02	01/29/19 15:07	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	54		0.10	0.080	mg/L			01/21/19 08:47	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:11	20

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB48d2.5

Date Collected: 12/20/18 09:15

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-17

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6		2.0	0.98	mg/Kg		12/27/18 12:16	12/28/18 20:29	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:13	20

Client Sample ID: SB47d2.5

Date Collected: 12/20/18 09:20

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-18

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		45 - 120	12/26/18 06:27	12/26/18 21:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	100		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:31	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:16	20

Client Sample ID: SB49d0.5

Date Collected: 12/20/18 09:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-19

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 20:33	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:18	20

Client Sample ID: SB50d0.5

Date Collected: 12/20/18 09:35

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	70		2.0	1.0	mg/Kg		12/27/18 12:16	12/28/18 20:36	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB50d0.5

Date Collected: 12/20/18 09:35

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-20

Matrix: Solid

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1		0.50	0.25	mg/Kg		12/27/18 12:16	12/28/18 14:20	20

Client Sample ID: SB50d1.5

Date Collected: 12/20/18 09:45

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-21

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170	F1	2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 20:47	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.10	0.080	mg/L			01/21/19 08:56	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 14:45	20

Client Sample ID: SB49d1.5

Date Collected: 12/20/18 09:50

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-22

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	220		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 20:59	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.34		0.10	0.040	mg/L		01/28/19 09:02	01/29/19 15:09	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		0.10	0.080	mg/L			01/21/19 08:58	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 14:57	20

Client Sample ID: SB49d2.5

Date Collected: 12/20/18 09:55

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-23

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:01	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 14:59	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB50d2.5

Lab Sample ID: 440-228639-24

Date Collected: 12/20/18 10:00

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/31/18 11:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	95		29 - 120				12/26/18 07:02	12/31/18 11:45	1
Nitrobenzene-d5	84		11 - 118				12/26/18 07:02	12/31/18 11:45	1
Terphenyl-d14	91		10 - 120				12/26/18 07:02	12/31/18 11:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.5		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:04	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:02	20

Client Sample ID: SB51d0.5

Lab Sample ID: 440-228639-25

Date Collected: 12/20/18 10:10

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Aroclor 1260	21	J	50	17	ug/Kg		12/26/18 06:27	12/26/18 21:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78		45 - 120				12/26/18 06:27	12/26/18 21:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	62		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:10	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB51d0.5

Date Collected: 12/20/18 10:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-25

Matrix: Solid

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:09	20

Client Sample ID: SB52d0.5

Date Collected: 12/20/18 10:20

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-26

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Arsenic	4.2		3.0	1.5	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Barium	150		1.5	0.75	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Beryllium	0.33	J	0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Cadmium	0.50		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Chromium	15		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Cobalt	5.8		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Copper	45		2.0	1.1	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Lead	170		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Nickel	8.4		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Silver	ND		1.5	0.89	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Thallium	ND		10	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Vanadium	33		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Zinc	220		5.0	2.5	mg/Kg		12/27/18 12:18	12/28/18 21:13	5
Lead	170		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:13	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.5		0.10	0.080	mg/L			01/21/19 09:01	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:11	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:07	1

Client Sample ID: SB52d1.5

Date Collected: 12/20/18 10:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-27

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Arsenic	1.5	J	3.0	1.5	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Barium	60		1.5	0.74	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Beryllium	0.30	J	0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Chromium	9.6		0.99	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Cobalt	4.5		0.99	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:15	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB52d1.5

Lab Sample ID: 440-228639-27

Date Collected: 12/20/18 10:30

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	9.0		2.0	1.1	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Lead	2.1		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Nickel	5.2		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Thallium	ND		9.9	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Vanadium	27		0.99	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Zinc	30		5.0	2.5	mg/Kg		12/27/18 12:18	12/28/18 21:15	5
Lead	2.1		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:15	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:14	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:09	1

Client Sample ID: SB51d1.5

Lab Sample ID: 440-228639-28

Date Collected: 12/20/18 10:40

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	98		45 - 120	12/26/18 06:27	12/26/18 21:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:17	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:16	20

Client Sample ID: SB51d2.5

Lab Sample ID: 440-228639-29

Date Collected: 12/20/18 10:45

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB51d2.5

Lab Sample ID: 440-228639-29

Date Collected: 12/20/18 10:45

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		45 - 120	12/26/18 06:27	12/26/18 22:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:20	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.10	0.080	mg/L			01/21/19 09:03	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:19	20

Client Sample ID: SB52d2.5

Lab Sample ID: 440-228639-30

Date Collected: 12/20/18 10:50

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.8	4.9	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Arsenic	ND		2.9	1.5	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Barium	64		1.5	0.74	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Beryllium	0.27	J	0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Cadmium	ND		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Chromium	9.8		0.98	0.49	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Cobalt	4.4		0.98	0.49	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Copper	7.8		2.0	1.1	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Lead	1.5	J	2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Molybdenum	ND		2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Nickel	5.2		2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Selenium	ND		2.9	1.7	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Silver	ND		1.5	0.87	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Thallium	ND		9.8	4.9	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Vanadium	27		0.98	0.49	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Zinc	27		4.9	2.5	mg/Kg		12/27/18 12:18	12/28/18 21:22	5
Lead	1.5	J	2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:22	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.95		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:21	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB52d2.5

Date Collected: 12/20/18 10:50

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-30

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:11	1

Client Sample ID: SB53d0.5

Date Collected: 12/20/18 11:45

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-31

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	38		2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:24	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:23	20

Client Sample ID: SB54d0.5

Date Collected: 12/20/18 11:50

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-32

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:26	20

Client Sample ID: SB53d1.5

Date Collected: 12/20/18 12:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-33

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.7		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 21:29	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:28	20

Client Sample ID: SB54d1.5

Date Collected: 12/20/18 12:05

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-34

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.5		2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:36	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:31	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB53d2.5

Date Collected: 12/20/18 12:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-35

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0		2.0	0.98	mg/Kg		12/27/18 12:18	12/28/18 21:38	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:38	20

Client Sample ID: SB54d2.5

Date Collected: 12/20/18 12:15

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-36

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:41	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:40	20

Client Sample ID: SB55d0.5

Date Collected: 12/20/18 12:25

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-37

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.4		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:43	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:43	20

Client Sample ID: SB20d0.5

Date Collected: 12/20/18 12:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-38

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Arsenic	3.5		3.0	1.5	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Barium	110		1.5	0.75	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Beryllium	0.47	J	0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Cadmium	0.36	J	0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Chromium	15		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Cobalt	6.9		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Copper	19		2.0	1.1	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Lead	35		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Nickel	9.7		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Silver	ND		1.5	0.89	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Thallium	ND		10	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Vanadium	36		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:45	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB20d0.5

Lab Sample ID: 440-228639-38

Date Collected: 12/20/18 12:30

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	81		5.0	2.5	mg/Kg		12/27/18 12:18	12/28/18 21:45	5
Lead	35		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:45	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:45	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:13	1

Client Sample ID: SB55d1.5

Lab Sample ID: 440-228639-39

Date Collected: 12/20/18 12:35

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:48	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:48	20

Client Sample ID: SB20d1.5

Lab Sample ID: 440-228639-40

Date Collected: 12/20/18 12:40

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Arsenic	4.4		3.0	1.5	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Barium	74		1.5	0.75	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Beryllium	0.34	J	0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Chromium	11		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Cobalt	5.2		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Copper	10		2.0	1.1	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Lead	2.7		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Nickel	6.7		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Silver	ND		1.5	0.89	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Thallium	ND		10	5.0	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Vanadium	31		1.0	0.50	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Zinc	35		5.0	2.5	mg/Kg		12/27/18 12:18	12/28/18 21:50	5
Lead	2.7		2.0	1.0	mg/Kg		12/27/18 12:18	12/28/18 21:50	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		0.50	0.25	mg/Kg		12/27/18 12:18	12/28/18 15:50	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB20d1.5
Date Collected: 12/20/18 12:40
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-40
Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:15	1

Client Sample ID: SB20d2.5
Date Collected: 12/20/18 12:40
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-41
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9	J	2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 15:07	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:34	20

Client Sample ID: SB55d2.5
Date Collected: 12/20/18 12:45
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-42
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:09	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:36	20

Client Sample ID: SB21d0.5
Date Collected: 12/20/18 12:55
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	60		45 - 120	12/26/18 06:27	12/26/18 22:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Arsenic	2.9	J	3.0	1.5	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Barium	96		1.5	0.74	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Beryllium	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Cadmium	0.35	J	0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Chromium	14		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 14:55	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB21d0.5

Lab Sample ID: 440-228639-43

Date Collected: 12/20/18 12:55

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.9		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Copper	20		2.0	1.1	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Lead	53		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Nickel	8.2		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Thallium	ND		9.9	5.0	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Vanadium	32		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Zinc	89		5.0	2.5	mg/Kg		12/27/18 12:21	12/28/18 14:55	5
Lead	53	F1	2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:23	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:16	1

Client Sample ID: SB22d0.5

Lab Sample ID: 440-228639-44

Date Collected: 12/20/18 13:00

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:16	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:38	20

Client Sample ID: SB23d0.5

Lab Sample ID: 440-228639-49

Date Collected: 12/20/18 13:35

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB23d0.5

Lab Sample ID: 440-228639-49

Date Collected: 12/20/18 13:35

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	103		29 - 120				12/26/18 07:02	12/27/18 17:57	1
Nitrobenzene-d5	98		11 - 118				12/26/18 07:02	12/27/18 17:57	1
Terphenyl-d14	97		10 - 120				12/26/18 07:02	12/27/18 17:57	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:52	20

Client Sample ID: SB24d0.5

Lab Sample ID: 440-228639-50

Date Collected: 12/20/18 13:40

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	98		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 15:30	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:54	20

Client Sample ID: SB23d1.5

Lab Sample ID: 440-228639-51

Date Collected: 12/20/18 13:45

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:21	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB23d1.5

Lab Sample ID: 440-228639-51

Date Collected: 12/20/18 13:45

Matrix: Solid

Date Received: 12/21/18 16:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		29 - 120	12/26/18 07:02	12/27/18 18:21	1
Nitrobenzene-d5	86		11 - 118	12/26/18 07:02	12/27/18 18:21	1
Terphenyl-d14	82		10 - 120	12/26/18 07:02	12/27/18 18:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Barium	67		1.5	0.74	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Beryllium	ND		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Cadmium	ND		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Chromium	8.7		0.99	0.49	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Cobalt	4.2		0.99	0.49	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Copper	8.8		2.0	1.1	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Lead	6.9		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Nickel	5.1		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Vanadium	26		0.99	0.49	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Zinc	41		4.9	2.5	mg/Kg		12/27/18 12:21	12/28/18 15:32	5
Lead	6.9		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:32	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:56	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:18	1

Client Sample ID: SB24d1.5

Lab Sample ID: 440-228639-52

Date Collected: 12/20/18 13:50

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:34	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:58	20

Client Sample ID: SB23d2.5

Lab Sample ID: 440-228639-53

Date Collected: 12/20/18 13:55

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB23d2.5

Lab Sample ID: 440-228639-53

Date Collected: 12/20/18 13:55

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Benzo[a]anthracene	4.0	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Benzo[a]pyrene	5.4	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Benzo[b]fluoranthene	7.6	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Benzo[g,h,i]perylene	4.9	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Chrysene	4.7	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Fluoranthene	8.7	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Indeno[1,2,3-cd]pyrene	4.3	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Pyrene	11	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	97		29 - 120				12/26/18 07:02	12/27/18 18:45	1
Nitrobenzene-d5	86		11 - 118				12/26/18 07:02	12/27/18 18:45	1
Terphenyl-d14	92		10 - 120				12/26/18 07:02	12/27/18 18:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Barium	64		1.5	0.74	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Beryllium	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Chromium	8.7		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Cobalt	3.9		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Copper	8.9		2.0	1.1	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Lead	10		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Nickel	4.5		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Thallium	ND		9.9	5.0	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Vanadium	24		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Zinc	38		5.0	2.5	mg/Kg		12/27/18 12:21	12/28/18 15:44	5
Lead	10		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:44	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:00	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:24	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB24d2.5

Date Collected: 12/20/18 14:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-54

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9	J	2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 15:46	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:02	20

Client Sample ID: SB04d0.5

Date Collected: 12/20/18 14:05

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-55

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 15:48	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:09	20

Client Sample ID: SB04d1.5

Date Collected: 12/20/18 14:15

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-56

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31		2.0	0.98	mg/Kg		12/27/18 12:21	12/28/18 15:50	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:11	20

Client Sample ID: SB03d0.5

Date Collected: 12/20/18 14:20

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-57

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Benzo[a]anthracene	6.5	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Benzo[a]pyrene	7.4	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Benzo[b]fluoranthene	9.9	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Benzo[g,h,i]perylene	4.9	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Chrysene	6.4	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Fluoranthene	14	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Indeno[1,2,3-cd]pyrene	4.2	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1
Phenanthrene	6.1	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB03d0.5

Lab Sample ID: 440-228639-57

Date Collected: 12/20/18 14:20

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	15	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	98		29 - 120	12/26/18 07:02	12/27/18 19:10	1
Nitrobenzene-d5	89		11 - 118	12/26/18 07:02	12/27/18 19:10	1
Terphenyl-d14	92		10 - 120	12/26/18 07:02	12/27/18 19:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Arsenic	3.3		3.0	1.5	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Barium	110		1.5	0.74	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Beryllium	0.41	J	0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Cadmium	0.25	J	0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Chromium	16		0.99	0.49	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Cobalt	6.6		0.99	0.49	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Copper	17		2.0	1.1	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Lead	13		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Nickel	10		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Vanadium	37		0.99	0.49	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Zinc	50		4.9	2.5	mg/Kg		12/27/18 12:21	12/28/18 15:53	5
Lead	13		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:53	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:13	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:25	1

Client Sample ID: SB04d2.5

Lab Sample ID: 440-228639-58

Date Collected: 12/20/18 14:25

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:15	20

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB02d0.5

Lab Sample ID: 440-228639-59

Date Collected: 12/20/18 14:30

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:57	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:17	20

Client Sample ID: SB03d1.5

Lab Sample ID: 440-228639-60

Date Collected: 12/20/18 14:35

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	110		29 - 120	12/26/18 07:02	12/27/18 19:34	1
Nitrobenzene-d5	101		11 - 118	12/26/18 07:02	12/27/18 19:34	1
Terphenyl-d14	99		10 - 120	12/26/18 07:02	12/27/18 19:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Arsenic	2.2	J	3.0	1.5	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Barium	110		1.5	0.75	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Beryllium	0.37	J	0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Chromium	14		1.0	0.50	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Cobalt	6.6		1.0	0.50	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Copper	15		2.0	1.1	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Lead	4.5		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Nickel	8.2		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Silver	ND		1.5	0.89	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Thallium	ND		10	5.0	mg/Kg		12/27/18 12:21	12/28/18 16:00	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB03d1.5

Lab Sample ID: 440-228639-60

Date Collected: 12/20/18 14:35

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	44		1.0	0.50	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Zinc	42		5.0	2.5	mg/Kg		12/27/18 12:21	12/28/18 16:00	5
Lead	4.5		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 16:00	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 16:19	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 05:27	1

Client Sample ID: SB03d2.5

Lab Sample ID: 440-228639-61

Date Collected: 12/20/18 14:44

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		29 - 120	12/26/18 07:02	12/27/18 19:59	1
Nitrobenzene-d5	83		11 - 118	12/26/18 07:02	12/27/18 19:59	1
Terphenyl-d14	79		10 - 120	12/26/18 07:02	12/27/18 19:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		2.0	1.0	mg/Kg		12/27/18 12:21	12/28/18 15:18	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:44	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: Duplicate 1

Date Collected: 12/20/18 15:15

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-62

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 15:20	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:46	20

Client Sample ID: Duplicate 2

Date Collected: 12/20/18 15:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-63

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	81		2.0	0.98	mg/Kg		12/27/18 12:21	12/28/18 15:23	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.49	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:48	20

Client Sample ID: EQ Blank

Date Collected: 12/20/18 15:35

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-64

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/27/18 10:47	12/28/18 12:31	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/27/18 10:56	12/27/18 22:12	1

Client Sample ID: SB31,32,33,34 0 to 0.5 Composite

Date Collected: 12/20/18 08:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-69

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
4,4'-DDE	2.7	J	4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
4,4'-DDT	10		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Chlordane (technical)	13	J	49	9.7	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
delta-BHC	ND		9.7	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Endosulfan sulfate	ND		9.7	1.9	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Endrin ketone	ND		4.9	1.9	ug/Kg		12/28/18 06:46	12/29/18 17:00	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB31,32,33,34 0 to 0.5 Composite

Lab Sample ID: 440-228639-69

Date Collected: 12/20/18 08:30

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Heptachlor	ND		4.9	1.9	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Heptachlor epoxide	ND		4.9	1.9	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Toxaphene	ND		190	49	ug/Kg		12/28/18 06:46	12/29/18 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	62		28 - 115				12/28/18 06:46	12/29/18 17:00	1
DCB Decachlorobiphenyl (Surr)	47		21 - 117				12/28/18 06:46	12/29/18 17:00	1

Client Sample ID: SB46,47,48 0 to 0.5 Composite

Lab Sample ID: 440-228639-70

Date Collected: 12/20/18 09:00

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
4,4'-DDE	2.9	J	4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
4,4'-DDT	2.0	J	4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Chlordane (technical)	ND		49	9.9	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Endrin ketone	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Heptachlor	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Toxaphene	ND		200	49	ug/Kg		12/28/18 14:58	12/29/18 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	31		28 - 115				12/28/18 14:58	12/29/18 22:58	1
DCB Decachlorobiphenyl (Surr)	27		21 - 117				12/28/18 14:58	12/29/18 22:58	1

Client Sample ID: SB49,50,51,52 0 to 0.5 Composite

Lab Sample ID: 440-228639-71

Date Collected: 12/20/18 10:20

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
4,4'-DDE	4.7	J	4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
4,4'-DDT	8.4		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB49,50,51,52 0 to 0.5 Composite

Lab Sample ID: 440-228639-71

Date Collected: 12/20/18 10:20

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Chlordane (technical)	44	J	49	9.8	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
delta-BHC	ND		9.8	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Endrin ketone	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Heptachlor	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Toxaphene	ND		200	49	ug/Kg		12/28/18 06:46	12/29/18 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	64		28 - 115				12/28/18 06:46	12/29/18 17:15	1
<i>DCB Decachlorobiphenyl (Surr)</i>	78		21 - 117				12/28/18 06:46	12/29/18 17:15	1

Client Sample ID: SB53,54,55 0 to 0.5 Composite

Lab Sample ID: 440-228639-72

Date Collected: 12/20/18 12:25

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Chlordane (technical)	ND		50	9.9	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:06	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 16:06	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB53,54,55 0 to 0.5 Composite

Date Collected: 12/20/18 12:25

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-72

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	33		28 - 115	12/28/18 14:58	12/29/18 16:06	1
DCB Decachlorobiphenyl (Surr)	25		21 - 117	12/28/18 14:58	12/29/18 16:06	1

Client Sample ID: SB20,21,22,23 0 to 0.5 Composite

Date Collected: 12/20/18 13:35

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-73

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Chlordane (technical)	ND		50	9.9	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 17:30	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		28 - 115	12/28/18 06:46	12/29/18 17:30	1
DCB Decachlorobiphenyl (Surr)	47		21 - 117	12/28/18 06:46	12/29/18 17:30	1

Client Sample ID: SB17,18,19,24 0 to 0.5 composite

Date Collected: 12/21/18 13:40

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-74

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
4,4'-DDE	1.6	J	5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
4,4'-DDT	3.5	J	5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Chlordane (technical)	14	J	50	9.9	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB17,18,19,24 0 to 0.5 composite

Lab Sample ID: 440-228639-74

Date Collected: 12/21/18 13:40

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	54		28 - 115				12/28/18 14:58	12/29/18 16:32	1
<i>DCB Decachlorobiphenyl (Surr)</i>	69		21 - 117				12/28/18 14:58	12/29/18 16:32	1

Client Sample ID: SB01,02,03,04 0 to 0.5 Composite

Lab Sample ID: 440-228639-75

Date Collected: 12/20/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Aldrin	ND	F2	5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
delta-BHC	ND	F1	10	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Endosulfan I	ND	F1	5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Endosulfan II	ND	F1	5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Endosulfan sulfate	ND	F1	10	2.0	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
gamma-BHC (Lindane)	ND	F1	5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Heptachlor	ND	F1	5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	38		28 - 115				12/28/18 14:58	12/29/18 15:15	1
<i>DCB Decachlorobiphenyl (Surr)</i>	38		21 - 117				12/28/18 14:58	12/29/18 15:15	1

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method	Method Description	Protocol	Laboratory
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
6020	Metals (ICP/MS)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
Subcontract	Asbestos PLM Bulk 600/R-93/116 (no grinding)	None	EMLab
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

None = None

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

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB69d0.5

Date Collected: 12/20/18 07:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 19:33	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:12	B1H	TAL IRV

Client Sample ID: SB69d1.5

Date Collected: 12/20/18 07:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 19:49	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:24	B1H	TAL IRV

Client Sample ID: SB69d2.5

Date Collected: 12/20/18 07:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 19:52	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:27	B1H	TAL IRV

Client Sample ID: SB33d0.5

Date Collected: 12/20/18 08:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 19:54	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:34	B1H	TAL IRV

Client Sample ID: SB33d1.5

Date Collected: 12/20/18 08:10

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 19:56	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB33d1.5

Lab Sample ID: 440-228639-5

Date Collected: 12/20/18 08:10

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		20			519890	12/28/18 13:37	B1H	TAL IRV

Client Sample ID: SB33d2.5

Lab Sample ID: 440-228639-6

Date Collected: 12/20/18 08:20

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 19:59	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:39	B1H	TAL IRV

Client Sample ID: SB32d0.5

Lab Sample ID: 440-228639-7

Date Collected: 12/20/18 08:25

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:01	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:41	B1H	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:02	DB	TAL IRV

Client Sample ID: SB31d0.5

Lab Sample ID: 440-228639-8

Date Collected: 12/20/18 08:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 20:06	JM	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:03	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:44	B1H	TAL IRV

Client Sample ID: SB32d1.5

Lab Sample ID: 440-228639-9

Date Collected: 12/20/18 08:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:06	VS	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB32d1.5

Lab Sample ID: 440-228639-9

Date Collected: 12/20/18 08:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:46	B1H	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:04	DB	TAL IRV

Client Sample ID: SB31d1.5

Lab Sample ID: 440-228639-10

Date Collected: 12/20/18 08:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 20:21	JM	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:08	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	521058	01/07/19 16:48	DEG	TAL IRV
Total/NA	Analysis	6010B		5			521314	01/08/19 20:22	P1R	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:49	B1H	TAL IRV

Client Sample ID: SB32d2.5

Lab Sample ID: 440-228639-11

Date Collected: 12/20/18 08:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:10	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 13:51	B1H	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:06	DB	TAL IRV

Client Sample ID: SB31d2.5

Lab Sample ID: 440-228639-12

Date Collected: 12/20/18 08:50

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 20:35	JM	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:17	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:01	B1H	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB47d0.5

Lab Sample ID: 440-228639-13

Date Collected: 12/20/18 08:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 20:50	JM	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:19	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:04	B1H	TAL IRV

Client Sample ID: SB48d0.5

Lab Sample ID: 440-228639-14

Date Collected: 12/20/18 09:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:22	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:06	B1H	TAL IRV

Client Sample ID: SB47d1.5

Lab Sample ID: 440-228639-15

Date Collected: 12/20/18 09:05

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 21:04	JM	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:24	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:08	B1H	TAL IRV

Client Sample ID: SB48d1.5

Lab Sample ID: 440-228639-16

Date Collected: 12/20/18 09:10

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	523505	01/18/19 16:50	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			523743	01/21/19 08:47	VS	TAL IRV
TCLP	Leach	1311			99.98 g	2000 mL	525175	01/27/19 11:00	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	525273	01/28/19 09:02	CDH	TAL IRV
TCLP	Analysis	6010B		1			525635	01/29/19 15:07	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:26	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:11	B1H	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB48d2.5

Lab Sample ID: 440-228639-17

Date Collected: 12/20/18 09:15

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:29	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:13	B1H	TAL IRV

Client Sample ID: SB47d2.5

Lab Sample ID: 440-228639-18

Date Collected: 12/20/18 09:20

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 21:19	JM	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:31	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:16	B1H	TAL IRV

Client Sample ID: SB49d0.5

Lab Sample ID: 440-228639-19

Date Collected: 12/20/18 09:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:33	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:18	B1H	TAL IRV

Client Sample ID: SB50d0.5

Lab Sample ID: 440-228639-20

Date Collected: 12/20/18 09:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:36	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519586	12/27/18 12:16	DT	TAL IRV
Total/NA	Analysis	6020		20			519890	12/28/18 14:20	B1H	TAL IRV

Client Sample ID: SB50d1.5

Lab Sample ID: 440-228639-21

Date Collected: 12/20/18 09:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	523505	01/18/19 16:50	CDH	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB50d1.5

Lab Sample ID: 440-228639-21

Date Collected: 12/20/18 09:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Analysis	6010B		20			523743	01/21/19 08:56	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:47	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 14:45	MQP	TAL IRV

Client Sample ID: SB49d1.5

Lab Sample ID: 440-228639-22

Date Collected: 12/20/18 09:50

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	523505	01/18/19 16:50	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			523743	01/21/19 08:58	VS	TAL IRV
TCLP	Leach	1311			99.92 g	2000 mL	525175	01/27/19 11:00	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	525273	01/28/19 09:02	CDH	TAL IRV
TCLP	Analysis	6010B		1			525635	01/29/19 15:09	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 20:59	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 14:57	MQP	TAL IRV

Client Sample ID: SB49d2.5

Lab Sample ID: 440-228639-23

Date Collected: 12/20/18 09:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:01	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 14:59	MQP	TAL IRV

Client Sample ID: SB50d2.5

Lab Sample ID: 440-228639-24

Date Collected: 12/20/18 10:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			520151	12/31/18 11:45	HN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:04	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:02	MQP	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB51d0.5

Lab Sample ID: 440-228639-25

Date Collected: 12/20/18 10:10

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 21:33	JM	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:10	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:09	MQP	TAL IRV

Client Sample ID: SB52d0.5

Lab Sample ID: 440-228639-26

Date Collected: 12/20/18 10:20

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	523505	01/18/19 16:50	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			523743	01/21/19 09:01	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:13	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:11	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:07	DB	TAL IRV

Client Sample ID: SB52d1.5

Lab Sample ID: 440-228639-27

Date Collected: 12/20/18 10:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:15	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:14	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:09	DB	TAL IRV

Client Sample ID: SB51d1.5

Lab Sample ID: 440-228639-28

Date Collected: 12/20/18 10:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 21:48	JM	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:17	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB51d1.5

Date Collected: 12/20/18 10:40

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		20			519912	12/28/18 15:16	MQP	TAL IRV

Client Sample ID: SB51d2.5

Date Collected: 12/20/18 10:45

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 22:02	JM	TAL IRV
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	523505	01/18/19 16:50	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			523743	01/21/19 09:03	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:20	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:19	MQP	TAL IRV

Client Sample ID: SB52d2.5

Date Collected: 12/20/18 10:50

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:22	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:21	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:11	DB	TAL IRV

Client Sample ID: SB53d0.5

Date Collected: 12/20/18 11:45

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:24	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:23	MQP	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB54d0.5

Lab Sample ID: 440-228639-32

Date Collected: 12/20/18 11:50

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:27	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:26	MQP	TAL IRV

Client Sample ID: SB53d1.5

Lab Sample ID: 440-228639-33

Date Collected: 12/20/18 12:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:29	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:28	MQP	TAL IRV

Client Sample ID: SB54d1.5

Lab Sample ID: 440-228639-34

Date Collected: 12/20/18 12:05

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:36	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:31	MQP	TAL IRV

Client Sample ID: SB53d2.5

Lab Sample ID: 440-228639-35

Date Collected: 12/20/18 12:10

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:38	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:38	MQP	TAL IRV

Client Sample ID: SB54d2.5

Lab Sample ID: 440-228639-36

Date Collected: 12/20/18 12:15

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:41	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB54d2.5

Lab Sample ID: 440-228639-36

Date Collected: 12/20/18 12:15

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		20			519912	12/28/18 15:40	MQP	TAL IRV

Client Sample ID: SB55d0.5

Lab Sample ID: 440-228639-37

Date Collected: 12/20/18 12:25

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:43	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:43	MQP	TAL IRV

Client Sample ID: SB20d0.5

Lab Sample ID: 440-228639-38

Date Collected: 12/20/18 12:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:45	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:45	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:13	DB	TAL IRV

Client Sample ID: SB55d1.5

Lab Sample ID: 440-228639-39

Date Collected: 12/20/18 12:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:48	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:48	MQP	TAL IRV

Client Sample ID: SB20d1.5

Lab Sample ID: 440-228639-40

Date Collected: 12/20/18 12:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6010B		5			519986	12/28/18 21:50	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519587	12/27/18 12:18	DT	TAL IRV
Total/NA	Analysis	6020		20			519912	12/28/18 15:50	MQP	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB20d1.5

Lab Sample ID: 440-228639-40

Date Collected: 12/20/18 12:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:15	DB	TAL IRV

Client Sample ID: SB20d2.5

Lab Sample ID: 440-228639-41

Date Collected: 12/20/18 12:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:07	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:34	MQP	TAL IRV

Client Sample ID: SB55d2.5

Lab Sample ID: 440-228639-42

Date Collected: 12/20/18 12:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:09	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:36	MQP	TAL IRV

Client Sample ID: SB21d0.5

Lab Sample ID: 440-228639-43

Date Collected: 12/20/18 12:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519323	12/26/18 22:44	JM	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 14:55	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:23	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:16	DB	TAL IRV

Client Sample ID: SB22d0.5

Lab Sample ID: 440-228639-44

Date Collected: 12/20/18 13:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB22d0.5

Lab Sample ID: 440-228639-44

Date Collected: 12/20/18 13:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			519917	12/28/18 15:16	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:38	MQP	TAL IRV

Client Sample ID: SB23d0.5

Lab Sample ID: 440-228639-49

Date Collected: 12/20/18 13:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 17:57	HN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:27	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:52	MQP	TAL IRV

Client Sample ID: SB24d0.5

Lab Sample ID: 440-228639-50

Date Collected: 12/20/18 13:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:30	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:54	MQP	TAL IRV

Client Sample ID: SB23d1.5

Lab Sample ID: 440-228639-51

Date Collected: 12/20/18 13:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 18:21	HN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:32	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:56	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:18	DB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB24d1.5

Lab Sample ID: 440-228639-52

Date Collected: 12/20/18 13:50

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:34	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:58	MQP	TAL IRV

Client Sample ID: SB23d2.5

Lab Sample ID: 440-228639-53

Date Collected: 12/20/18 13:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 18:45	HN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:44	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:00	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:24	DB	TAL IRV

Client Sample ID: SB24d2.5

Lab Sample ID: 440-228639-54

Date Collected: 12/20/18 14:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:46	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:02	MQP	TAL IRV

Client Sample ID: SB04d0.5

Lab Sample ID: 440-228639-55

Date Collected: 12/20/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:48	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:09	MQP	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB04d1.5

Lab Sample ID: 440-228639-56

Date Collected: 12/20/18 14:15

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:50	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:11	MQP	TAL IRV

Client Sample ID: SB03d0.5

Lab Sample ID: 440-228639-57

Date Collected: 12/20/18 14:20

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 19:10	HN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:53	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:13	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:25	DB	TAL IRV

Client Sample ID: SB04d2.5

Lab Sample ID: 440-228639-58

Date Collected: 12/20/18 14:25

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:55	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:15	MQP	TAL IRV

Client Sample ID: SB02d0.5

Lab Sample ID: 440-228639-59

Date Collected: 12/20/18 14:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:57	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:17	MQP	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB03d1.5

Lab Sample ID: 440-228639-60

Date Collected: 12/20/18 14:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 19:34	HN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 16:00	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 16:19	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 05:27	DB	TAL IRV

Client Sample ID: SB03d2.5

Lab Sample ID: 440-228639-61

Date Collected: 12/20/18 14:44

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 19:59	HN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:18	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:44	MQP	TAL IRV

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228639-62

Date Collected: 12/20/18 15:15

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:20	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:46	MQP	TAL IRV

Client Sample ID: Duplicate 2

Lab Sample ID: 440-228639-63

Date Collected: 12/20/18 15:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6010B		5			519917	12/28/18 15:23	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519588	12/27/18 12:21	DT	TAL IRV
Total/NA	Analysis	6020		20			519919	12/28/18 15:48	MQP	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: EQ Blank

Date Collected: 12/20/18 15:35
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-64

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	519540	12/27/18 10:47	KE	TAL IRV
Total Recoverable	Analysis	6010B		1			519867	12/28/18 12:31	VS	TAL IRV
Total Recoverable	Prep	3005A			25 mL	25 mL	519544	12/27/18 10:56	KE	TAL IRV
Total Recoverable	Analysis	6020		1			519731	12/27/18 22:12	P1R	TAL IRV

Client Sample ID: SB31,32,33,34 0 to 0.5 Composite

Date Collected: 12/20/18 08:30
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-69

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 17:00	D1D	TAL IRV

Client Sample ID: SB46,47,48 0 to 0.5 Composite

Date Collected: 12/20/18 09:00
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-70

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 22:58	D1D	TAL IRV

Client Sample ID: SB49,50,51,52 0 to 0.5 Composite

Date Collected: 12/20/18 10:20
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-71

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.25 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 17:15	D1D	TAL IRV

Client Sample ID: SB53,54,55 0 to 0.5 Composite

Date Collected: 12/20/18 12:25
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-72

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 16:06	D1D	TAL IRV

Client Sample ID: SB20,21,22,23 0 to 0.5 Composite

Date Collected: 12/20/18 13:35
Date Received: 12/21/18 16:50

Lab Sample ID: 440-228639-73

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Client Sample ID: SB20,21,22,23 0 to 0.5 Composite

Lab Sample ID: 440-228639-73

Date Collected: 12/20/18 13:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081A		1			519988	12/29/18 17:30	D1D	TAL IRV

Client Sample ID: SB17,18,19,24 0 to 0.5 composite

Lab Sample ID: 440-228639-74

Date Collected: 12/21/18 13:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 16:32	D1D	TAL IRV

Client Sample ID: SB01,02,03,04 0 to 0.5 Composite

Lab Sample ID: 440-228639-75

Date Collected: 12/20/18 14:05

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 15:15	D1D	TAL IRV

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: MB 440-519234/1-A
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	91		29 - 120	12/26/18 07:02	12/30/18 13:13	1
Nitrobenzene-d5	79		11 - 118	12/26/18 07:02	12/30/18 13:13	1
Terphenyl-d14	88		10 - 120	12/26/18 07:02	12/30/18 13:13	1

Lab Sample ID: LCS 440-519234/2-A
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	66.7	56.5		ug/Kg		85	48 - 120
Acenaphthylene	66.7	57.6		ug/Kg		86	47 - 120
Anthracene	66.7	57.2		ug/Kg		86	46 - 120
Benzo[a]anthracene	66.7	55.9		ug/Kg		84	48 - 120
Benzo[a]pyrene	66.7	55.0		ug/Kg		82	48 - 120
Benzo[b]fluoranthene	66.7	53.8		ug/Kg		81	49 - 120
Benzo[g,h,i]perylene	66.7	59.3		ug/Kg		89	38 - 127
Benzo[k]fluoranthene	66.7	57.5		ug/Kg		86	48 - 120
Chrysene	66.7	56.6		ug/Kg		85	48 - 120
Dibenz(a,h)anthracene	66.7	58.0		ug/Kg		87	39 - 120
Fluoranthene	66.7	62.7		ug/Kg		94	46 - 120
Fluorene	66.7	61.3		ug/Kg		92	47 - 120
Indeno[1,2,3-cd]pyrene	66.7	73.9		ug/Kg		111	42 - 120
Naphthalene	66.7	55.6		ug/Kg		83	46 - 120
Phenanthrene	66.7	58.7		ug/Kg		88	47 - 120
Pyrene	66.7	63.6		ug/Kg		95	46 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	94		29 - 120
Nitrobenzene-d5	81		11 - 118

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: LCS 440-519234/2-A
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519234

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	93		10 - 120

Lab Sample ID: 440-228515-D-1-B MS
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	ND		66.5	63.0		ug/Kg		95	10 - 150
Acenaphthylene	ND		66.5	62.9		ug/Kg		94	23 - 114
Anthracene	ND		66.5	62.2		ug/Kg		93	10 - 150
Benzo[a]anthracene	ND		66.5	59.3		ug/Kg		89	10 - 150
Benzo[a]pyrene	ND		66.5	55.6		ug/Kg		84	10 - 150
Benzo[b]fluoranthene	ND		66.5	54.2		ug/Kg		81	10 - 150
Benzo[g,h,i]perylene	ND		66.5	60.1		ug/Kg		90	10 - 143
Benzo[k]fluoranthene	ND		66.5	56.7		ug/Kg		85	10 - 150
Chrysene	ND		66.5	58.5		ug/Kg		88	10 - 150
Dibenz(a,h)anthracene	ND		66.5	59.9		ug/Kg		90	10 - 127
Fluoranthene	ND		66.5	70.3		ug/Kg		106	10 - 150
Fluorene	ND		66.5	73.1		ug/Kg		110	10 - 150
Indeno[1,2,3-cd]pyrene	ND		66.5	56.6		ug/Kg		85	10 - 138
Naphthalene	ND		66.5	63.9	*	ug/Kg		96	10 - 150
Phenanthrene	4.2	J	66.5	66.9		ug/Kg		94	10 - 150
Pyrene	ND		66.5	70.8		ug/Kg		106	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	101		29 - 120
Nitrobenzene-d5	359	X *	11 - 118
Terphenyl-d14	92		10 - 120

Lab Sample ID: 440-228515-D-1-C MSD
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Acenaphthene	ND		66.6	60.6		ug/Kg		91	10 - 150	4	39
Acenaphthylene	ND		66.6	61.4		ug/Kg		92	23 - 114	2	38
Anthracene	ND		66.6	56.2		ug/Kg		84	10 - 150	10	40
Benzo[a]anthracene	ND		66.6	57.1		ug/Kg		86	10 - 150	4	40
Benzo[a]pyrene	ND		66.6	51.1		ug/Kg		77	10 - 150	8	40
Benzo[b]fluoranthene	ND		66.6	51.4		ug/Kg		77	10 - 150	5	40
Benzo[g,h,i]perylene	ND		66.6	56.8		ug/Kg		85	10 - 143	6	40
Benzo[k]fluoranthene	ND		66.6	52.1		ug/Kg		78	10 - 150	8	40
Chrysene	ND		66.6	55.0		ug/Kg		83	10 - 150	6	40
Dibenz(a,h)anthracene	ND		66.6	53.4		ug/Kg		80	10 - 127	11	40
Fluoranthene	ND		66.6	64.6		ug/Kg		97	10 - 150	8	40
Fluorene	ND		66.6	68.0		ug/Kg		102	10 - 150	7	40
Indeno[1,2,3-cd]pyrene	ND		66.6	67.3		ug/Kg		101	10 - 138	17	40
Naphthalene	ND		66.6	57.3		ug/Kg		86	10 - 150	11	40

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: 440-228515-D-1-C MSD
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519234

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Phenanthrene	4.2	J	66.6	63.9		ug/Kg		90	10 - 150	5	40
Pyrene	ND		66.6	66.2		ug/Kg		99	10 - 150	7	40
Surrogate	MSD	MSD	Limits								
	%Recovery	Qualifier	Limits								
2-Fluorobiphenyl (Surr)	95		29 - 120								
Nitrobenzene-d5	368	X	11 - 118								
Terphenyl-d14	84		10 - 120								

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-519755/1-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519755

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
	Result	Qualifier									
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 11:45	1		
Surrogate	MB	MB	Limits								
	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac					
Tetrachloro-m-xylene	83		28 - 115	12/28/18 06:46	12/29/18 11:45	1					
DCB Decachlorobiphenyl (Surr)	106		21 - 117	12/28/18 06:46	12/29/18 11:45	1					

Lab Sample ID: LCS 440-519755/2-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Added
4,4'-DDD	13.3	12.6		ug/Kg		94	59 - 118
4,4'-DDE	13.3	11.7		ug/Kg		88	55 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-519755/2-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDT	13.3	13.7		ug/Kg		103	60 - 131
Aldrin	13.3	11.6		ug/Kg		87	53 - 115
alpha-BHC	13.3	11.2		ug/Kg		84	57 - 115
beta-BHC	13.3	12.0		ug/Kg		90	58 - 115
delta-BHC	13.3	11.3		ug/Kg		85	52 - 115
Dieldrin	13.3	12.1		ug/Kg		91	57 - 115
Endosulfan I	13.3	12.3		ug/Kg		92	56 - 115
Endosulfan II	13.3	12.5		ug/Kg		93	60 - 117
Endosulfan sulfate	13.3	12.3		ug/Kg		92	60 - 115
Endrin	13.3	13.4		ug/Kg		101	61 - 120
Endrin aldehyde	13.3	11.4		ug/Kg		85	54 - 115
Endrin ketone	13.3	12.2		ug/Kg		92	54 - 119
gamma-BHC (Lindane)	13.3	10.1		ug/Kg		76	56 - 115
Heptachlor	13.3	12.3		ug/Kg		92	52 - 115
Heptachlor epoxide	13.3	12.0		ug/Kg		90	59 - 115
Methoxychlor	13.3	14.0		ug/Kg		105	60 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	83		28 - 115
DCB Decachlorobiphenyl (Surr)	106		21 - 117

Lab Sample ID: 440-228795-A-41-A MS
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		13.3	10.7		ug/Kg		80	10 - 150
4,4'-DDE	12		13.3	20.1		ug/Kg		64	10 - 150
4,4'-DDT	13		13.3	19.3		ug/Kg		46	13 - 141
Aldrin	ND		13.3	12.1		ug/Kg		91	10 - 150
alpha-BHC	ND		13.3	11.2		ug/Kg		84	12 - 125
beta-BHC	ND		13.3	11.2		ug/Kg		84	10 - 150
delta-BHC	ND		13.3	10.7		ug/Kg		80	12 - 130
Dieldrin	3.9	J	13.3	14.1		ug/Kg		77	10 - 150
Endosulfan I	5.5		13.3	13.5		ug/Kg		60	10 - 150
Endosulfan II	ND		13.3	11.4		ug/Kg		86	10 - 150
Endosulfan sulfate	ND		13.3	10.2		ug/Kg		77	10 - 150
Endrin	ND		13.3	13.2		ug/Kg		99	10 - 150
Endrin aldehyde	ND		13.3	10.9		ug/Kg		82	10 - 131
Endrin ketone	ND		13.3	9.63		ug/Kg		72	10 - 134
gamma-BHC (Lindane)	ND		13.3	10.1		ug/Kg		76	20 - 119
Heptachlor	ND		13.3	13.3		ug/Kg		100	10 - 150
Heptachlor epoxide	7.2		13.3	18.8		ug/Kg		87	10 - 150
Methoxychlor	ND		13.3	12.5		ug/Kg		94	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	84		28 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-228795-A-41-A MS
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519755

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	87		21 - 117

Lab Sample ID: 440-228795-A-41-B MSD
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		13.3	9.72		ug/Kg		73	10 - 150	10	26
4,4'-DDE	12		13.3	19.4		ug/Kg		58	10 - 150	4	40
4,4'-DDT	14		13.3	18.1		ug/Kg		31	13 - 141	9	26
Aldrin	ND		13.3	11.1		ug/Kg		83	10 - 150	9	26
alpha-BHC	ND		13.3	10.5		ug/Kg		79	12 - 125	10	18
beta-BHC	ND		13.3	10.5		ug/Kg		79	10 - 150	7	33
delta-BHC	ND		13.3	9.77	J	ug/Kg		73	12 - 130	9	35
Dieldrin	3.9	J	13.3	13.4		ug/Kg		71	10 - 150	5	28
Endosulfan I	5.5		13.3	12.6		ug/Kg		53	10 - 150	8	32
Endosulfan II	ND		13.3	10.5		ug/Kg		78	10 - 150	10	25
Endosulfan sulfate	ND		13.3	9.26	J	ug/Kg		69	10 - 150	10	35
Endrin	ND		13.3	12.5		ug/Kg		94	10 - 150	6	27
Endrin aldehyde	ND		13.3	9.98		ug/Kg		75	10 - 131	9	33
Endrin ketone	ND		13.3	8.45		ug/Kg		63	10 - 134	13	40
gamma-BHC (Lindane)	ND		13.3	9.49		ug/Kg		71	20 - 119	6	24
Heptachlor	ND		13.3	12.5		ug/Kg		94	10 - 150	7	28
Heptachlor epoxide	7.2		13.3	18.9		ug/Kg		88	10 - 150	1	25
Methoxychlor	ND		13.3	11.1		ug/Kg		83	10 - 150	12	34

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	81		28 - 115
DCB Decachlorobiphenyl (Surr)	78		21 - 117

Lab Sample ID: MB 440-519893/1-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1

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QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 440-519893/1-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		28 - 115	12/28/18 14:58	12/29/18 13:32	1
DCB Decachlorobiphenyl (Surr)	88		21 - 117	12/28/18 14:58	12/29/18 13:32	1

Lab Sample ID: LCS 440-519893/2-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	13.3	12.2		ug/Kg		91	59 - 118
4,4'-DDE	13.3	11.7		ug/Kg		88	55 - 115
4,4'-DDT	13.3	11.4		ug/Kg		85	60 - 131
Aldrin	13.3	11.0		ug/Kg		82	53 - 115
alpha-BHC	13.3	12.0		ug/Kg		90	57 - 115
beta-BHC	13.3	11.6		ug/Kg		87	58 - 115
delta-BHC	13.3	12.0		ug/Kg		90	52 - 115
Dieldrin	13.3	11.8		ug/Kg		88	57 - 115
Endosulfan I	13.3	11.8		ug/Kg		89	56 - 115
Endosulfan II	13.3	12.0		ug/Kg		90	60 - 117
Endosulfan sulfate	13.3	11.2		ug/Kg		84	60 - 115
Endrin	13.3	12.3		ug/Kg		92	61 - 120
Endrin aldehyde	13.3	9.96		ug/Kg		75	54 - 115
Endrin ketone	13.3	12.6		ug/Kg		94	54 - 119
gamma-BHC (Lindane)	13.3	11.8		ug/Kg		88	56 - 115
Heptachlor	13.3	11.5		ug/Kg		86	52 - 115
Heptachlor epoxide	13.3	11.8		ug/Kg		88	59 - 115
Methoxychlor	13.3	12.8		ug/Kg		96	60 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	81		28 - 115
DCB Decachlorobiphenyl (Surr)	93		21 - 117

Lab Sample ID: 440-228639-75 MS
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: SB01,02,03,04 0 to 0.5 Composite
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		13.2	7.15		ug/Kg		54	10 - 150
4,4'-DDE	ND		13.2	8.17		ug/Kg		62	10 - 150
4,4'-DDT	ND		13.2	5.26		ug/Kg		40	13 - 141

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QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-228639-75 MS

Matrix: Solid

Analysis Batch: 519989

Client Sample ID: SB01,02,03,04 0 to 0.5 Composite

Prep Type: Total/NA

Prep Batch: 519893

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Aldrin	ND	F2	13.2	3.62	J p	ug/Kg		27		10 - 150
alpha-BHC	ND		13.2	1.68	J	ug/Kg		13		12 - 125
beta-BHC	ND		13.2	5.70		ug/Kg		43		10 - 150
delta-BHC	ND	F1	13.2	ND	F1	ug/Kg		0		12 - 130
Dieldrin	ND		13.2	7.01		ug/Kg		53		10 - 150
Endosulfan I	ND	F1	13.2	ND	F1	ug/Kg		0		10 - 150
Endosulfan II	ND	F1	13.2	ND	F1	ug/Kg		0		10 - 150
Endosulfan sulfate	ND	F1	13.2	ND	F1	ug/Kg		0		10 - 150
Endrin	ND		13.2	7.24		ug/Kg		55		10 - 150
Endrin aldehyde	ND		13.2	2.64	J	ug/Kg		20		10 - 131
Endrin ketone	ND		13.2	3.28	J	ug/Kg		25		10 - 134
gamma-BHC (Lindane)	ND	F1	13.2	ND	F1	ug/Kg		0		20 - 119
Heptachlor	ND	F1	13.2	ND	F1	ug/Kg		0		10 - 150
Heptachlor epoxide	ND		13.2	7.16		ug/Kg		54		10 - 150
Methoxychlor	ND		13.2	2.73	J	ug/Kg		21		10 - 150
		MS MS								
Surrogate		%Recovery	Qualifier							Limits
<i>Tetrachloro-m-xylene</i>		52								28 - 115
<i>DCB Decachlorobiphenyl (Surr)</i>		50								21 - 117

Lab Sample ID: 440-228639-75 MSD

Matrix: Solid

Analysis Batch: 519989

Client Sample ID: SB01,02,03,04 0 to 0.5 Composite

Prep Type: Total/NA

Prep Batch: 519893

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
4,4'-DDD	ND		13.3	6.49		ug/Kg		49		10 - 150	10	26
4,4'-DDE	ND		13.3	7.60		ug/Kg		57		10 - 150	7	40
4,4'-DDT	ND		13.3	4.85	J	ug/Kg		36		13 - 141	8	26
Aldrin	ND	F2	13.3	6.74	F2	ug/Kg		51		10 - 150	60	26
alpha-BHC	ND		13.3	1.57	J	ug/Kg		12		12 - 125	7	18
beta-BHC	ND		13.3	5.43		ug/Kg		41		10 - 150	5	33
delta-BHC	ND	F1	13.3	ND	F1	ug/Kg		0		12 - 130	NC	35
Dieldrin	ND		13.3	6.49		ug/Kg		49		10 - 150	8	28
Endosulfan I	ND	F1	13.3	ND	F1	ug/Kg		0		10 - 150	NC	32
Endosulfan II	ND	F1	13.3	ND	F1	ug/Kg		0		10 - 150	NC	25
Endosulfan sulfate	ND	F1	13.3	ND	F1	ug/Kg		0		10 - 150	NC	35
Endrin	ND		13.3	6.70		ug/Kg		50		10 - 150	8	27
Endrin aldehyde	ND		13.3	2.45	J	ug/Kg		18		10 - 131	7	33
Endrin ketone	ND		13.3	3.17	J	ug/Kg		24		10 - 134	3	40
gamma-BHC (Lindane)	ND	F1	13.3	ND	F1	ug/Kg		0		20 - 119	NC	24
Heptachlor	ND	F1	13.3	ND	F1	ug/Kg		0		10 - 150	NC	28
Heptachlor epoxide	ND		13.3	6.78		ug/Kg		51		10 - 150	5	25
Methoxychlor	ND		13.3	2.51	J	ug/Kg		19		10 - 150	9	34
		MSD MSD										
Surrogate		%Recovery	Qualifier							Limits		
<i>Tetrachloro-m-xylene</i>		48								28 - 115		
<i>DCB Decachlorobiphenyl (Surr)</i>		46								21 - 117		

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: MB 440-519215/1-A
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		45 - 120	12/26/18 06:27	12/26/18 16:57	1

Lab Sample ID: LCS 440-519215/2-A
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	267	226		ug/Kg		85	65 - 115
Aroclor 1260	267	227		ug/Kg		85	65 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	91		45 - 120

Lab Sample ID: 440-228517-E-1-B MS
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	ND		267	223		ug/Kg		84	50 - 120
Aroclor 1260	ND		267	206		ug/Kg		77	50 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 120

Lab Sample ID: 440-228517-E-1-C MSD
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Aroclor 1016	ND		267	220		ug/Kg		83	50 - 120	1	30
Aroclor 1260	ND		267	203		ug/Kg		76	50 - 125	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 120

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-519586/1-A ^5
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Barium	ND		1.5	0.74	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Beryllium	ND		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Cadmium	ND		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Chromium	ND		0.99	0.49	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Cobalt	ND		0.99	0.49	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Copper	ND		2.0	1.1	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Nickel	ND		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Vanadium	ND		0.99	0.49	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Zinc	ND		4.9	2.5	mg/Kg		12/27/18 12:16	12/28/18 19:28	5
Lead	ND		2.0	0.99	mg/Kg		12/27/18 12:16	12/28/18 19:28	5

Lab Sample ID: LCS 440-519586/2-A ^5
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	49.3	51.4		mg/Kg		104	80 - 120
Arsenic	49.3	47.4		mg/Kg		96	80 - 120
Barium	49.3	48.4		mg/Kg		98	80 - 120
Beryllium	49.3	48.6		mg/Kg		99	80 - 120
Cadmium	49.3	48.2		mg/Kg		98	80 - 120
Chromium	49.3	49.9		mg/Kg		101	80 - 120
Cobalt	49.3	49.3		mg/Kg		100	80 - 120
Copper	49.3	50.0		mg/Kg		102	80 - 120
Molybdenum	49.3	49.3		mg/Kg		100	80 - 120
Nickel	49.3	49.8		mg/Kg		101	80 - 120
Selenium	49.3	45.0		mg/Kg		91	80 - 120
Silver	24.6	24.6		mg/Kg		100	80 - 120
Thallium	49.3	48.5		mg/Kg		98	80 - 120
Vanadium	49.3	49.4		mg/Kg		100	80 - 120
Zinc	49.3	48.5		mg/Kg		98	80 - 120
Lead	49.3	49.0		mg/Kg		99	80 - 120

Lab Sample ID: 440-228639-1 MS
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: SB69d0.5
Prep Type: Total/NA
Prep Batch: 519586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.8	31.8	F1	mg/Kg		64	75 - 125
Arsenic	2.4	J	49.8	47.5		mg/Kg		91	75 - 125
Barium	130		49.8	185		mg/Kg		109	75 - 125
Beryllium	0.43	J	49.8	48.6		mg/Kg		97	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: 440-228639-1 MS
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: SB69d0.5
Prep Type: Total/NA
Prep Batch: 519586
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	0.32	J	49.8	46.7		mg/Kg		93	75 - 125
Chromium	13		49.8	61.8		mg/Kg		99	75 - 125
Cobalt	5.2		49.8	52.4		mg/Kg		95	75 - 125
Copper	31	F1 F2	49.8	70.9		mg/Kg		81	75 - 125
Molybdenum	ND		49.8	48.1		mg/Kg		97	75 - 125
Nickel	7.5		49.8	54.3		mg/Kg		94	75 - 125
Selenium	ND		49.8	45.2		mg/Kg		91	75 - 125
Silver	ND		24.9	24.0		mg/Kg		96	75 - 125
Thallium	ND		49.8	45.9		mg/Kg		92	75 - 125
Vanadium	31		49.8	84.2		mg/Kg		107	75 - 125
Zinc	92	F1	49.8	122	F1	mg/Kg		60	75 - 125
Lead	59		49.8	99.8		mg/Kg		81	75 - 125

Lab Sample ID: 440-228639-1 MSD
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: SB69d0.5
Prep Type: Total/NA
Prep Batch: 519586
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	49.3	30.8	F1	mg/Kg		62	75 - 125	3	20
Arsenic	2.4	J	49.3	47.2		mg/Kg		91	75 - 125	1	20
Barium	130		49.3	189		mg/Kg		119	75 - 125	2	20
Beryllium	0.43	J	49.3	47.2		mg/Kg		95	75 - 125	3	20
Cadmium	0.32	J	49.3	45.0		mg/Kg		91	75 - 125	4	20
Chromium	13		49.3	62.9		mg/Kg		102	75 - 125	2	20
Cobalt	5.2		49.3	51.3		mg/Kg		94	75 - 125	2	20
Copper	31	F1 F2	49.3	159	F1 F2	mg/Kg		260	75 - 125	77	20
Molybdenum	ND		49.3	46.4		mg/Kg		94	75 - 125	4	20
Nickel	7.5		49.3	56.4		mg/Kg		99	75 - 125	4	20
Selenium	ND		49.3	43.1		mg/Kg		87	75 - 125	5	20
Silver	ND		24.6	23.2		mg/Kg		94	75 - 125	3	20
Thallium	ND		49.3	44.9		mg/Kg		91	75 - 125	2	20
Vanadium	31		49.3	83.5		mg/Kg		107	75 - 125	1	20
Zinc	92	F1	49.3	130		mg/Kg		77	75 - 125	7	20
Lead	59		49.3	103		mg/Kg		89	75 - 125	3	20

Lab Sample ID: MB 440-519587/1-A ^5
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Barium	ND		1.5	0.74	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Beryllium	ND		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Cadmium	ND		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Chromium	ND		0.99	0.49	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Cobalt	ND		0.99	0.49	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Copper	ND		2.0	1.1	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 20:43	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: MB 440-519587/1-A ^5
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Vanadium	ND		0.99	0.49	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Zinc	ND		4.9	2.5	mg/Kg		12/27/18 12:18	12/28/18 20:43	5
Lead	ND		2.0	0.99	mg/Kg		12/27/18 12:18	12/28/18 20:43	5

Lab Sample ID: LCS 440-519587/2-A ^5
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	49.8	50.5		mg/Kg		101	80 - 120
Arsenic	49.8	47.6		mg/Kg		96	80 - 120
Barium	49.8	47.6		mg/Kg		96	80 - 120
Beryllium	49.8	48.4		mg/Kg		97	80 - 120
Cadmium	49.8	48.4		mg/Kg		97	80 - 120
Chromium	49.8	49.6		mg/Kg		100	80 - 120
Cobalt	49.8	49.1		mg/Kg		99	80 - 120
Copper	49.8	49.6		mg/Kg		100	80 - 120
Molybdenum	49.8	49.6		mg/Kg		100	80 - 120
Nickel	49.8	49.5		mg/Kg		99	80 - 120
Selenium	49.8	45.2		mg/Kg		91	80 - 120
Silver	24.9	24.5		mg/Kg		98	80 - 120
Thallium	49.8	48.2		mg/Kg		97	80 - 120
Vanadium	49.8	49.2		mg/Kg		99	80 - 120
Zinc	49.8	48.1		mg/Kg		97	80 - 120
Lead	49.8	49.2		mg/Kg		99	80 - 120

Lab Sample ID: 440-228639-21 MS
Matrix: Solid
Analysis Batch: 519986

Client Sample ID: SB50d1.5
Prep Type: Total/NA
Prep Batch: 519587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.8	32.9	F1	mg/Kg		66	75 - 125
Arsenic	4.4		49.8	48.6		mg/Kg		89	75 - 125
Barium	160	F1	49.8	247	F1	mg/Kg		182	75 - 125
Beryllium	0.31	J	49.8	46.6		mg/Kg		93	75 - 125
Cadmium	1.4		49.8	45.1		mg/Kg		88	75 - 125
Chromium	13		49.8	62.9		mg/Kg		100	75 - 125
Cobalt	4.3		49.8	50.8		mg/Kg		93	75 - 125
Copper	34		49.8	91.4		mg/Kg		115	75 - 125
Molybdenum	ND		49.8	46.0		mg/Kg		92	75 - 125
Nickel	9.0		49.8	55.8		mg/Kg		94	75 - 125
Selenium	ND		49.8	42.7		mg/Kg		86	75 - 125
Silver	ND		24.9	23.3		mg/Kg		94	75 - 125
Thallium	ND		49.8	44.5		mg/Kg		89	75 - 125
Vanadium	27		49.8	81.6		mg/Kg		110	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: 440-228639-21 MS

Matrix: Solid

Analysis Batch: 519986

Client Sample ID: SB50d1.5

Prep Type: Total/NA

Prep Batch: 519587

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Zinc	290		49.8	353	4	mg/Kg		117		75 - 125
Lead	170	F1	49.8	368	F1	mg/Kg		393		75 - 125

Lab Sample ID: 440-228639-21 MSD

Matrix: Solid

Analysis Batch: 519986

Client Sample ID: SB50d1.5

Prep Type: Total/NA

Prep Batch: 519587

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Antimony	ND	F1	49.8	35.4	F1	mg/Kg		71		75 - 125	7	20
Arsenic	4.4		49.8	48.2		mg/Kg		88		75 - 125	1	20
Barium	160	F1	49.8	238	F1	mg/Kg		164		75 - 125	4	20
Beryllium	0.31	J	49.8	46.5		mg/Kg		93		75 - 125	0	20
Cadmium	1.4		49.8	44.9		mg/Kg		87		75 - 125	0	20
Chromium	13		49.8	61.5		mg/Kg		97		75 - 125	2	20
Cobalt	4.3		49.8	49.8		mg/Kg		91		75 - 125	2	20
Copper	34		49.8	83.3		mg/Kg		99		75 - 125	9	20
Molybdenum	ND		49.8	46.4		mg/Kg		93		75 - 125	1	20
Nickel	9.0		49.8	53.6		mg/Kg		90		75 - 125	4	20
Selenium	ND		49.8	43.0		mg/Kg		86		75 - 125	1	20
Silver	ND		24.9	23.3		mg/Kg		94		75 - 125	0	20
Thallium	ND		49.8	44.6		mg/Kg		90		75 - 125	0	20
Vanadium	27		49.8	78.1		mg/Kg		103		75 - 125	4	20
Zinc	290		49.8	296	4	mg/Kg		2		75 - 125	18	20
Lead	170	F1	49.8	414	F1	mg/Kg		485		75 - 125	12	20

Lab Sample ID: MB 440-519588/1-A ^5

Matrix: Solid

Analysis Batch: 519917

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519588

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		9.9	5.0	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Barium	ND		1.5	0.74	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Beryllium	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Chromium	ND		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Cobalt	ND		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Copper	ND		2.0	1.1	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Nickel	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Thallium	ND		9.9	5.0	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Vanadium	ND		0.99	0.50	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Zinc	ND		5.0	2.5	mg/Kg		12/27/18 12:21	12/28/18 14:50	5
Lead	ND		2.0	0.99	mg/Kg		12/27/18 12:21	12/28/18 14:50	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: LCS 440-519588/2-A ^5
Matrix: Solid
Analysis Batch: 519917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	49.8	50.8		mg/Kg		102	80 - 120
Arsenic	49.8	48.2		mg/Kg		97	80 - 120
Barium	49.8	49.8		mg/Kg		100	80 - 120
Beryllium	49.8	48.3		mg/Kg		97	80 - 120
Cadmium	49.8	49.2		mg/Kg		99	80 - 120
Chromium	49.8	50.0		mg/Kg		100	80 - 120
Cobalt	49.8	50.3		mg/Kg		101	80 - 120
Copper	49.8	49.7		mg/Kg		100	80 - 120
Molybdenum	49.8	49.5		mg/Kg		99	80 - 120
Nickel	49.8	50.0		mg/Kg		101	80 - 120
Selenium	49.8	45.1		mg/Kg		91	80 - 120
Silver	24.9	24.6		mg/Kg		99	80 - 120
Thallium	49.8	49.0		mg/Kg		99	80 - 120
Vanadium	49.8	49.3		mg/Kg		99	80 - 120
Zinc	49.8	50.1		mg/Kg		101	80 - 120
Lead	49.8	49.4		mg/Kg		99	80 - 120

Lab Sample ID: 440-228639-43 MS
Matrix: Solid
Analysis Batch: 519917

Client Sample ID: SB21d0.5
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.5	27.5	F1	mg/Kg		56	75 - 125
Arsenic	2.9	J	49.5	48.9		mg/Kg		93	75 - 125
Barium	96		49.5	146		mg/Kg		101	75 - 125
Beryllium	ND		49.5	47.3		mg/Kg		96	75 - 125
Cadmium	0.35	J	49.5	46.6		mg/Kg		93	75 - 125
Chromium	14		49.5	62.1		mg/Kg		98	75 - 125
Cobalt	5.9		49.5	53.0		mg/Kg		95	75 - 125
Copper	20		49.5	71.0		mg/Kg		104	75 - 125
Molybdenum	ND		49.5	47.1		mg/Kg		95	75 - 125
Nickel	8.2		49.5	55.2		mg/Kg		95	75 - 125
Selenium	ND		49.5	43.8		mg/Kg		89	75 - 125
Silver	ND		24.8	23.5		mg/Kg		95	75 - 125
Thallium	ND		49.5	45.7		mg/Kg		92	75 - 125
Vanadium	32		49.5	83.9		mg/Kg		104	75 - 125
Zinc	89		49.5	133		mg/Kg		89	75 - 125
Lead	53	F1	49.5	126	F1	mg/Kg		149	75 - 125

Lab Sample ID: 440-228639-43 MSD
Matrix: Solid
Analysis Batch: 519917

Client Sample ID: SB21d0.5
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	50.0	27.2	F1	mg/Kg		54	75 - 125	1	20
Arsenic	2.9	J	50.0	49.5		mg/Kg		93	75 - 125	1	20
Barium	96		50.0	149		mg/Kg		106	75 - 125	2	20
Beryllium	ND		50.0	47.3		mg/Kg		95	75 - 125	0	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: 440-228639-43 MSD
Matrix: Solid
Analysis Batch: 519917

Client Sample ID: SB21d0.5
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cadmium	0.35	J	50.0	46.6		mg/Kg		93	75 - 125	0	20
Chromium	14		50.0	63.0		mg/Kg		98	75 - 125	1	20
Cobalt	5.9		50.0	53.5		mg/Kg		95	75 - 125	1	20
Copper	20		50.0	69.3		mg/Kg		99	75 - 125	2	20
Molybdenum	ND		50.0	47.3		mg/Kg		95	75 - 125	0	20
Nickel	8.2		50.0	55.9		mg/Kg		95	75 - 125	1	20
Selenium	ND		50.0	43.6		mg/Kg		87	75 - 125	1	20
Silver	ND		25.0	23.6		mg/Kg		94	75 - 125	0	20
Thallium	ND		50.0	45.3		mg/Kg		91	75 - 125	1	20
Vanadium	32		50.0	84.4		mg/Kg		104	75 - 125	1	20
Zinc	89		50.0	130		mg/Kg		81	75 - 125	2	20
Lead	53	F1	50.0	132	F1	mg/Kg		158	75 - 125	4	20

Lab Sample ID: MB 440-521058/1-A ^5
Matrix: Solid
Analysis Batch: 521314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		01/07/19 16:48	01/08/19 19:15	5

Lab Sample ID: LCS 440-521058/2-A ^5
Matrix: Solid
Analysis Batch: 521314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	47.7		mg/Kg		95	80 - 120

Lab Sample ID: 440-229072-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 521314

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 521058

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	21		50.0	68.4		mg/Kg		94	75 - 125

Lab Sample ID: 440-229072-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 521314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 521058

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	21		50.0	63.8		mg/Kg		85	75 - 125	7	20

Lab Sample ID: MB 440-519540/1-A
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/27/18 10:47	12/28/18 11:55	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

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

Lab Sample ID: LCS 440-519540/2-A
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: 440-228532-N-1-B MS
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		1.00	0.997		mg/L		100	75 - 125

Lab Sample ID: 440-228532-N-1-C MSD
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		1.00	0.994		mg/L		99	75 - 125	0	20

Lab Sample ID: MB 440-525175/1-B
Matrix: Solid
Analysis Batch: 525635

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 525273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.040	mg/L		01/28/19 09:02	01/29/19 14:39	1

Lab Sample ID: LCS 440-525175/2-B
Matrix: Solid
Analysis Batch: 525635

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 525273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	2.00	1.94		mg/L		97	80 - 120

Lab Sample ID: 440-230246-A-21-G MS
Matrix: Solid
Analysis Batch: 525635

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 525273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		2.00	1.98		mg/L		99	75 - 125

Lab Sample ID: 440-230246-A-21-H MSD
Matrix: Solid
Analysis Batch: 525635

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 525273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		2.00	1.96		mg/L		98	75 - 125	1	20

Lab Sample ID: MB 440-523505/1-A ^20
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/21/19 08:42	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Lab Sample ID: LCS 440-523505/2-A ^20
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	19.4		mg/L		97	80 - 120

Lab Sample ID: 440-228639-16 MS
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: SB48d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	54		20.0	70.7		mg/L		85	75 - 125

Lab Sample ID: 440-228639-16 MSD
Matrix: Solid
Analysis Batch: 523743

Client Sample ID: SB48d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	54		20.0	71.9		mg/L		91	75 - 125	2	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-519586/1-A ^20
Matrix: Solid
Analysis Batch: 519890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.49	0.25	mg/Kg		12/27/18 12:16	12/28/18 13:08	20

Lab Sample ID: LCS 440-519586/2-A ^20
Matrix: Solid
Analysis Batch: 519890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	49.3	43.4		mg/Kg		88	80 - 120

Lab Sample ID: 440-228639-1 MS
Matrix: Solid
Analysis Batch: 519890

Client Sample ID: SB69d0.5
Prep Type: Total/NA
Prep Batch: 519586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.6		49.8	45.8		mg/Kg		89	80 - 120

Lab Sample ID: 440-228639-1 MSD
Matrix: Solid
Analysis Batch: 519890

Client Sample ID: SB69d0.5
Prep Type: Total/NA
Prep Batch: 519586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.6		49.3	45.1		mg/Kg		88	80 - 120	2	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 440-519587/1-A ^20
Matrix: Solid
Analysis Batch: 519912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.49	0.25	mg/Kg		12/27/18 12:18	12/28/18 14:40	20

Lab Sample ID: LCS 440-519587/2-A ^20
Matrix: Solid
Analysis Batch: 519912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	49.8	47.1		mg/Kg		95	80 - 120

Lab Sample ID: 440-228639-21 MS
Matrix: Solid
Analysis Batch: 519912

Client Sample ID: SB50d1.5
Prep Type: Total/NA
Prep Batch: 519587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	3.7		49.8	47.0		mg/Kg		87	80 - 120

Lab Sample ID: 440-228639-21 MSD
Matrix: Solid
Analysis Batch: 519912

Client Sample ID: SB50d1.5
Prep Type: Total/NA
Prep Batch: 519587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	3.7		49.8	46.0		mg/Kg		85	80 - 120	2	20

Lab Sample ID: MB 440-519588/1-A ^20
Matrix: Solid
Analysis Batch: 519919

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519588

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/Kg		12/27/18 12:21	12/28/18 15:19	20

Lab Sample ID: LCS 440-519588/2-A ^20
Matrix: Solid
Analysis Batch: 519919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	49.8	45.2		mg/Kg		91	80 - 120

Lab Sample ID: 440-228639-43 MS
Matrix: Solid
Analysis Batch: 519919

Client Sample ID: SB21d0.5
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	2.3		49.5	45.4		mg/Kg		87	80 - 120

Lab Sample ID: 440-228639-43 MSD
Matrix: Solid
Analysis Batch: 519919

Client Sample ID: SB21d0.5
Prep Type: Total/NA
Prep Batch: 519588

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	2.3		50.0	45.1		mg/Kg		86	80 - 120	1	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Lab Sample ID: MB 440-519544/1-A
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/27/18 10:56	12/27/18 21:45	1

Lab Sample ID: LCS 440-519544/2-A
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	80.0	76.6		ug/L		96	80 - 120

Lab Sample ID: 440-228255-D-1-C MS ^20
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	68		80.0	142		ug/L		93	75 - 125

Lab Sample ID: 440-228255-D-1-D MSD ^20
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	68		80.0	148		ug/L		100	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-519419/1-A
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 04:45	1

Lab Sample ID: LCS 440-519419/2-A
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.800	0.828		mg/Kg		104	80 - 120

Lab Sample ID: 440-228139-A-2-E MS
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519419

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	ND	F1	0.784	0.545	F1	mg/Kg		69	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-228139-A-2-F MSD
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519419

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	ND	F1	0.784	0.562	F1	mg/Kg		72	75 - 125	3	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

GC/MS Semi VOA

Prep Batch: 519234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-24	SB50d2.5	Total/NA	Solid	3546	
440-228639-49	SB23d0.5	Total/NA	Solid	3546	
440-228639-51	SB23d1.5	Total/NA	Solid	3546	
440-228639-53	SB23d2.5	Total/NA	Solid	3546	
440-228639-57	SB03d0.5	Total/NA	Solid	3546	
440-228639-60	SB03d1.5	Total/NA	Solid	3546	
440-228639-61	SB03d2.5	Total/NA	Solid	3546	
MB 440-519234/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519234/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228515-D-1-B MS	Matrix Spike	Total/NA	Solid	3546	
440-228515-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-49	SB23d0.5	Total/NA	Solid	8270C SIM	519234
440-228639-51	SB23d1.5	Total/NA	Solid	8270C SIM	519234
440-228639-53	SB23d2.5	Total/NA	Solid	8270C SIM	519234
440-228639-57	SB03d0.5	Total/NA	Solid	8270C SIM	519234
440-228639-60	SB03d1.5	Total/NA	Solid	8270C SIM	519234
440-228639-61	SB03d2.5	Total/NA	Solid	8270C SIM	519234

Analysis Batch: 520063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-519234/1-A	Method Blank	Total/NA	Solid	8270C SIM	519234
LCS 440-519234/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	519234
440-228515-D-1-B MS	Matrix Spike	Total/NA	Solid	8270C SIM	519234
440-228515-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C SIM	519234

Analysis Batch: 520151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-24	SB50d2.5	Total/NA	Solid	8270C SIM	519234

GC Semi VOA

Prep Batch: 519215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-8	SB31d0.5	Total/NA	Solid	3546	
440-228639-10	SB31d1.5	Total/NA	Solid	3546	
440-228639-12	SB31d2.5	Total/NA	Solid	3546	
440-228639-13	SB47d0.5	Total/NA	Solid	3546	
440-228639-15	SB47d1.5	Total/NA	Solid	3546	
440-228639-18	SB47d2.5	Total/NA	Solid	3546	
440-228639-25	SB51d0.5	Total/NA	Solid	3546	
440-228639-28	SB51d1.5	Total/NA	Solid	3546	
440-228639-29	SB51d2.5	Total/NA	Solid	3546	
440-228639-43	SB21d0.5	Total/NA	Solid	3546	
MB 440-519215/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519215/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228517-E-1-B MS	Matrix Spike	Total/NA	Solid	3546	
440-228517-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

GC Semi VOA (Continued)

Analysis Batch: 519323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-43	SB21d0.5	Total/NA	Solid	8082	519215

Analysis Batch: 519370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-8	SB31d0.5	Total/NA	Solid	8082	519215
440-228639-10	SB31d1.5	Total/NA	Solid	8082	519215
440-228639-12	SB31d2.5	Total/NA	Solid	8082	519215
440-228639-13	SB47d0.5	Total/NA	Solid	8082	519215
440-228639-15	SB47d1.5	Total/NA	Solid	8082	519215
440-228639-18	SB47d2.5	Total/NA	Solid	8082	519215
440-228639-25	SB51d0.5	Total/NA	Solid	8082	519215
440-228639-28	SB51d1.5	Total/NA	Solid	8082	519215
440-228639-29	SB51d2.5	Total/NA	Solid	8082	519215
MB 440-519215/1-A	Method Blank	Total/NA	Solid	8082	519215
LCS 440-519215/2-A	Lab Control Sample	Total/NA	Solid	8082	519215
440-228517-E-1-B MS	Matrix Spike	Total/NA	Solid	8082	519215
440-228517-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	519215

Prep Batch: 519755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-69	SB31,32,33,34 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228639-71	SB49,50,51,52 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228639-73	SB20,21,22,23 0 to 0.5 Composite	Total/NA	Solid	3546	
MB 440-519755/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519755/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228795-A-41-A MS	Matrix Spike	Total/NA	Solid	3546	
440-228795-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 519893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-70	SB46,47,48 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228639-72	SB53,54,55 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228639-74	SB17,18,19,24 0 to 0.5 composite	Total/NA	Solid	3546	
440-228639-75	SB01,02,03,04 0 to 0.5 Composite	Total/NA	Solid	3546	
MB 440-519893/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519893/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228639-75 MS	SB01,02,03,04 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228639-75 MSD	SB01,02,03,04 0 to 0.5 Composite	Total/NA	Solid	3546	

Analysis Batch: 519988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-69	SB31,32,33,34 0 to 0.5 Composite	Total/NA	Solid	8081A	519755
440-228639-71	SB49,50,51,52 0 to 0.5 Composite	Total/NA	Solid	8081A	519755
440-228639-73	SB20,21,22,23 0 to 0.5 Composite	Total/NA	Solid	8081A	519755
MB 440-519755/1-A	Method Blank	Total/NA	Solid	8081A	519755
LCS 440-519755/2-A	Lab Control Sample	Total/NA	Solid	8081A	519755
440-228795-A-41-A MS	Matrix Spike	Total/NA	Solid	8081A	519755
440-228795-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	519755

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

GC Semi VOA (Continued)

Analysis Batch: 519989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-70	SB46,47,48 0 to 0.5 Composite	Total/NA	Solid	8081A	519893
440-228639-72	SB53,54,55 0 to 0.5 Composite	Total/NA	Solid	8081A	519893
440-228639-74	SB17,18,19,24 0 to 0.5 composite	Total/NA	Solid	8081A	519893
440-228639-75	SB01,02,03,04 0 to 0.5 Composite	Total/NA	Solid	8081A	519893
MB 440-519893/1-A	Method Blank	Total/NA	Solid	8081A	519893
LCS 440-519893/2-A	Lab Control Sample	Total/NA	Solid	8081A	519893
440-228639-75 MS	SB01,02,03,04 0 to 0.5 Composite	Total/NA	Solid	8081A	519893
440-228639-75 MSD	SB01,02,03,04 0 to 0.5 Composite	Total/NA	Solid	8081A	519893

Metals

Prep Batch: 519419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-7	SB32d0.5	Total/NA	Solid	7471A	
440-228639-9	SB32d1.5	Total/NA	Solid	7471A	
440-228639-11	SB32d2.5	Total/NA	Solid	7471A	
440-228639-26	SB52d0.5	Total/NA	Solid	7471A	
440-228639-27	SB52d1.5	Total/NA	Solid	7471A	
440-228639-30	SB52d2.5	Total/NA	Solid	7471A	
440-228639-38	SB20d0.5	Total/NA	Solid	7471A	
440-228639-40	SB20d1.5	Total/NA	Solid	7471A	
440-228639-43	SB21d0.5	Total/NA	Solid	7471A	
440-228639-51	SB23d1.5	Total/NA	Solid	7471A	
440-228639-53	SB23d2.5	Total/NA	Solid	7471A	
440-228639-57	SB03d0.5	Total/NA	Solid	7471A	
440-228639-60	SB03d1.5	Total/NA	Solid	7471A	
MB 440-519419/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-519419/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-228139-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	
440-228139-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Prep Batch: 519540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-64	EQ Blank	Total Recoverable	Water	3005A	
MB 440-519540/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-519540/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228532-N-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-228532-N-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 519544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-64	EQ Blank	Total Recoverable	Water	3005A	
MB 440-519544/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-519544/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228255-D-1-C MS ^20	Matrix Spike	Total Recoverable	Water	3005A	
440-228255-D-1-D MSD ^20	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 519586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-1	SB69d0.5	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Metals (Continued)

Prep Batch: 519586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-2	SB69d1.5	Total/NA	Solid	3050B	
440-228639-3	SB69d2.5	Total/NA	Solid	3050B	
440-228639-4	SB33d0.5	Total/NA	Solid	3050B	
440-228639-5	SB33d1.5	Total/NA	Solid	3050B	
440-228639-6	SB33d2.5	Total/NA	Solid	3050B	
440-228639-7	SB32d0.5	Total/NA	Solid	3050B	
440-228639-8	SB31d0.5	Total/NA	Solid	3050B	
440-228639-9	SB32d1.5	Total/NA	Solid	3050B	
440-228639-10	SB31d1.5	Total/NA	Solid	3050B	
440-228639-11	SB32d2.5	Total/NA	Solid	3050B	
440-228639-12	SB31d2.5	Total/NA	Solid	3050B	
440-228639-13	SB47d0.5	Total/NA	Solid	3050B	
440-228639-14	SB48d0.5	Total/NA	Solid	3050B	
440-228639-15	SB47d1.5	Total/NA	Solid	3050B	
440-228639-16	SB48d1.5	Total/NA	Solid	3050B	
440-228639-17	SB48d2.5	Total/NA	Solid	3050B	
440-228639-18	SB47d2.5	Total/NA	Solid	3050B	
440-228639-19	SB49d0.5	Total/NA	Solid	3050B	
440-228639-20	SB50d0.5	Total/NA	Solid	3050B	
MB 440-519586/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-519586/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-519586/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-519586/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228639-1 MS	SB69d0.5	Total/NA	Solid	3050B	
440-228639-1 MSD	SB69d0.5	Total/NA	Solid	3050B	

Prep Batch: 519587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-21	SB50d1.5	Total/NA	Solid	3050B	
440-228639-22	SB49d1.5	Total/NA	Solid	3050B	
440-228639-23	SB49d2.5	Total/NA	Solid	3050B	
440-228639-24	SB50d2.5	Total/NA	Solid	3050B	
440-228639-25	SB51d0.5	Total/NA	Solid	3050B	
440-228639-26	SB52d0.5	Total/NA	Solid	3050B	
440-228639-27	SB52d1.5	Total/NA	Solid	3050B	
440-228639-28	SB51d1.5	Total/NA	Solid	3050B	
440-228639-29	SB51d2.5	Total/NA	Solid	3050B	
440-228639-30	SB52d2.5	Total/NA	Solid	3050B	
440-228639-31	SB53d0.5	Total/NA	Solid	3050B	
440-228639-32	SB54d0.5	Total/NA	Solid	3050B	
440-228639-33	SB53d1.5	Total/NA	Solid	3050B	
440-228639-34	SB54d1.5	Total/NA	Solid	3050B	
440-228639-35	SB53d2.5	Total/NA	Solid	3050B	
440-228639-36	SB54d2.5	Total/NA	Solid	3050B	
440-228639-37	SB55d0.5	Total/NA	Solid	3050B	
440-228639-38	SB20d0.5	Total/NA	Solid	3050B	
440-228639-39	SB55d1.5	Total/NA	Solid	3050B	
440-228639-40	SB20d1.5	Total/NA	Solid	3050B	
MB 440-519587/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-519587/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-519587/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Metals (Continued)

Prep Batch: 519587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-519587/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228639-21 MS	SB50d1.5	Total/NA	Solid	3050B	
440-228639-21 MSD	SB50d1.5	Total/NA	Solid	3050B	

Prep Batch: 519588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-41	SB20d2.5	Total/NA	Solid	3050B	
440-228639-42	SB55d2.5	Total/NA	Solid	3050B	
440-228639-43	SB21d0.5	Total/NA	Solid	3050B	
440-228639-44	SB22d0.5	Total/NA	Solid	3050B	
440-228639-49	SB23d0.5	Total/NA	Solid	3050B	
440-228639-50	SB24d0.5	Total/NA	Solid	3050B	
440-228639-51	SB23d1.5	Total/NA	Solid	3050B	
440-228639-52	SB24d1.5	Total/NA	Solid	3050B	
440-228639-53	SB23d2.5	Total/NA	Solid	3050B	
440-228639-54	SB24d2.5	Total/NA	Solid	3050B	
440-228639-55	SB04d0.5	Total/NA	Solid	3050B	
440-228639-56	SB04d1.5	Total/NA	Solid	3050B	
440-228639-57	SB03d0.5	Total/NA	Solid	3050B	
440-228639-58	SB04d2.5	Total/NA	Solid	3050B	
440-228639-59	SB02d0.5	Total/NA	Solid	3050B	
440-228639-60	SB03d1.5	Total/NA	Solid	3050B	
440-228639-61	SB03d2.5	Total/NA	Solid	3050B	
440-228639-62	Duplicate 1	Total/NA	Solid	3050B	
440-228639-63	Duplicate 2	Total/NA	Solid	3050B	
MB 440-519588/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-519588/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-519588/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-519588/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228639-43 MS	SB21d0.5	Total/NA	Solid	3050B	
440-228639-43 MSD	SB21d0.5	Total/NA	Solid	3050B	

Analysis Batch: 519650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-7	SB32d0.5	Total/NA	Solid	7471A	519419
440-228639-9	SB32d1.5	Total/NA	Solid	7471A	519419
440-228639-11	SB32d2.5	Total/NA	Solid	7471A	519419
440-228639-26	SB52d0.5	Total/NA	Solid	7471A	519419
440-228639-27	SB52d1.5	Total/NA	Solid	7471A	519419
440-228639-30	SB52d2.5	Total/NA	Solid	7471A	519419
440-228639-38	SB20d0.5	Total/NA	Solid	7471A	519419
440-228639-40	SB20d1.5	Total/NA	Solid	7471A	519419
440-228639-43	SB21d0.5	Total/NA	Solid	7471A	519419
440-228639-51	SB23d1.5	Total/NA	Solid	7471A	519419
440-228639-53	SB23d2.5	Total/NA	Solid	7471A	519419
440-228639-57	SB03d0.5	Total/NA	Solid	7471A	519419
440-228639-60	SB03d1.5	Total/NA	Solid	7471A	519419
MB 440-519419/1-A	Method Blank	Total/NA	Solid	7471A	519419
LCS 440-519419/2-A	Lab Control Sample	Total/NA	Solid	7471A	519419
440-228139-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	519419
440-228139-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	519419

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Analysis Batch: 519731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-64	EQ Blank	Total Recoverable	Water	6020	519544
MB 440-519544/1-A	Method Blank	Total Recoverable	Water	6020	519544
LCS 440-519544/2-A	Lab Control Sample	Total Recoverable	Water	6020	519544
440-228255-D-1-C MS ^20	Matrix Spike	Total Recoverable	Water	6020	519544
440-228255-D-1-D MSD ^20	Matrix Spike Duplicate	Total Recoverable	Water	6020	519544

Analysis Batch: 519867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-64	EQ Blank	Total Recoverable	Water	6010B	519540
MB 440-519540/1-A	Method Blank	Total Recoverable	Water	6010B	519540
LCS 440-519540/2-A	Lab Control Sample	Total Recoverable	Water	6010B	519540
440-228532-N-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	519540
440-228532-N-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	519540

Analysis Batch: 519890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-1	SB69d0.5	Total/NA	Solid	6020	519586
440-228639-2	SB69d1.5	Total/NA	Solid	6020	519586
440-228639-3	SB69d2.5	Total/NA	Solid	6020	519586
440-228639-4	SB33d0.5	Total/NA	Solid	6020	519586
440-228639-5	SB33d1.5	Total/NA	Solid	6020	519586
440-228639-6	SB33d2.5	Total/NA	Solid	6020	519586
440-228639-7	SB32d0.5	Total/NA	Solid	6020	519586
440-228639-8	SB31d0.5	Total/NA	Solid	6020	519586
440-228639-9	SB32d1.5	Total/NA	Solid	6020	519586
440-228639-10	SB31d1.5	Total/NA	Solid	6020	519586
440-228639-11	SB32d2.5	Total/NA	Solid	6020	519586
440-228639-12	SB31d2.5	Total/NA	Solid	6020	519586
440-228639-13	SB47d0.5	Total/NA	Solid	6020	519586
440-228639-14	SB48d0.5	Total/NA	Solid	6020	519586
440-228639-15	SB47d1.5	Total/NA	Solid	6020	519586
440-228639-16	SB48d1.5	Total/NA	Solid	6020	519586
440-228639-17	SB48d2.5	Total/NA	Solid	6020	519586
440-228639-18	SB47d2.5	Total/NA	Solid	6020	519586
440-228639-19	SB49d0.5	Total/NA	Solid	6020	519586
440-228639-20	SB50d0.5	Total/NA	Solid	6020	519586
MB 440-519586/1-A ^20	Method Blank	Total/NA	Solid	6020	519586
LCS 440-519586/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	519586
440-228639-1 MS	SB69d0.5	Total/NA	Solid	6020	519586
440-228639-1 MSD	SB69d0.5	Total/NA	Solid	6020	519586

Analysis Batch: 519912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-21	SB50d1.5	Total/NA	Solid	6020	519587
440-228639-22	SB49d1.5	Total/NA	Solid	6020	519587
440-228639-23	SB49d2.5	Total/NA	Solid	6020	519587
440-228639-24	SB50d2.5	Total/NA	Solid	6020	519587
440-228639-25	SB51d0.5	Total/NA	Solid	6020	519587
440-228639-26	SB52d0.5	Total/NA	Solid	6020	519587
440-228639-27	SB52d1.5	Total/NA	Solid	6020	519587
440-228639-28	SB51d1.5	Total/NA	Solid	6020	519587
440-228639-29	SB51d2.5	Total/NA	Solid	6020	519587
440-228639-30	SB52d2.5	Total/NA	Solid	6020	519587

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Metals (Continued)

Analysis Batch: 519912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-31	SB53d0.5	Total/NA	Solid	6020	519587
440-228639-32	SB54d0.5	Total/NA	Solid	6020	519587
440-228639-33	SB53d1.5	Total/NA	Solid	6020	519587
440-228639-34	SB54d1.5	Total/NA	Solid	6020	519587
440-228639-35	SB53d2.5	Total/NA	Solid	6020	519587
440-228639-36	SB54d2.5	Total/NA	Solid	6020	519587
440-228639-37	SB55d0.5	Total/NA	Solid	6020	519587
440-228639-38	SB20d0.5	Total/NA	Solid	6020	519587
440-228639-39	SB55d1.5	Total/NA	Solid	6020	519587
440-228639-40	SB20d1.5	Total/NA	Solid	6020	519587
MB 440-519587/1-A ^20	Method Blank	Total/NA	Solid	6020	519587
LCS 440-519587/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	519587
440-228639-21 MS	SB50d1.5	Total/NA	Solid	6020	519587
440-228639-21 MSD	SB50d1.5	Total/NA	Solid	6020	519587

Analysis Batch: 519917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-41	SB20d2.5	Total/NA	Solid	6010B	519588
440-228639-42	SB55d2.5	Total/NA	Solid	6010B	519588
440-228639-43	SB21d0.5	Total/NA	Solid	6010B	519588
440-228639-44	SB22d0.5	Total/NA	Solid	6010B	519588
440-228639-49	SB23d0.5	Total/NA	Solid	6010B	519588
440-228639-50	SB24d0.5	Total/NA	Solid	6010B	519588
440-228639-51	SB23d1.5	Total/NA	Solid	6010B	519588
440-228639-52	SB24d1.5	Total/NA	Solid	6010B	519588
440-228639-53	SB23d2.5	Total/NA	Solid	6010B	519588
440-228639-54	SB24d2.5	Total/NA	Solid	6010B	519588
440-228639-55	SB04d0.5	Total/NA	Solid	6010B	519588
440-228639-56	SB04d1.5	Total/NA	Solid	6010B	519588
440-228639-57	SB03d0.5	Total/NA	Solid	6010B	519588
440-228639-58	SB04d2.5	Total/NA	Solid	6010B	519588
440-228639-59	SB02d0.5	Total/NA	Solid	6010B	519588
440-228639-60	SB03d1.5	Total/NA	Solid	6010B	519588
440-228639-61	SB03d2.5	Total/NA	Solid	6010B	519588
440-228639-62	Duplicate 1	Total/NA	Solid	6010B	519588
440-228639-63	Duplicate 2	Total/NA	Solid	6010B	519588
MB 440-519588/1-A ^5	Method Blank	Total/NA	Solid	6010B	519588
LCS 440-519588/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	519588
440-228639-43 MS	SB21d0.5	Total/NA	Solid	6010B	519588
440-228639-43 MSD	SB21d0.5	Total/NA	Solid	6010B	519588

Analysis Batch: 519919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-41	SB20d2.5	Total/NA	Solid	6020	519588
440-228639-42	SB55d2.5	Total/NA	Solid	6020	519588
440-228639-43	SB21d0.5	Total/NA	Solid	6020	519588
440-228639-44	SB22d0.5	Total/NA	Solid	6020	519588
440-228639-49	SB23d0.5	Total/NA	Solid	6020	519588
440-228639-50	SB24d0.5	Total/NA	Solid	6020	519588
440-228639-51	SB23d1.5	Total/NA	Solid	6020	519588
440-228639-52	SB24d1.5	Total/NA	Solid	6020	519588

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Metals (Continued)

Analysis Batch: 519919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-53	SB23d2.5	Total/NA	Solid	6020	519588
440-228639-54	SB24d2.5	Total/NA	Solid	6020	519588
440-228639-55	SB04d0.5	Total/NA	Solid	6020	519588
440-228639-56	SB04d1.5	Total/NA	Solid	6020	519588
440-228639-57	SB03d0.5	Total/NA	Solid	6020	519588
440-228639-58	SB04d2.5	Total/NA	Solid	6020	519588
440-228639-59	SB02d0.5	Total/NA	Solid	6020	519588
440-228639-60	SB03d1.5	Total/NA	Solid	6020	519588
440-228639-61	SB03d2.5	Total/NA	Solid	6020	519588
440-228639-62	Duplicate 1	Total/NA	Solid	6020	519588
440-228639-63	Duplicate 2	Total/NA	Solid	6020	519588
MB 440-519588/1-A ^20	Method Blank	Total/NA	Solid	6020	519588
LCS 440-519588/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	519588
440-228639-43 MS	SB21d0.5	Total/NA	Solid	6020	519588
440-228639-43 MSD	SB21d0.5	Total/NA	Solid	6020	519588

Analysis Batch: 519986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-1	SB69d0.5	Total/NA	Solid	6010B	519586
440-228639-2	SB69d1.5	Total/NA	Solid	6010B	519586
440-228639-3	SB69d2.5	Total/NA	Solid	6010B	519586
440-228639-4	SB33d0.5	Total/NA	Solid	6010B	519586
440-228639-5	SB33d1.5	Total/NA	Solid	6010B	519586
440-228639-6	SB33d2.5	Total/NA	Solid	6010B	519586
440-228639-7	SB32d0.5	Total/NA	Solid	6010B	519586
440-228639-8	SB31d0.5	Total/NA	Solid	6010B	519586
440-228639-9	SB32d1.5	Total/NA	Solid	6010B	519586
440-228639-10	SB31d1.5	Total/NA	Solid	6010B	519586
440-228639-11	SB32d2.5	Total/NA	Solid	6010B	519586
440-228639-12	SB31d2.5	Total/NA	Solid	6010B	519586
440-228639-13	SB47d0.5	Total/NA	Solid	6010B	519586
440-228639-14	SB48d0.5	Total/NA	Solid	6010B	519586
440-228639-15	SB47d1.5	Total/NA	Solid	6010B	519586
440-228639-16	SB48d1.5	Total/NA	Solid	6010B	519586
440-228639-17	SB48d2.5	Total/NA	Solid	6010B	519586
440-228639-18	SB47d2.5	Total/NA	Solid	6010B	519586
440-228639-19	SB49d0.5	Total/NA	Solid	6010B	519586
440-228639-20	SB50d0.5	Total/NA	Solid	6010B	519586
440-228639-21	SB50d1.5	Total/NA	Solid	6010B	519587
440-228639-22	SB49d1.5	Total/NA	Solid	6010B	519587
440-228639-23	SB49d2.5	Total/NA	Solid	6010B	519587
440-228639-24	SB50d2.5	Total/NA	Solid	6010B	519587
440-228639-25	SB51d0.5	Total/NA	Solid	6010B	519587
440-228639-26	SB52d0.5	Total/NA	Solid	6010B	519587
440-228639-27	SB52d1.5	Total/NA	Solid	6010B	519587
440-228639-28	SB51d1.5	Total/NA	Solid	6010B	519587
440-228639-29	SB51d2.5	Total/NA	Solid	6010B	519587
440-228639-30	SB52d2.5	Total/NA	Solid	6010B	519587
440-228639-31	SB53d0.5	Total/NA	Solid	6010B	519587
440-228639-32	SB54d0.5	Total/NA	Solid	6010B	519587
440-228639-33	SB53d1.5	Total/NA	Solid	6010B	519587

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Metals (Continued)

Analysis Batch: 519986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-34	SB54d1.5	Total/NA	Solid	6010B	519587
440-228639-35	SB53d2.5	Total/NA	Solid	6010B	519587
440-228639-36	SB54d2.5	Total/NA	Solid	6010B	519587
440-228639-37	SB55d0.5	Total/NA	Solid	6010B	519587
440-228639-38	SB20d0.5	Total/NA	Solid	6010B	519587
440-228639-39	SB55d1.5	Total/NA	Solid	6010B	519587
440-228639-40	SB20d1.5	Total/NA	Solid	6010B	519587
MB 440-519586/1-A ^5	Method Blank	Total/NA	Solid	6010B	519586
MB 440-519587/1-A ^5	Method Blank	Total/NA	Solid	6010B	519587
LCS 440-519586/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	519586
LCS 440-519587/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	519587
440-228639-1 MS	SB69d0.5	Total/NA	Solid	6010B	519586
440-228639-1 MSD	SB69d0.5	Total/NA	Solid	6010B	519586
440-228639-21 MS	SB50d1.5	Total/NA	Solid	6010B	519587
440-228639-21 MSD	SB50d1.5	Total/NA	Solid	6010B	519587

Prep Batch: 521058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-10	SB31d1.5	Total/NA	Solid	3050B	
MB 440-521058/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-521058/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-229072-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-229072-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 521314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-10	SB31d1.5	Total/NA	Solid	6010B	521058
MB 440-521058/1-A ^5	Method Blank	Total/NA	Solid	6010B	521058
LCS 440-521058/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	521058
440-229072-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	521058
440-229072-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	521058

Leach Batch: 523505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-16	SB48d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228639-21	SB50d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228639-22	SB49d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228639-26	SB52d0.5	STLC Citrate	Solid	CA WET Citrate	
440-228639-29	SB51d2.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-523505/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-523505/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228639-16 MS	SB48d1.5	STLC Citrate	Solid	CA WET Citrate	
440-228639-16 MSD	SB48d1.5	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 523743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-16	SB48d1.5	STLC Citrate	Solid	6010B	523505
440-228639-21	SB50d1.5	STLC Citrate	Solid	6010B	523505
440-228639-22	SB49d1.5	STLC Citrate	Solid	6010B	523505
440-228639-26	SB52d0.5	STLC Citrate	Solid	6010B	523505
440-228639-29	SB51d2.5	STLC Citrate	Solid	6010B	523505

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Metals (Continued)

Analysis Batch: 523743 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-523505/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	523505
LCS 440-523505/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	523505
440-228639-16 MS	SB48d1.5	STLC Citrate	Solid	6010B	523505
440-228639-16 MSD	SB48d1.5	STLC Citrate	Solid	6010B	523505

Leach Batch: 525175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-16	SB48d1.5	TCLP	Solid	1311	
440-228639-22	SB49d1.5	TCLP	Solid	1311	
MB 440-525175/1-B	Method Blank	TCLP	Solid	1311	
LCS 440-525175/2-B	Lab Control Sample	TCLP	Solid	1311	
440-230246-A-21-G MS	Matrix Spike	TCLP	Solid	1311	
440-230246-A-21-H MSD	Matrix Spike Duplicate	TCLP	Solid	1311	

Prep Batch: 525273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-16	SB48d1.5	TCLP	Solid	3010A	525175
440-228639-22	SB49d1.5	TCLP	Solid	3010A	525175
MB 440-525175/1-B	Method Blank	TCLP	Solid	3010A	525175
LCS 440-525175/2-B	Lab Control Sample	TCLP	Solid	3010A	525175
440-230246-A-21-G MS	Matrix Spike	TCLP	Solid	3010A	525175
440-230246-A-21-H MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	525175

Analysis Batch: 525635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228639-16	SB48d1.5	TCLP	Solid	6010B	525273
440-228639-22	SB49d1.5	TCLP	Solid	6010B	525273
MB 440-525175/1-B	Method Blank	TCLP	Solid	6010B	525273
LCS 440-525175/2-B	Lab Control Sample	TCLP	Solid	6010B	525273
440-230246-A-21-G MS	Matrix Spike	TCLP	Solid	6010B	525273
440-230246-A-21-H MSD	Matrix Spike Duplicate	TCLP	Solid	6010B	525273

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228639-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8270C SIM	3546	Solid	Acenaphthene
8270C SIM	3546	Solid	Acenaphthylene
8270C SIM	3546	Solid	Anthracene
8270C SIM	3546	Solid	Benzo[a]anthracene
8270C SIM	3546	Solid	Benzo[a]pyrene
8270C SIM	3546	Solid	Benzo[b]fluoranthene
8270C SIM	3546	Solid	Benzo[g,h,i]perylene
8270C SIM	3546	Solid	Benzo[k]fluoranthene
8270C SIM	3546	Solid	Chrysene
8270C SIM	3546	Solid	Dibenz(a,h)anthracene
8270C SIM	3546	Solid	Fluoranthene
8270C SIM	3546	Solid	Fluorene
8270C SIM	3546	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3546	Solid	Naphthalene
8270C SIM	3546	Solid	Phenanthrene
8270C SIM	3546	Solid	Pyrene



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Report for:

Ms. Urvashi Patel
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-228639-1
 EML ID: 2066368

Approved by:

Approved Signatory
 Danny Li

REVISED REPORT

Dates of Analysis:
 Asbestos PLM: 03-28-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: TestAmerica-Irvine
 C/O: Ms. Urvashi Patel
 Re: 440-228639-1

Date of Sampling: 12-20-2018
 Date of Receipt: 12-26-2018
 Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Total Samples Submitted: 13
Total Samples Analyzed: 13
Total Samples with Layer Asbestos Content > 1%: 0

Location: SB33D0.5 (440-228639-4)

Lab ID-Version‡: 9763683-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB33D1.5 (440-228639-5)

Lab ID-Version‡: 9763684-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB33D2.5 (440-228639-6)

Lab ID-Version‡: 9763685-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



EMLab P&K

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Client: TestAmerica-Irvine
C/O: Ms. Urvashi Patel
Re: 440-228639-1

Date of Sampling: 12-20-2018
Date of Receipt: 12-26-2018
Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Location: SB48D0.5 (440-228639-14)

Lab ID-Version‡: 9763686-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB48D1.5 (440-228639-16)

Lab ID-Version‡: 9763687-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

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Client: TestAmerica-Irvine
 C/O: Ms. Urvashi Patel
 Re: 440-228639-1

Date of Sampling: 12-20-2018
 Date of Receipt: 12-26-2018
 Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Location: SB48D2.5 (440-228639-17)

Lab ID-Version‡: 9763688-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB55D0.5 (440-228639-37)

Lab ID-Version‡: 9763689-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB55D1.5 (440-228639-39)

Lab ID-Version‡: 9763690-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

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Client: TestAmerica-Irvine
C/O: Ms. Urvashi Patel
Re: 440-228639-1

Date of Sampling: 12-20-2018
Date of Receipt: 12-26-2018
Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Location: SB55D2.5 (440-228639-42)

Lab ID-Version‡: 9763691-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity:	Moderate

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

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Client: TestAmerica-Irvine
 C/O: Ms. Urvashi Patel
 Re: 440-228639-1

Date of Sampling: 12-20-2018
 Date of Receipt: 12-26-2018
 Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Location: SB22D0.5 (440-228639-44)

Lab ID-Version‡: 9763692-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB04D0.5 (440-228639-55)

Lab ID-Version‡: 9763693-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB04D1.5 (440-228639-56)

Lab ID-Version‡: 9763694-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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Client: TestAmerica-Irvine
C/O: Ms. Urvashi Patel
Re: 440-228639-1

Date of Sampling: 12-20-2018
Date of Receipt: 12-26-2018
Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Location: SB04D2.5 (440-228639-58)

Lab ID-Version‡: 9763695-4

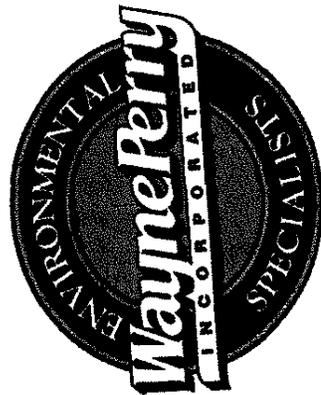
Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity:	Moderate

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

2057

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA

WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
Result Turnaround: 3-5 Day or Standard : *ASP Analytical* [®]
3-5 day

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com

Additional Instructions:
Quote No. 44021693
EDD Required
Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCs by EPA Method 8081	Asbestos	Comments
1 SB32d2.5	12/20/18	0845	soil	1	X	X	X	X				
2 SB31d2.5		0850		1	X	X	X	X				
3 SB47d0.5		0855		1	X	X	X	X				
4 SB48d0.5		0900		2	X	X	X	X			X	
5 SB47d1.5		0905		1	X	X	X	X			X	
6 SB48d1.5		0910		2	X	X	X	X			X	
7 SB48d2.5		0915		2	X	X	X	X			X	
8 SB47d2.5		0920		1	X	X	X	X				
9 SB49d0.5		0930		1	X	X	X	X	X			
10 SB50d0.5		0935		1	X	X	X	X	X			

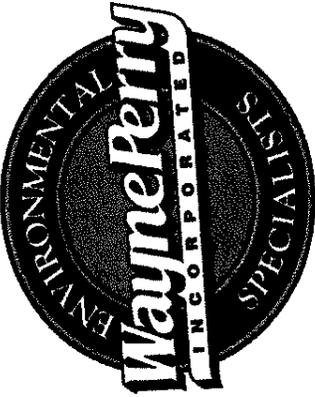
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Received By: *Will Rava*

Date: 12/20/18 Time: 1650
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Date: 12/21/18 Time: 1650

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3 of 7

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com
Result Turnaround: 3-5 days
Standard: OCP Analytical
3-dcl

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Comments
1 SB50 d1.5	12/29/18	0945	Soil	1	X	X			X	49,50,51,52	
2 SB49 d1.5		0950		1	X	X			X	49,50,51,52	
3 SB49 d2.5		0955			X	X			X	49,50,51,52	
4 SB50 d2.5		1000			X	X		X	X	49,50,51,52	
5 SB51 d0.5		1010			X	X			X	49,50,51,52	
6 SB52 d0.5		1020			X	X	X		X	49,50,51,52	
7 SB52 d1.5		1030			X	X	X		X	49,50,51,52	
8 SB51 d1.5		1040			X	X	X		X	49,50,51,52	
9 SB51 d2.5		1045			X	X	X		X	49,50,51,52	
10 SB52 d2.5		1050			X	X	X		X	49,50,51,52	

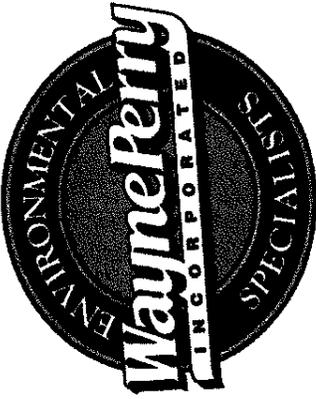
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Date: 12/20/18
Time: 1650

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Received By: Will Revo
Date: 12/21/18
Time: 1350

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Received By: [Signature]
Date: 12/21/18
Time: 1650



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WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
Result Turnaround: 3-5 days
at/dsc - standard
Composite indicated
3-day turnaround

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com
Method 8270 SIM
Method 8082
by EPA
6010B/7471A
CAM 17 Metals
Method 6010B
Lead by EPA
Method 6020
Arsenic by EPA
Method 6020
No. of Cont.
Matrix
Additional Instructions:
Quote No. 44021693
EDD Required
Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos	Comments
1 SB53d0.5	12/20/18	1145	SOIL	1	X	X				204000.10		
2 SB54d0.5		1150		1	X	X			53,54,55			
3 SB55d0.5		1200		1	X	X			53,54,55			
4 SB54d1.5		1205		1	X	X			0 53,54,55			
5 SB53d2.5		1210		1	X	X			0 53,54,55			
6 SB54d2.5		1215		1	X	X			X 53,54,55			
7 SB55d0.5		1225		2	X	X			X 53,54,55			
8 SB20d0.5		1230		1	X	X	X		53,54,55		X	
9 SB55d1.5		1235		2	X	X			X 53,54,55			
10 SB20d1.5		1240		1	X	X	X		X 53,54,55			

Relinquished By: [Signature]
Received By: [Signature]
Date: 12/20/18 Time: 1650
Relinquished By: Will Rivera
Received By: Will Rivera
Date: 12/21/18 Time: 1350
Date: 12/21/18 Time: 1650





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 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day - OCP composite only **(E)**
 all others - standard

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Methods										Comments		
					Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos	PLM	Asbestos	Asbestos			
1 SB 20 d 2.5	12/20/18	1240	Soil	1	X	X	X	X									
2 SB 55 d 2.5		1245		2	X	X	X	X									
3 SB 21 d 0.5		1255		1	X	X	X	X									
4 SB 22 d 0.5		1300		2	X	X	X	X									
5 SB 22 d 1.5		1305		2	X	X	X	X									
6 SB 21 d 1.5		1310		1	X	X	X	X									
7 SB 21 d 2.5		1315		1	X	X	X	X									
8 SB 22 d 2.5		1320		2	X	X	X	X									
9 SB 23 d 0.5		1335		1	X	X	X	X									
10 SB 24 d 0.5		1340		1	X	X	X	X									

Requisitioned By: *[Signature]* Date: 12/20/18 Time: 1650
 Relinquished By: *Will Reiva* Date: 12/21/18 Time: 1350
Will Reiva Date: 12/21/18 Time: 1650



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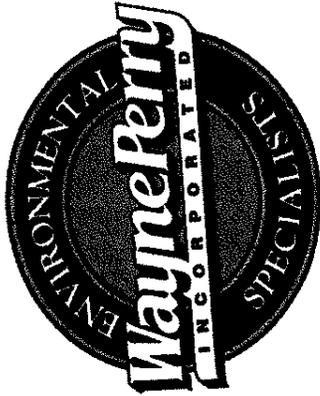


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(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School			WPI Job Number: 180618									
Site Address: 1447 East 45 th Street, Los Angeles, CA			Laboratory: TestAmerica									
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com			Sampled By: Robert Deamer									
Additional Instructions: Quote No. 44021693 EDD Required Follow DTSC composite sampling protocol wherever composites are requested.			Result Turnaround: 3-Day <i>ERP Analyzes only</i> <i>all others - standard</i>									
Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Method					Comments		
					Method 6020 Arsenic by EPA	Method 6010B Lead by EPA	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM		OCPs by EPA Method 8081	Asbestos PLM
1 SB23d1.5	12/20/18	1345	soil	1	X	X			X			
2 SB24d1.5	12/20/18	1350	soil	1	X	X			X			
3 SB23d2.5		1355		1	X	X			X			
4 SB24d2.5		1400		2	X	X				1,2,13,4	X	
5 SB04d0.5		1405		2	X	X				1,2,13,4	X	
6 SB04d1.5		1415		2	X	X			X	1,2,13,4	X	
7 SB03d0.5		1420		2	X	X						
8 SB04d2.5		1425		1	X	X			X			
9 SB02d0.5		1430		1	X	X			X			
10 SB03d1.5		1435		1	X	X			X			
Relinquished By:			Received By:			Date: 12/20/18	Time: 1650					
Relinquished By:			Received By:			Date: 12/21/18	Time: 1350					
Will. Reina			Will. Reina			Date: 12/21/18	Time: 1650					





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CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School			WPI Job Number: 180618							
Site Address: 1447 East 45 th Street, Los Angeles, CA			Laboratory: TestAmerica							
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com			Sampled By: Robert Deamer							
Additional Instructions: Quote No. 44021693 EDD Required Follow DTSC composite sampling protocol wherever composites are requested.			Result Turnaround: 3-Day - exp composite only Standard - all others							
Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Method				Comments	
					Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082		PAHs by EPA Method 8270 SIM
1 SB0312.5	12/20/18	1440	Soil	1	X	X			X	
2 Duplicate 1	12/20/18	1530	Soil	1	X	X				
3 Duplicate 2	12/20/18	1530	Soil	1	X	X				
4 Eq Blank	12/20/18	1535	WATER	1	X	X				
5										
6										
7										
8										
9										
10										

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Boring ID	Matrix	Sample Depths	Analysis	Notes
SB01	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Lunch Shelter
SB02	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB03	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB04	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
COMP-01,02,03,04	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB05	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	Cafeteria
SB06	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB07	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB08	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
COMP-05,06,07	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB09	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB10	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB11	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB12	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
COMP-09,10,11,12	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB13	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB14	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB15	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB16	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-13,14,15,16	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB17	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	Auditorium and Classroom (adj.)
SB18	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB19	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB20	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
COMP-17,18,19,24	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB21	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB22	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB23	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB24	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-20,21,22,23	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB25	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB27A	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB27B	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
COMP-25,26,27A,27B	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB28	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB29	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Administrative and Classroom
SB30	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
COMP-28,29,30	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB31	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB32	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB33	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB34	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-31,32,33,34	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB35	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB36	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB37	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB38	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
COMP-35,36,37,38	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB39	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB40	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB41	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB42	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
COMP-39,40,41,42	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB43	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB44	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB45	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
COMP-43,44,45	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB46	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB47	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB48	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	Arco-rits
COMP-46,47,48	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB49	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB50	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB51	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
COMP-49,50,51,52	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB53	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB54	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB55	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
COMP-53,54,55	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB56	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB57	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB58	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB59	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-56,57,58,59	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB60	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB61	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB62	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB63	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB64	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
COMP-56,57,58,59	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB65	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB66	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB67	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB68	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB69	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-60,61,62,63	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB63	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	
SB62	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB61	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB60	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-60,61,62,63	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived

Table 1
Ascot Elementary Sampling Plan

Table 1
Ascot Elementary Sampling Plan

Boing ID	Matrix	Sample Depths	Analysts	Notes
SB64	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	Northwest Parking Lot
SB65	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB66	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB67	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-64,65,66,67	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB68	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Northwest Parking Lot/Athletic Area
SB69	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB70	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB71	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB72	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
COMP-68,69,70,71	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
Notes:				
OCPs				
PCBs				
organochlorine pesticides				
polychlorinated biphenyls				

2/5



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
Result Turnaround: 3-Day

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com

all else standard
OCFS analysis Composite 3 day

Additional Instructions: composite per attached table
Quote No. 44021693
EDD Required
Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCFs by EPA Method 8081	Asbestos PLM	Comments
SB17d0.5	12/21/18	0830	soil	1	X	X		X				
SB05d1.5		0835										
SB17d1.5		0840										archive
SB05d2.5		0845										archive
SB17d2.5		0850										archive
SB18d0.5		0855		2	X	X			X		X	
SB19d0.5		0900		1	X	X						archive
SB18d1.5		0905		2	X	X						archive
SB19d2.5		0910		2	X	X						archive
SB18d2.5		0915		2	X	X						archive
SB18d2.5								SB18d.1.5 container (B)				archive

Relinquished By: *[Signature]* Received By: *Will Rivera*
Date: 12/21/18 Time: 1535
Relinquished By: *Will Rivera* Received By: *[Signature]*
Date: 12/21/18 Time: 1650



Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-228639-2

Login Number: 228639

List Source: TestAmerica Irvine

List Number: 1

Creator: Avila, Stephanie 1

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-228638-2

Client Project/Site: LAUSD Soil - Task 3

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 5:06:58 PM

Urvashi Patel, Manager of Project Management

urvashi.patel@testamericainc.com

Designee for

Dennis Tran, Project Manager I

(949)261-1022

dennis.tran@testamericainc.com

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

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

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



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www.testamericainc.com

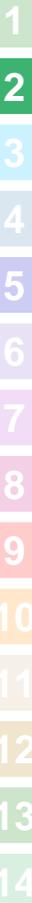


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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-228638-1	SB08d0.5	Solid	12/21/18 07:25	12/21/18 16:50
440-228638-2	SB07d0.5	Solid	12/21/18 07:30	12/21/18 16:50
440-228638-7	SB06d0.5	Solid	12/21/18 08:05	12/21/18 16:50
440-228638-10	SB05d0.5	Solid	12/21/18 08:25	12/21/18 16:50
440-228638-11	SB17d0.5	Solid	12/21/18 08:30	12/21/18 16:50
440-228638-13	SB17d1.5	Solid	12/21/18 08:40	12/21/18 16:50
440-228638-16	SB18d0.5	Solid	12/21/18 08:55	12/21/18 16:50
440-228638-17	SB19d0.5	Solid	12/21/18 09:00	12/21/18 16:50
440-228638-22	SB25d0.5	Solid	12/21/18 09:25	12/21/18 16:50
440-228638-24	SB26d0.5	Solid	12/21/18 09:50	12/21/18 16:50
440-228638-26	SB27Bd0.5	Solid	12/21/18 10:30	12/21/18 16:50
440-228638-27	SB27Ad0.5	Solid	12/21/18 10:35	12/21/18 16:50
440-228638-29	SB28d0.5	Solid	12/21/18 11:00	12/21/18 16:50
440-228638-33	SB30d0.5	Solid	12/21/18 12:40	12/21/18 16:50
440-228638-34	SB29d0.5	Solid	12/21/18 12:45	12/21/18 16:50
440-228638-35	SB30d1.5	Solid	12/21/18 12:50	12/21/18 16:50
440-228638-36	SB29d1.5	Solid	12/21/18 12:55	12/21/18 16:50
440-228638-39	Duplicate 1	Solid	12/21/18 15:00	12/21/18 16:50
440-228638-40	Duplicate 2	Solid	12/21/18 15:30	12/21/18 16:50
440-228638-41	Eq Blank	Water	12/21/18 15:35	12/21/18 16:50
440-228638-42	SB05,SB06,SB07 0 to 0.5 Composite	Solid	12/21/18 08:25	12/21/18 16:50
440-228638-43	SB25,26,27A,27B 0 to 0.5 Composite	Solid	12/21/18 10:35	12/21/18 16:50
440-228638-44	SB28,29,30 0 to 0.5 Composite	Solid	12/21/18 12:45	12/21/18 16:50

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Job ID: 440-228638-2

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-228638-1**

Comments

No additional comments.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC Semi VOA

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

Organic Prep

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

Narrative

**Job Narrative
440-228638-2**

Comments

Amended report to add Bioassay results.
Revised report created to correct case narrative for Emlab P&K

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS Semi VOA

Method(s) 8270C SIM: Internal standard response for Naphthalene-d8 was below acceptance limits for the following sample: (440-228515-D-1-B MS). The sample(s) shows evidence of matrix interference. The affected compounds are marked with an asterisk (*). If the matrix effect is isolated to Naphthalene-d8, then the effect on the associated compounds will be biased high.

Method(s) 8270C SIM: Surrogate recovery for the following samples were above control limits: (440-228515-D-1-D), (440-228515-D-1-B MS) and (440-228515-D-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recovery of Antimony for preparation batch 440-519585 and analytical batch 440-519987 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-519419 and analytical batch 440-519650 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Subcontract non-Sister

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

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Job ID: 440-228638-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Organic Prep

Method(s) 3546: Due to the matrix, the following samples could not be concentrated to the final method required volume: SB19d0.5 (440-228638-17) and SB29d0.5 (440-228638-34). The reporting limits (RLs) are elevated proportionately.440-519234 3546 8270 SIM PAH

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

Subcontract Work

Method Asbestos PLM Bulk 600/R-93/116 (no grinding): This method was subcontracted to EMLab - Irvine. The subcontract laboratory certification is different from that of the facility issuing the final report.

Narrative

Job Narrative
440-228638-3

Comments

Partial report pending Asbestos.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

Metals

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

Organic Prep

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

Narrative

Job Narrative
440-228638-4

Comments

No additional comments.

Receipt

The samples were received on 12/21/2018 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

Metals

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

Organic Prep

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

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB08d0.5

Lab Sample ID: 440-228638-1

Date Collected: 12/21/18 07:25

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:37	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:15	20

Client Sample ID: SB07d0.5

Lab Sample ID: 440-228638-2

Date Collected: 12/21/18 07:30

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		45 - 120	12/26/18 06:27	12/26/18 19:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:48	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:27	20

Client Sample ID: SB06d0.5

Lab Sample ID: 440-228638-7

Date Collected: 12/21/18 08:05

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB06d0.5

Lab Sample ID: 440-228638-7

Date Collected: 12/21/18 08:05

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Pyrene	4.5	J	30	4.0	ug/Kg		12/26/18 07:02	12/27/18 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	97		29 - 120				12/26/18 07:02	12/27/18 16:43	1
Nitrobenzene-d5	92		11 - 118				12/26/18 07:02	12/27/18 16:43	1
Terphenyl-d14	92		10 - 120				12/26/18 07:02	12/27/18 16:43	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		2.0	1.0	mg/Kg		12/27/18 12:12	12/28/18 21:51	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:30	20

Client Sample ID: SB05d0.5

Lab Sample ID: 440-228638-10

Date Collected: 12/21/18 08:25

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Arsenic	2.7	J	3.0	1.5	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Barium	72		1.5	0.74	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Beryllium	0.34	J	0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Cadmium	ND		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Chromium	12		0.99	0.49	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Cobalt	5.2		0.99	0.49	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Copper	11		2.0	1.1	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Nickel	7.7		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Vanadium	28		0.99	0.49	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Zinc	28		4.9	2.5	mg/Kg		12/27/18 12:12	12/28/18 21:53	5
Lead	5.4		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:53	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:32	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 04:55	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB17d0.5

Lab Sample ID: 440-228638-11

Date Collected: 12/21/18 08:30

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	88		45 - 120	12/26/18 06:27	12/26/18 19:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		2.0	0.98	mg/Kg		12/27/18 12:12	12/28/18 22:00	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.6		0.10	0.080	mg/L			01/10/19 17:44	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:39	20

Client Sample ID: SB17d1.5

Lab Sample ID: 440-228638-13

Date Collected: 12/21/18 08:40

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	46		2.0	0.99	mg/Kg		01/03/19 12:36	01/06/19 15:48	5

Client Sample ID: SB18d0.5

Lab Sample ID: 440-228638-16

Date Collected: 12/21/18 08:55

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2		2.0	1.0	mg/Kg		12/27/18 12:12	12/28/18 22:02	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:42	20

Client Sample ID: SB19d0.5

Lab Sample ID: 440-228638-17

Date Collected: 12/21/18 09:00

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Acenaphthylene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB19d0.5

Lab Sample ID: 440-228638-17

Date Collected: 12/21/18 09:00

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	17	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Benzo[a]anthracene	12	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Benzo[a]pyrene	13	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Benzo[b]fluoranthene	20	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Benzo[g,h,i]perylene	12	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Benzo[k]fluoranthene	8.4	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Chrysene	19	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Dibenz(a,h)anthracene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Fluoranthene	21	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Fluorene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Indeno[1,2,3-cd]pyrene	8.0	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Naphthalene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Phenanthrene	28	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Pyrene	31	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	109		29 - 120				12/26/18 07:02	12/27/18 17:08	1
Nitrobenzene-d5	111		11 - 118				12/26/18 07:02	12/27/18 17:08	1
Terphenyl-d14	102		10 - 120				12/26/18 07:02	12/27/18 17:08	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	70		2.0	1.0	mg/Kg		12/27/18 12:12	12/28/18 22:04	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.3		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:44	20

Client Sample ID: SB25d0.5

Lab Sample ID: 440-228638-22

Date Collected: 12/21/18 09:25

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 22:07	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.7		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:47	20

Client Sample ID: SB26d0.5

Lab Sample ID: 440-228638-24

Date Collected: 12/21/18 09:50

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Arsenic	5.2		3.0	1.5	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Barium	130		1.5	0.74	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Beryllium	0.44	J	0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Cadmium	0.38	J	0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 22:09	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB26d0.5

Lab Sample ID: 440-228638-24

Date Collected: 12/21/18 09:50

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27		0.99	0.49	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Cobalt	8.6		0.99	0.49	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Copper	22		2.0	1.1	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Nickel	19		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Thallium	ND		9.9	4.9	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Vanadium	42		0.99	0.49	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Zinc	75		4.9	2.5	mg/Kg		12/27/18 12:12	12/28/18 22:09	5
Lead	35		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 22:09	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.8		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:49	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 04:57	1

Client Sample ID: SB27Bd0.5

Lab Sample ID: 440-228638-26

Date Collected: 12/21/18 10:30

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		45 - 120	12/26/18 06:27	12/26/18 19:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.8		2.0	0.98	mg/Kg		12/27/18 12:12	12/28/18 22:11	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:51	20

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB27Ad0.5

Date Collected: 12/21/18 10:35

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-27

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 22:14	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:54	20

Client Sample ID: SB28d0.5

Date Collected: 12/21/18 11:00

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-29

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		2.0	1.0	mg/Kg		12/27/18 12:12	12/28/18 22:16	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:56	20

Client Sample ID: SB30d0.5

Date Collected: 12/21/18 12:40

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-33

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	87		2.0	1.0	mg/Kg		12/27/18 12:12	12/28/18 22:18	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:59	20

Client Sample ID: SB29d0.5

Date Collected: 12/21/18 12:45

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-34

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Acenaphthylene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Anthracene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Benzo[a]anthracene	55	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Benzo[a]pyrene	57	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Benzo[b]fluoranthene	74		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Benzo[g,h,i]perylene	28	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Benzo[k]fluoranthene	27	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Chrysene	70		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Dibenz(a,h)anthracene	8.9	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Fluoranthene	94		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Fluorene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Indeno[1,2,3-cd]pyrene	29	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Naphthalene	ND		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1
Phenanthrene	37	J	60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB29d0.5

Lab Sample ID: 440-228638-34

Date Collected: 12/21/18 12:45

Matrix: Solid

Date Received: 12/21/18 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	110		60	8.0	ug/Kg		12/26/18 07:02	12/27/18 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	101		29 - 120	12/26/18 07:02	12/27/18 17:32	1
Nitrobenzene-d5	97		11 - 118	12/26/18 07:02	12/27/18 17:32	1
Terphenyl-d14	101		10 - 120	12/26/18 07:02	12/27/18 17:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	320		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 22:25	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.1		0.10	0.080	mg/L			01/07/19 11:28	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 18:01	20

Client Sample ID: SB30d1.5

Lab Sample ID: 440-228638-35

Date Collected: 12/21/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.0	1.0	mg/Kg		01/03/19 12:36	01/06/19 15:50	5

Client Sample ID: SB29d1.5

Lab Sample ID: 440-228638-36

Date Collected: 12/21/18 12:55

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		2.0	1.0	mg/Kg		01/03/19 12:36	01/06/19 15:52	5

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228638-39

Date Collected: 12/21/18 15:00

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		2.0	0.98	mg/Kg		12/27/18 12:12	12/28/18 22:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		0.49	0.25	mg/Kg		12/27/18 12:12	12/28/18 18:08	20

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: Duplicate 2

Date Collected: 12/21/18 15:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-40

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31		2.0	1.0	mg/Kg		12/27/18 12:12	12/28/18 22:30	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 18:11	20

Client Sample ID: Eq Blank

Date Collected: 12/21/18 15:35

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-41

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/27/18 10:47	12/28/18 12:29	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/27/18 10:56	12/27/18 22:02	1

Client Sample ID: SB05,SB06,SB07 0 to 0.5 Composite

Date Collected: 12/21/18 08:25

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-42

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:15	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		28 - 115	12/28/18 06:46	12/29/18 16:15	1
DCB Decachlorobiphenyl (Surr)	60		21 - 117	12/28/18 06:46	12/29/18 16:15	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB25,26,27A,27B 0 to 0.5 Composite

Lab Sample ID: 440-228638-43

Date Collected: 12/21/18 10:35

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Chlordane (technical)	ND		49	9.8	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
delta-BHC	ND		9.8	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Endrin ketone	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Heptachlor	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:30	1
Toxaphene	ND		200	49	ug/Kg		12/28/18 06:46	12/29/18 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		28 - 115	12/28/18 06:46	12/29/18 16:30	1
DCB Decachlorobiphenyl (Surr)	64		21 - 117	12/28/18 06:46	12/29/18 16:30	1

Client Sample ID: SB28,29,30 0 to 0.5 Composite

Lab Sample ID: 440-228638-44

Date Collected: 12/21/18 12:45

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Chlordane (technical)	12	J	50	9.9	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 16:45	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB28,29,30 0 to 0.5 Composite

Lab Sample ID: 440-228638-44

Date Collected: 12/21/18 12:45

Matrix: Solid

Date Received: 12/21/18 16:50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		28 - 115				12/28/18 06:46	12/29/18 16:45	1
DCB Decachlorobiphenyl (Surr)	61		21 - 117				12/28/18 06:46	12/29/18 16:45	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Method	Method Description	Protocol	Laboratory
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
6020	Metals (ICP/MS)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
Subcontract	Asbestos PLM Bulk 600/R-93/116 (no grinding)	None	EMLab
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

None = None

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

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB08d0.5

Date Collected: 12/21/18 07:25

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 21:37	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:15	MQP	TAL IRV

Client Sample ID: SB07d0.5

Date Collected: 12/21/18 07:30

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 19:22	JM	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 21:48	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:27	MQP	TAL IRV

Client Sample ID: SB06d0.5

Date Collected: 12/21/18 08:05

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	1 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 16:43	HN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 21:51	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:30	MQP	TAL IRV

Client Sample ID: SB05d0.5

Date Collected: 12/21/18 08:25

Date Received: 12/21/18 16:50

Lab Sample ID: 440-228638-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			520801	12/28/18 21:53	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:32	MQP	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 04:55	DB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB17d0.5

Lab Sample ID: 440-228638-11

Date Collected: 12/21/18 08:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 19:37	JM	TAL IRV
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	521274	01/08/19 16:17	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			521806	01/10/19 17:44	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:00	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:39	MQP	TAL IRV

Client Sample ID: SB17d1.5

Lab Sample ID: 440-228638-13

Date Collected: 12/21/18 08:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	520580	01/03/19 12:36	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 15:48	P1R	TAL IRV

Client Sample ID: SB18d0.5

Lab Sample ID: 440-228638-16

Date Collected: 12/21/18 08:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:02	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:42	MQP	TAL IRV

Client Sample ID: SB19d0.5

Lab Sample ID: 440-228638-17

Date Collected: 12/21/18 09:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 17:08	HN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:04	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:44	MQP	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB25d0.5

Lab Sample ID: 440-228638-22

Date Collected: 12/21/18 09:25

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:07	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:47	MQP	TAL IRV

Client Sample ID: SB26d0.5

Lab Sample ID: 440-228638-24

Date Collected: 12/21/18 09:50

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:09	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:49	MQP	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	519419	12/26/18 17:58	DB	TAL IRV
Total/NA	Analysis	7471A		1			519650	12/27/18 04:57	DB	TAL IRV

Client Sample ID: SB27Bd0.5

Lab Sample ID: 440-228638-26

Date Collected: 12/21/18 10:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	519215	12/26/18 06:27	L1A	TAL IRV
Total/NA	Analysis	8082		1			519370	12/26/18 19:51	JM	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:11	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:51	MQP	TAL IRV

Client Sample ID: SB27Ad0.5

Lab Sample ID: 440-228638-27

Date Collected: 12/21/18 10:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:14	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:54	MQP	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB28d0.5

Lab Sample ID: 440-228638-29

Date Collected: 12/21/18 11:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:16	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:56	MQP	TAL IRV

Client Sample ID: SB30d0.5

Lab Sample ID: 440-228638-33

Date Collected: 12/21/18 12:40

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:18	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 17:59	MQP	TAL IRV

Client Sample ID: SB29d0.5

Lab Sample ID: 440-228638-34

Date Collected: 12/21/18 12:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	519234	12/26/18 07:02	L1A	TAL IRV
Total/NA	Analysis	8270C SIM		1			519590	12/27/18 17:32	HN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	520839	01/05/19 00:46	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			520992	01/07/19 11:28	TQN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:25	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 18:01	MQP	TAL IRV

Client Sample ID: SB30d1.5

Lab Sample ID: 440-228638-35

Date Collected: 12/21/18 12:50

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	520580	01/03/19 12:36	DEG	TAL IRV
Total/NA	Analysis	6010B		5			520904	01/06/19 15:50	P1R	TAL IRV

Client Sample ID: SB29d1.5

Lab Sample ID: 440-228638-36

Date Collected: 12/21/18 12:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	520580	01/03/19 12:36	DEG	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB29d1.5

Lab Sample ID: 440-228638-36

Date Collected: 12/21/18 12:55

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			520904	01/06/19 15:52	P1R	TAL IRV

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228638-39

Date Collected: 12/21/18 15:00

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:27	VS	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 18:08	MQP	TAL IRV

Client Sample ID: Duplicate 2

Lab Sample ID: 440-228638-40

Date Collected: 12/21/18 15:30

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6010B		5			519987	12/28/18 22:30	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	519585	12/27/18 12:12	DT	TAL IRV
Total/NA	Analysis	6020		20			519933	12/28/18 18:11	MQP	TAL IRV

Client Sample ID: Eq Blank

Lab Sample ID: 440-228638-41

Date Collected: 12/21/18 15:35

Matrix: Water

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	519540	12/27/18 10:47	KE	TAL IRV
Total Recoverable	Analysis	6010B		1			519867	12/28/18 12:29	VS	TAL IRV
Total Recoverable	Prep	3005A			25 mL	25 mL	519544	12/27/18 10:56	KE	TAL IRV
Total Recoverable	Analysis	6020		1			519731	12/27/18 22:02	P1R	TAL IRV

Client Sample ID: SB05,SB06,SB07 0 to 0.5 Composite

Lab Sample ID: 440-228638-42

Date Collected: 12/21/18 08:25

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 16:15	D1D	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Client Sample ID: SB25,26,27A,27B 0 to 0.5 Composite

Lab Sample ID: 440-228638-43

Date Collected: 12/21/18 10:35

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.25 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 16:30	D1D	TAL IRV

Client Sample ID: SB28,29,30 0 to 0.5 Composite

Lab Sample ID: 440-228638-44

Date Collected: 12/21/18 12:45

Matrix: Solid

Date Received: 12/21/18 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.13 g	2 mL	519755	12/28/18 06:46	L1A	TAL IRV
Total/NA	Analysis	8081A		1			519988	12/29/18 16:45	D1D	TAL IRV

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

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

Lab Sample ID: MB 440-519234/1-A

Matrix: Solid

Analysis Batch: 520063

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Chrysene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Fluoranthene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Fluorene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Naphthalene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Phenanthrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1
Pyrene	ND		30	4.0	ug/Kg		12/26/18 07:02	12/30/18 13:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	91		29 - 120	12/26/18 07:02	12/30/18 13:13	1
Nitrobenzene-d5	79		11 - 118	12/26/18 07:02	12/30/18 13:13	1
Terphenyl-d14	88		10 - 120	12/26/18 07:02	12/30/18 13:13	1

Lab Sample ID: LCS 440-519234/2-A

Matrix: Solid

Analysis Batch: 520063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	66.7	56.5		ug/Kg		85	48 - 120
Acenaphthylene	66.7	57.6		ug/Kg		86	47 - 120
Anthracene	66.7	57.2		ug/Kg		86	46 - 120
Benzo[a]anthracene	66.7	55.9		ug/Kg		84	48 - 120
Benzo[a]pyrene	66.7	55.0		ug/Kg		82	48 - 120
Benzo[b]fluoranthene	66.7	53.8		ug/Kg		81	49 - 120
Benzo[g,h,i]perylene	66.7	59.3		ug/Kg		89	38 - 127
Benzo[k]fluoranthene	66.7	57.5		ug/Kg		86	48 - 120
Chrysene	66.7	56.6		ug/Kg		85	48 - 120
Dibenz(a,h)anthracene	66.7	58.0		ug/Kg		87	39 - 120
Fluoranthene	66.7	62.7		ug/Kg		94	46 - 120
Fluorene	66.7	61.3		ug/Kg		92	47 - 120
Indeno[1,2,3-cd]pyrene	66.7	73.9		ug/Kg		111	42 - 120
Naphthalene	66.7	55.6		ug/Kg		83	46 - 120
Phenanthrene	66.7	58.7		ug/Kg		88	47 - 120
Pyrene	66.7	63.6		ug/Kg		95	46 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	94		29 - 120
Nitrobenzene-d5	81		11 - 118

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

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

Lab Sample ID: LCS 440-519234/2-A
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519234

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	93		10 - 120

Lab Sample ID: 440-228515-D-1-B MS
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Acenaphthene	ND		66.5	63.0		ug/Kg		95	10 - 150
Acenaphthylene	ND		66.5	62.9		ug/Kg		94	23 - 114
Anthracene	ND		66.5	62.2		ug/Kg		93	10 - 150
Benzo[a]anthracene	ND		66.5	59.3		ug/Kg		89	10 - 150
Benzo[a]pyrene	ND		66.5	55.6		ug/Kg		84	10 - 150
Benzo[b]fluoranthene	ND		66.5	54.2		ug/Kg		81	10 - 150
Benzo[g,h,i]perylene	ND		66.5	60.1		ug/Kg		90	10 - 143
Benzo[k]fluoranthene	ND		66.5	56.7		ug/Kg		85	10 - 150
Chrysene	ND		66.5	58.5		ug/Kg		88	10 - 150
Dibenz(a,h)anthracene	ND		66.5	59.9		ug/Kg		90	10 - 127
Fluoranthene	ND		66.5	70.3		ug/Kg		106	10 - 150
Fluorene	ND		66.5	73.1		ug/Kg		110	10 - 150
Indeno[1,2,3-cd]pyrene	ND		66.5	56.6		ug/Kg		85	10 - 138
Naphthalene	ND		66.5	63.9	*	ug/Kg		96	10 - 150
Phenanthrene	4.2	J	66.5	66.9		ug/Kg		94	10 - 150
Pyrene	ND		66.5	70.8		ug/Kg		106	10 - 150

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	101		29 - 120
Nitrobenzene-d5	359	X *	11 - 118
Terphenyl-d14	92		10 - 120

Lab Sample ID: 440-228515-D-1-C MSD
Matrix: Solid
Analysis Batch: 520063

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	
				Result	Qualifier					RPD	Limit
Acenaphthene	ND		66.6	60.6		ug/Kg		91	10 - 150	4	39
Acenaphthylene	ND		66.6	61.4		ug/Kg		92	23 - 114	2	38
Anthracene	ND		66.6	56.2		ug/Kg		84	10 - 150	10	40
Benzo[a]anthracene	ND		66.6	57.1		ug/Kg		86	10 - 150	4	40
Benzo[a]pyrene	ND		66.6	51.1		ug/Kg		77	10 - 150	8	40
Benzo[b]fluoranthene	ND		66.6	51.4		ug/Kg		77	10 - 150	5	40
Benzo[g,h,i]perylene	ND		66.6	56.8		ug/Kg		85	10 - 143	6	40
Benzo[k]fluoranthene	ND		66.6	52.1		ug/Kg		78	10 - 150	8	40
Chrysene	ND		66.6	55.0		ug/Kg		83	10 - 150	6	40
Dibenz(a,h)anthracene	ND		66.6	53.4		ug/Kg		80	10 - 127	11	40
Fluoranthene	ND		66.6	64.6		ug/Kg		97	10 - 150	8	40
Fluorene	ND		66.6	68.0		ug/Kg		102	10 - 150	7	40
Indeno[1,2,3-cd]pyrene	ND		66.6	67.3		ug/Kg		101	10 - 138	17	40
Naphthalene	ND		66.6	57.3		ug/Kg		86	10 - 150	11	40

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

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

Lab Sample ID: 440-228515-D-1-C MSD

Matrix: Solid

Analysis Batch: 520063

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 519234

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Phenanthrene	4.2	J	66.6	63.9		ug/Kg		90	10 - 150	5	40
Pyrene	ND		66.6	66.2		ug/Kg		99	10 - 150	7	40

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	95		29 - 120
Nitrobenzene-d5	368	X	11 - 118
Terphenyl-d14	84		10 - 120

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-519755/1-A

Matrix: Solid

Analysis Batch: 519988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519755

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 06:46	12/29/18 11:45	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 06:46	12/29/18 11:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	83		28 - 115	12/28/18 06:46	12/29/18 11:45	1
DCB Decachlorobiphenyl (Surr)	106		21 - 117	12/28/18 06:46	12/29/18 11:45	1

Lab Sample ID: LCS 440-519755/2-A

Matrix: Solid

Analysis Batch: 519988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519755

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Added	Result				Qualifier
4,4'-DDD	13.3	12.6		ug/Kg		94	59 - 118
4,4'-DDE	13.3	11.7		ug/Kg		88	55 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-519755/2-A
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDT	13.3	13.7		ug/Kg		103	60 - 131
Aldrin	13.3	11.6		ug/Kg		87	53 - 115
alpha-BHC	13.3	11.2		ug/Kg		84	57 - 115
beta-BHC	13.3	12.0		ug/Kg		90	58 - 115
delta-BHC	13.3	11.3		ug/Kg		85	52 - 115
Dieldrin	13.3	12.1		ug/Kg		91	57 - 115
Endosulfan I	13.3	12.3		ug/Kg		92	56 - 115
Endosulfan II	13.3	12.5		ug/Kg		93	60 - 117
Endosulfan sulfate	13.3	12.3		ug/Kg		92	60 - 115
Endrin	13.3	13.4		ug/Kg		101	61 - 120
Endrin aldehyde	13.3	11.4		ug/Kg		85	54 - 115
Endrin ketone	13.3	12.2		ug/Kg		92	54 - 119
gamma-BHC (Lindane)	13.3	10.1		ug/Kg		76	56 - 115
Heptachlor	13.3	12.3		ug/Kg		92	52 - 115
Heptachlor epoxide	13.3	12.0		ug/Kg		90	59 - 115
Methoxychlor	13.3	14.0		ug/Kg		105	60 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	83		28 - 115
DCB Decachlorobiphenyl (Surr)	106		21 - 117

Lab Sample ID: 440-228795-A-41-A MS
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		13.3	10.7		ug/Kg		80	10 - 150
4,4'-DDE	12		13.3	20.1		ug/Kg		64	10 - 150
4,4'-DDT	13		13.3	19.3		ug/Kg		46	13 - 141
Aldrin	ND		13.3	12.1		ug/Kg		91	10 - 150
alpha-BHC	ND		13.3	11.2		ug/Kg		84	12 - 125
beta-BHC	ND		13.3	11.2		ug/Kg		84	10 - 150
delta-BHC	ND		13.3	10.7		ug/Kg		80	12 - 130
Dieldrin	3.9	J	13.3	14.1		ug/Kg		77	10 - 150
Endosulfan I	5.5		13.3	13.5		ug/Kg		60	10 - 150
Endosulfan II	ND		13.3	11.4		ug/Kg		86	10 - 150
Endosulfan sulfate	ND		13.3	10.2		ug/Kg		77	10 - 150
Endrin	ND		13.3	13.2		ug/Kg		99	10 - 150
Endrin aldehyde	ND		13.3	10.9		ug/Kg		82	10 - 131
Endrin ketone	ND		13.3	9.63		ug/Kg		72	10 - 134
gamma-BHC (Lindane)	ND		13.3	10.1		ug/Kg		76	20 - 119
Heptachlor	ND		13.3	13.3		ug/Kg		100	10 - 150
Heptachlor epoxide	7.2		13.3	18.8		ug/Kg		87	10 - 150
Methoxychlor	ND		13.3	12.5		ug/Kg		94	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	84		28 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-228795-A-41-A MS
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519755

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	87		21 - 117

Lab Sample ID: 440-228795-A-41-B MSD
Matrix: Solid
Analysis Batch: 519988

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		13.3	9.72		ug/Kg		73	10 - 150	10	26
4,4'-DDE	12		13.3	19.4		ug/Kg		58	10 - 150	4	40
4,4'-DDT	14		13.3	18.1		ug/Kg		31	13 - 141	9	26
Aldrin	ND		13.3	11.1		ug/Kg		83	10 - 150	9	26
alpha-BHC	ND		13.3	10.5		ug/Kg		79	12 - 125	10	18
beta-BHC	ND		13.3	10.5		ug/Kg		79	10 - 150	7	33
delta-BHC	ND		13.3	9.77	J	ug/Kg		73	12 - 130	9	35
Dieldrin	3.9	J	13.3	13.4		ug/Kg		71	10 - 150	5	28
Endosulfan I	5.5		13.3	12.6		ug/Kg		53	10 - 150	8	32
Endosulfan II	ND		13.3	10.5		ug/Kg		78	10 - 150	10	25
Endosulfan sulfate	ND		13.3	9.26	J	ug/Kg		69	10 - 150	10	35
Endrin	ND		13.3	12.5		ug/Kg		94	10 - 150	6	27
Endrin aldehyde	ND		13.3	9.98		ug/Kg		75	10 - 131	9	33
Endrin ketone	ND		13.3	8.45		ug/Kg		63	10 - 134	13	40
gamma-BHC (Lindane)	ND		13.3	9.49		ug/Kg		71	20 - 119	6	24
Heptachlor	ND		13.3	12.5		ug/Kg		94	10 - 150	7	28
Heptachlor epoxide	7.2		13.3	18.9		ug/Kg		88	10 - 150	1	25
Methoxychlor	ND		13.3	11.1		ug/Kg		83	10 - 150	12	34

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	81		28 - 115
DCB Decachlorobiphenyl (Surr)	78		21 - 117

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

Lab Sample ID: MB 440-519215/1-A
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1221	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1232	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1242	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1248	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1254	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1
Aroclor 1260	ND		50	17	ug/Kg		12/26/18 06:27	12/26/18 16:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		45 - 120	12/26/18 06:27	12/26/18 16:57	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Lab Sample ID: LCS 440-519215/2-A
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Aroclor 1016	267	226		ug/Kg		85	65 - 115	
Aroclor 1260	267	227		ug/Kg		85	65 - 115	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
DCB Decachlorobiphenyl (Surr)	91		45 - 120					

Lab Sample ID: 440-228517-E-1-B MS
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Aroclor 1016	ND		267	223		ug/Kg		84	50 - 120	
Aroclor 1260	ND		267	206		ug/Kg		77	50 - 125	
Surrogate	MS %Recovery	MS Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	74		45 - 120							

Lab Sample ID: 440-228517-E-1-C MSD
Matrix: Solid
Analysis Batch: 519370

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
											RPD	Limit
Aroclor 1016	ND		267	220		ug/Kg		83	50 - 120	1	30	
Aroclor 1260	ND		267	203		ug/Kg		76	50 - 125	1	30	
Surrogate	MSD %Recovery	MSD Qualifier	Limits									
DCB Decachlorobiphenyl (Surr)	74		45 - 120									

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-519585/1-A ^5
Matrix: Solid
Analysis Batch: 519987

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Arsenic	ND		3.0	1.5	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Barium	ND		1.5	0.74	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Beryllium	ND		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Cadmium	ND		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Chromium	ND		0.99	0.50	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Cobalt	ND		0.99	0.50	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Copper	ND		2.0	1.1	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Molybdenum	ND		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Nickel	ND		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Selenium	ND		3.0	1.7	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Silver	ND		1.5	0.88	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Thallium	ND		9.9	5.0	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	
Vanadium	ND		0.99	0.50	mg/Kg		12/27/18 12:12	12/28/18 21:32		5	

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

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

Lab Sample ID: MB 440-519585/1-A ^5
Matrix: Solid
Analysis Batch: 519987

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		5.0	2.5	mg/Kg		12/27/18 12:12	12/28/18 21:32	5
Lead	ND		2.0	0.99	mg/Kg		12/27/18 12:12	12/28/18 21:32	5

Lab Sample ID: LCS 440-519585/2-A ^5
Matrix: Solid
Analysis Batch: 519987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	49.5	50.0		mg/Kg		101	80 - 120
Arsenic	49.5	47.2		mg/Kg		95	80 - 120
Barium	49.5	48.5		mg/Kg		98	80 - 120
Beryllium	49.5	47.6		mg/Kg		96	80 - 120
Cadmium	49.5	47.6		mg/Kg		96	80 - 120
Chromium	49.5	48.9		mg/Kg		99	80 - 120
Cobalt	49.5	49.3		mg/Kg		100	80 - 120
Copper	49.5	50.4		mg/Kg		102	80 - 120
Molybdenum	49.5	48.8		mg/Kg		99	80 - 120
Nickel	49.5	48.3		mg/Kg		98	80 - 120
Selenium	49.5	43.8		mg/Kg		89	80 - 120
Silver	24.8	24.2		mg/Kg		98	80 - 120
Thallium	49.5	48.1		mg/Kg		97	80 - 120
Vanadium	49.5	49.3		mg/Kg		100	80 - 120
Zinc	49.5	47.1		mg/Kg		95	80 - 120
Lead	49.5	48.6		mg/Kg		98	80 - 120

Lab Sample ID: 440-228638-1 MS
Matrix: Solid
Analysis Batch: 519987

Client Sample ID: SB08d0.5
Prep Type: Total/NA
Prep Batch: 519585

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.8	21.8	F1	mg/Kg		44	75 - 125
Arsenic	3.3		49.8	48.6		mg/Kg		91	75 - 125
Barium	120		49.8	166		mg/Kg		84	75 - 125
Beryllium	0.28	J	49.8	47.4		mg/Kg		95	75 - 125
Cadmium	0.41	J	49.8	45.0		mg/Kg		90	75 - 125
Chromium	18		49.8	66.8		mg/Kg		97	75 - 125
Cobalt	9.7		49.8	54.0		mg/Kg		89	75 - 125
Copper	20		49.8	70.4		mg/Kg		102	75 - 125
Molybdenum	1.2	J	49.8	46.8		mg/Kg		92	75 - 125
Nickel	12		49.8	57.2		mg/Kg		90	75 - 125
Selenium	ND		49.8	42.8		mg/Kg		86	75 - 125
Silver	ND		24.9	23.7		mg/Kg		95	75 - 125
Thallium	ND		49.8	44.9		mg/Kg		90	75 - 125
Vanadium	45		49.8	97.5		mg/Kg		106	75 - 125
Zinc	50		49.8	97.0		mg/Kg		94	75 - 125
Lead	4.7		49.8	50.0		mg/Kg		91	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

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

Lab Sample ID: 440-228638-1 MSD

Matrix: Solid
Analysis Batch: 519987

Client Sample ID: SB08d0.5

Prep Type: Total/NA
Prep Batch: 519585

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	%Rec.		
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit
Antimony	ND	F1	49.0	20.5	F1	mg/Kg		42	75 - 125	6	20
Arsenic	3.3		49.0	46.8		mg/Kg		89	75 - 125	4	20
Barium	120		49.0	171		mg/Kg		96	75 - 125	3	20
Beryllium	0.28	J	49.0	45.7		mg/Kg		93	75 - 125	4	20
Cadmium	0.41	J	49.0	44.4		mg/Kg		90	75 - 125	1	20
Chromium	18		49.0	66.9		mg/Kg		99	75 - 125	0	20
Cobalt	9.7		49.0	53.8		mg/Kg		90	75 - 125	0	20
Copper	20		49.0	70.7		mg/Kg		104	75 - 125	0	20
Molybdenum	1.2	J	49.0	46.6		mg/Kg		93	75 - 125	1	20
Nickel	12		49.0	56.8		mg/Kg		91	75 - 125	1	20
Selenium	ND		49.0	42.5		mg/Kg		87	75 - 125	1	20
Silver	ND		24.5	23.5		mg/Kg		96	75 - 125	1	20
Thallium	ND		49.0	43.5		mg/Kg		89	75 - 125	3	20
Vanadium	45		49.0	99.1		mg/Kg		111	75 - 125	2	20
Zinc	50		49.0	97.8		mg/Kg		97	75 - 125	1	20
Lead	4.7		49.0	49.3		mg/Kg		91	75 - 125	1	20

Lab Sample ID: MB 440-520580/1-A ^5

Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 520580

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		2.0	0.99	mg/Kg		01/03/19 12:36	01/06/19 14:41	5

Lab Sample ID: LCS 440-520580/2-A ^5

Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA
Prep Batch: 520580

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Lead	50.0	50.8		mg/Kg		102	80 - 120	

Lab Sample ID: 440-228879-A-1-B MS ^5

Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Matrix Spike

Prep Type: Total/NA
Prep Batch: 520580

Analyte	Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Lead	18		49.5	64.0		mg/Kg		94	75 - 125	

Lab Sample ID: 440-228879-A-1-C MSD ^5

Matrix: Solid
Analysis Batch: 520904

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA
Prep Batch: 520580

Analyte	Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec.		
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit
Lead	18		49.3	61.8		mg/Kg		90	75 - 125	3	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

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

Lab Sample ID: MB 440-519540/1-A
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/27/18 10:47	12/28/18 11:55	1

Lab Sample ID: LCS 440-519540/2-A
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: 440-228532-N-1-B MS
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1.00	0.997		mg/L		100	75 - 125

Lab Sample ID: 440-228532-N-1-C MSD
Matrix: Water
Analysis Batch: 519867

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 519540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1.00	0.994		mg/L		99	75 - 125	0	20

Lab Sample ID: MB 440-520839/1-A ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/07/19 10:48	20

Lab Sample ID: LCS 440-520839/2-A ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	21.4		mg/L		107	80 - 120

Lab Sample ID: 440-228924-A-4-A MS ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.48		20.0	21.6		mg/L		106	75 - 125

Lab Sample ID: 440-228924-A-4-A MSD ^20
Matrix: Solid
Analysis Batch: 520992

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.48		20.0	21.6		mg/L		106	75 - 125	0	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Lab Sample ID: MB 440-521274/1-A ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/10/19 17:16	20

Lab Sample ID: LCS 440-521274/2-A ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	21.1		mg/L		106	80 - 120

Lab Sample ID: 440-228400-A-36-B MS ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	22		20.0	41.8		mg/L		98	75 - 125

Lab Sample ID: 440-228400-A-36-B MSD ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	22		20.0	42.3		mg/L		101	75 - 125	1	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-519585/1-A ^20
Matrix: Solid
Analysis Batch: 519933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/Kg		12/27/18 12:12	12/28/18 17:10	20

Lab Sample ID: LCS 440-519585/2-A ^20
Matrix: Solid
Analysis Batch: 519933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	49.5	45.3		mg/Kg		92	80 - 120

Lab Sample ID: 440-228638-1 MS
Matrix: Solid
Analysis Batch: 519933

Client Sample ID: SB08d0.5
Prep Type: Total/NA
Prep Batch: 519585

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.6		49.8	48.3		mg/Kg		92	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 440-228638-1 MSD
Matrix: Solid
Analysis Batch: 519933

Client Sample ID: SB08d0.5
Prep Type: Total/NA
Prep Batch: 519585

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	2.6		49.0	47.1		mg/Kg		91	80 - 120	3	20

Lab Sample ID: MB 440-519544/1-A
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		12/27/18 10:56	12/27/18 21:45	1

Lab Sample ID: LCS 440-519544/2-A
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	80.0	76.6		ug/L		96	80 - 120

Lab Sample ID: 440-228255-D-1-C MS ^20
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	68		80.0	142		ug/L		93	75 - 125

Lab Sample ID: 440-228255-D-1-D MSD ^20
Matrix: Water
Analysis Batch: 519731

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 519544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	68		80.0	148		ug/L		100	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-519419/1-A
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		12/26/18 17:58	12/27/18 04:45	1

Lab Sample ID: LCS 440-519419/2-A
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.800	0.828		mg/Kg		104	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
 Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-228139-A-2-E MS
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519419

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	ND	F1	0.784	0.545	F1	mg/Kg		69	75 - 125

Lab Sample ID: 440-228139-A-2-F MSD
Matrix: Solid
Analysis Batch: 519650

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519419

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	ND	F1	0.784	0.562	F1	mg/Kg		72	75 - 125	3	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

GC/MS Semi VOA

Prep Batch: 519234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-7	SB06d0.5	Total/NA	Solid	3546	
440-228638-17	SB19d0.5	Total/NA	Solid	3546	
440-228638-34	SB29d0.5	Total/NA	Solid	3546	
MB 440-519234/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519234/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228515-D-1-B MS	Matrix Spike	Total/NA	Solid	3546	
440-228515-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-7	SB06d0.5	Total/NA	Solid	8270C SIM	519234
440-228638-17	SB19d0.5	Total/NA	Solid	8270C SIM	519234
440-228638-34	SB29d0.5	Total/NA	Solid	8270C SIM	519234

Analysis Batch: 520063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-519234/1-A	Method Blank	Total/NA	Solid	8270C SIM	519234
LCS 440-519234/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	519234
440-228515-D-1-B MS	Matrix Spike	Total/NA	Solid	8270C SIM	519234
440-228515-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C SIM	519234

GC Semi VOA

Prep Batch: 519215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-2	SB07d0.5	Total/NA	Solid	3546	
440-228638-11	SB17d0.5	Total/NA	Solid	3546	
440-228638-26	SB27Bd0.5	Total/NA	Solid	3546	
MB 440-519215/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519215/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228517-E-1-B MS	Matrix Spike	Total/NA	Solid	3546	
440-228517-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-2	SB07d0.5	Total/NA	Solid	8082	519215
440-228638-11	SB17d0.5	Total/NA	Solid	8082	519215
440-228638-26	SB27Bd0.5	Total/NA	Solid	8082	519215
MB 440-519215/1-A	Method Blank	Total/NA	Solid	8082	519215
LCS 440-519215/2-A	Lab Control Sample	Total/NA	Solid	8082	519215
440-228517-E-1-B MS	Matrix Spike	Total/NA	Solid	8082	519215
440-228517-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	519215

Prep Batch: 519755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-42	SB05,SB06,SB07 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228638-43	SB25.26,27A,27B 0 to 0.5 Composite	Total/NA	Solid	3546	
440-228638-44	SB28,29,30 0 to 0.5 Composite	Total/NA	Solid	3546	
MB 440-519755/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519755/2-A	Lab Control Sample	Total/NA	Solid	3546	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

GC Semi VOA (Continued)

Prep Batch: 519755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228795-A-41-A MS	Matrix Spike	Total/NA	Solid	3546	
440-228795-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-42	SB05,SB06,SB07 0 to 0.5 Composite	Total/NA	Solid	8081A	519755
440-228638-43	SB25.26,27A,27B 0 to 0.5 Composite	Total/NA	Solid	8081A	519755
440-228638-44	SB28,29,30 0 to 0.5 Composite	Total/NA	Solid	8081A	519755
MB 440-519755/1-A	Method Blank	Total/NA	Solid	8081A	519755
LCS 440-519755/2-A	Lab Control Sample	Total/NA	Solid	8081A	519755
440-228795-A-41-A MS	Matrix Spike	Total/NA	Solid	8081A	519755
440-228795-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	519755

Metals

Prep Batch: 519419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-10	SB05d0.5	Total/NA	Solid	7471A	
440-228638-24	SB26d0.5	Total/NA	Solid	7471A	
MB 440-519419/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-519419/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-228139-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	
440-228139-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Prep Batch: 519540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-41	Eq Blank	Total Recoverable	Water	3005A	
MB 440-519540/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-519540/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228532-N-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-228532-N-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 519544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-41	Eq Blank	Total Recoverable	Water	3005A	
MB 440-519544/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-519544/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228255-D-1-C MS ^20	Matrix Spike	Total Recoverable	Water	3005A	
440-228255-D-1-D MSD ^20	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 519585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-1	SB08d0.5	Total/NA	Solid	3050B	
440-228638-2	SB07d0.5	Total/NA	Solid	3050B	
440-228638-7	SB06d0.5	Total/NA	Solid	3050B	
440-228638-10	SB05d0.5	Total/NA	Solid	3050B	
440-228638-11	SB17d0.5	Total/NA	Solid	3050B	
440-228638-16	SB18d0.5	Total/NA	Solid	3050B	
440-228638-17	SB19d0.5	Total/NA	Solid	3050B	
440-228638-22	SB25d0.5	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Metals (Continued)

Prep Batch: 519585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-24	SB26d0.5	Total/NA	Solid	3050B	
440-228638-26	SB27Bd0.5	Total/NA	Solid	3050B	
440-228638-27	SB27Ad0.5	Total/NA	Solid	3050B	
440-228638-29	SB28d0.5	Total/NA	Solid	3050B	
440-228638-33	SB30d0.5	Total/NA	Solid	3050B	
440-228638-34	SB29d0.5	Total/NA	Solid	3050B	
440-228638-39	Duplicate 1	Total/NA	Solid	3050B	
440-228638-40	Duplicate 2	Total/NA	Solid	3050B	
MB 440-519585/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-519585/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-519585/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-519585/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228638-1 MS	SB08d0.5	Total/NA	Solid	3050B	
440-228638-1 MSD	SB08d0.5	Total/NA	Solid	3050B	

Analysis Batch: 519650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-10	SB05d0.5	Total/NA	Solid	7471A	519419
440-228638-24	SB26d0.5	Total/NA	Solid	7471A	519419
MB 440-519419/1-A	Method Blank	Total/NA	Solid	7471A	519419
LCS 440-519419/2-A	Lab Control Sample	Total/NA	Solid	7471A	519419
440-228139-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	519419
440-228139-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	519419

Analysis Batch: 519731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-41	Eq Blank	Total Recoverable	Water	6020	519544
MB 440-519544/1-A	Method Blank	Total Recoverable	Water	6020	519544
LCS 440-519544/2-A	Lab Control Sample	Total Recoverable	Water	6020	519544
440-228255-D-1-C MS ^20	Matrix Spike	Total Recoverable	Water	6020	519544
440-228255-D-1-D MSD ^20	Matrix Spike Duplicate	Total Recoverable	Water	6020	519544

Analysis Batch: 519867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-41	Eq Blank	Total Recoverable	Water	6010B	519540
MB 440-519540/1-A	Method Blank	Total Recoverable	Water	6010B	519540
LCS 440-519540/2-A	Lab Control Sample	Total Recoverable	Water	6010B	519540
440-228532-N-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	519540
440-228532-N-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	519540

Analysis Batch: 519933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-1	SB08d0.5	Total/NA	Solid	6020	519585
440-228638-2	SB07d0.5	Total/NA	Solid	6020	519585
440-228638-7	SB06d0.5	Total/NA	Solid	6020	519585
440-228638-10	SB05d0.5	Total/NA	Solid	6020	519585
440-228638-11	SB17d0.5	Total/NA	Solid	6020	519585
440-228638-16	SB18d0.5	Total/NA	Solid	6020	519585
440-228638-17	SB19d0.5	Total/NA	Solid	6020	519585
440-228638-22	SB25d0.5	Total/NA	Solid	6020	519585
440-228638-24	SB26d0.5	Total/NA	Solid	6020	519585

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Metals (Continued)

Analysis Batch: 519933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-26	SB27Bd0.5	Total/NA	Solid	6020	519585
440-228638-27	SB27Ad0.5	Total/NA	Solid	6020	519585
440-228638-29	SB28d0.5	Total/NA	Solid	6020	519585
440-228638-33	SB30d0.5	Total/NA	Solid	6020	519585
440-228638-34	SB29d0.5	Total/NA	Solid	6020	519585
440-228638-39	Duplicate 1	Total/NA	Solid	6020	519585
440-228638-40	Duplicate 2	Total/NA	Solid	6020	519585
MB 440-519585/1-A ^20	Method Blank	Total/NA	Solid	6020	519585
LCS 440-519585/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	519585
440-228638-1 MS	SB08d0.5	Total/NA	Solid	6020	519585
440-228638-1 MSD	SB08d0.5	Total/NA	Solid	6020	519585

Analysis Batch: 519987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-1	SB08d0.5	Total/NA	Solid	6010B	519585
440-228638-2	SB07d0.5	Total/NA	Solid	6010B	519585
440-228638-7	SB06d0.5	Total/NA	Solid	6010B	519585
440-228638-11	SB17d0.5	Total/NA	Solid	6010B	519585
440-228638-16	SB18d0.5	Total/NA	Solid	6010B	519585
440-228638-17	SB19d0.5	Total/NA	Solid	6010B	519585
440-228638-22	SB25d0.5	Total/NA	Solid	6010B	519585
440-228638-24	SB26d0.5	Total/NA	Solid	6010B	519585
440-228638-26	SB27Bd0.5	Total/NA	Solid	6010B	519585
440-228638-27	SB27Ad0.5	Total/NA	Solid	6010B	519585
440-228638-29	SB28d0.5	Total/NA	Solid	6010B	519585
440-228638-33	SB30d0.5	Total/NA	Solid	6010B	519585
440-228638-34	SB29d0.5	Total/NA	Solid	6010B	519585
440-228638-39	Duplicate 1	Total/NA	Solid	6010B	519585
440-228638-40	Duplicate 2	Total/NA	Solid	6010B	519585
MB 440-519585/1-A ^5	Method Blank	Total/NA	Solid	6010B	519585
LCS 440-519585/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	519585
440-228638-1 MS	SB08d0.5	Total/NA	Solid	6010B	519585
440-228638-1 MSD	SB08d0.5	Total/NA	Solid	6010B	519585

Prep Batch: 520580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-13	SB17d1.5	Total/NA	Solid	3050B	
440-228638-35	SB30d1.5	Total/NA	Solid	3050B	
440-228638-36	SB29d1.5	Total/NA	Solid	3050B	
MB 440-520580/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520580/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228879-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228879-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 520801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-10	SB05d0.5	Total/NA	Solid	6010B	519585

Leach Batch: 520839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-34	SB29d0.5	STLC Citrate	Solid	CA WET Citrate	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Metals (Continued)

Leach Batch: 520839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-520839/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-520839/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228924-A-4-A MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-228924-A-4-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 520904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-13	SB17d1.5	Total/NA	Solid	6010B	520580
440-228638-35	SB30d1.5	Total/NA	Solid	6010B	520580
440-228638-36	SB29d1.5	Total/NA	Solid	6010B	520580
MB 440-520580/1-A ^5	Method Blank	Total/NA	Solid	6010B	520580
LCS 440-520580/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520580
440-228879-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	520580
440-228879-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	520580

Analysis Batch: 520992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-34	SB29d0.5	STLC Citrate	Solid	6010B	520839
MB 440-520839/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	520839
LCS 440-520839/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	520839
440-228924-A-4-A MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	520839
440-228924-A-4-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	520839

Leach Batch: 521274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-11	SB17d0.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-521274/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-521274/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228400-A-36-B MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-228400-A-36-B MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 521806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228638-11	SB17d0.5	STLC Citrate	Solid	6010B	521274
MB 440-521274/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	521274
LCS 440-521274/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	521274
440-228400-A-36-B MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	521274
440-228400-A-36-B MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	521274

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228638-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8270C SIM	3546	Solid	Acenaphthene
8270C SIM	3546	Solid	Acenaphthylene
8270C SIM	3546	Solid	Anthracene
8270C SIM	3546	Solid	Benzo[a]anthracene
8270C SIM	3546	Solid	Benzo[a]pyrene
8270C SIM	3546	Solid	Benzo[b]fluoranthene
8270C SIM	3546	Solid	Benzo[g,h,i]perylene
8270C SIM	3546	Solid	Benzo[k]fluoranthene
8270C SIM	3546	Solid	Chrysene
8270C SIM	3546	Solid	Dibenz(a,h)anthracene
8270C SIM	3546	Solid	Fluoranthene
8270C SIM	3546	Solid	Fluorene
8270C SIM	3546	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3546	Solid	Naphthalene
8270C SIM	3546	Solid	Phenanthrene
8270C SIM	3546	Solid	Pyrene



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- 14

Report for:

Ms. Urvashi Patel
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-228638-1
 EML ID: 2066367

Approved by:

Approved Signatory
 Danny Li

REVISED REPORT

Dates of Analysis:
 Asbestos PLM: 03-28-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: TestAmerica-Irvine
 C/O: Ms. Urvashi Patel
 Re: 440-228638-1

Date of Sampling: 12-21-2018
 Date of Receipt: 12-24-2018
 Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Total Samples Submitted: 5
Total Samples Analyzed: 5
Total Samples with Layer Asbestos Content > 1%: 0

Location: SB08D0.5 (440-228638-1)

Lab ID-Version‡: 9763959-2

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB18D0.5 (440-228638-16)

Lab ID-Version‡: 9763978-2

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB25D0.5 (44-228638-22)

Lab ID-Version‡: 9763979-2

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: TestAmerica-Irvine
 C/O: Ms. Urvashi Patel
 Re: 440-228638-1

Date of Sampling: 12-21-2018
 Date of Receipt: 12-24-2018
 Date of Report: 12-31-2018

ASBESTOS PLM REPORT

Location: SB28D0.5 (440-228638-29)

Lab ID-Version‡: 9763980-2

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

Location: SB30D2.5 (440-228638-33)

Lab ID-Version‡: 9763981-2

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

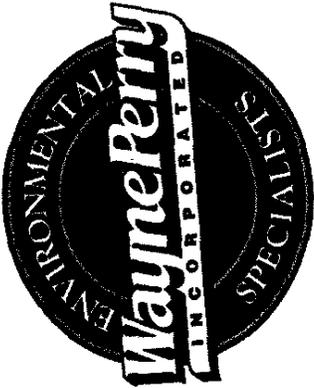
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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

1/5

12/21/18



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax



440-228638 Chain of Custody

CHAIN OF CUSTODY RECORD

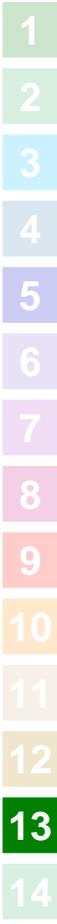
Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
Result Turnaround: 3-Day

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFalady@wpinc.com
Additional Instructions: composite per attached table
Quote No. 44021693
EDD Required
Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Method										Comments		
					Asbestos by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos PLM						
1 SB08A0.5	12/21/18	0725	SOI	2	X	X											
2 SB07D0.5		0730		1	X	X		X									archive
3 SB08A1.5		0740		1	X	X											archive
4 SB07A1.5		0745		1	X	X											archive
5 SB06A2.5		0750		1	X	X											archive
6 SB07A2.5		0755		1	X	X											archive
7 SB06A0.5		0805		1	X	X											archive
8 SB06A1.5		0815		1	X	X											archive
9 SB06A2.5		0820		1	X	X											archive
10 SB05A0.5		0825		1	X	X											archive

Relinquished By: [Signature]
Relinquished By: Will. Rivera
Received By: Will. Rivera
Received By: [Signature]
Date: 12/21/18
Date: 12/21/18
Time: 1535
Time: 1850

2.8/3.0 #94



2/5



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer
Result Turnaround: 3-Day

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com,
JTFaludy@wpinc.com

all else standard
OCPs analysis
Composite 3 day

Additional Instructions: composite per attached table
Quote No. 44021693
C-EDD Required
Follow DTSC composite sampling protocol wherever composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Method							Comments	
					Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/741A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos PLM		
1 SB17d0.5	12/21/18	0830	soil	1	X	X		X					
2 SB05d1.5		0835											archive
3 SB17d1.5		0840											archive
4 SB05d2.5		0845											archive
5 SB17d2.5		0850		2	X	X					X		archive
6 SB18d0.5		0855	erz		X	X							archive
7 SB19d0.5		0900		1	X	X			X				archive
8 SB18d1.5		0905	erz	2	X	X							archive
9 SB19d2.5		0910		2	X	X							archive
10 SB18d2.5		0915	erz	2	X	X							archive

Relinquished By: *[Signature]* Received By: *Will Rivera* Date: 12/21/18 Time: 1535
Relinquished By: *Will Rivera* Received By: *[Signature]* Date: 12/21/18 Time: 1650

3/5



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day
 WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, JTFaludy@wpinc.com

all else standard
 OCPs analysis composite 3day

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Analysis Methods										Comments	
					Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos PM					
SB19A2.5	12/21/18	0920	Soil	1	X	X										archive
SB25A0.5		0925		2	X	X										archive
SB25A1.5		0940		2	X	X										archive
SB26A0.5		0950		1	X	X										archive
SB25A2.5		0955		2	X	X										archive
SB27B0.5		1030		1	X	X										archive
SB21A0.5		1035		1	X	X										archive
SB27A1.5		1045		1	X	X										archive
SB28A0.5		1100		2	X	X										archive
SB27A2.5		1105		1	X	X										archive

Reinquired By: *[Signature]*
 Received By: *Will Rivera*
 Date: 12/21/18
 Time: 1535
 Reinquired By: *Will Rivera*
 Received By: *[Signature]*
 Date: 12/21/18
 Time: 1650

4/5



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

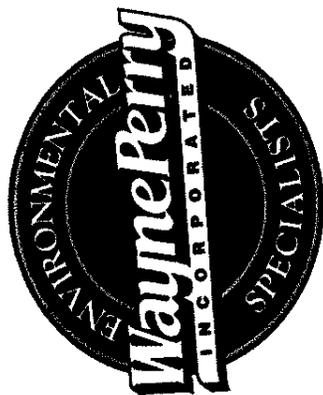
Client: Ascot Avenue Elementary School
Site Address: 1447 East 45th Street, Los Angeles, CA
WPI Job Number: 180618
Laboratory: TestAmerica
Sampled By: Robert Deamer

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com
RTFaludy@wpinc.com
Result Turnaround: 3 Day - *OCPS analysis all else standard composite 3 day*

Sample Name	EP	Sampling Date	Sampling Time	Matrix	No. of Cont.	Analytes										Comments									
						Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPS by EPA Method 8081	Asbestos	PLM	OCPS by EPA Method 8081	Asbestos										
1	SB28 d 2.5	12/21/18	1150	SO11	2																				
2	SB28 d 2.5	12/21/18	1150		2																				
3	SB30 d 0.5		1240		2	X	X																		
4	SB29 d 0.5		1245		1	X	X																		
5	SB30 d 1.5		1250		2	X	X																		
6	SB29 d 1.5		1255		1																				
7	SB30 d 2.5		1315		2																				
8	SB29 d 2.5		1320		1																				
9																									
10																									

Relinquished By: *[Signature]* Received By: *Will Rivera* Date: 12/21/18 Time: 1535
Relinquished By: *Will Rivera* Received By: *[Signature]* Date: 12/21/18 Time: 1650

5/5



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day

WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com,
 TFaludy@wpinc.com

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA	Lead by EPA	CAM 17 Metals	PCBs by EPA	PAHs by EPA	OCFs by EPA	Comments
					Method 6020	Method 6010B	by EPA 6010B/7471A	Method 8082	Method 8270 SIM	Method 8081	
1 Duplicate 1	12/21	1500	soil	1	X	X					
2 Duplicate 2	1530	1530	soil	1	✓	✓					
3 Eq Blank	1535	1535	water	1	✓	✓					
4											
5											
6											
7											
8											
9											
10											

Relinquished By: *[Signature]* Received By: *Will Riva* Date: 12/21/18 Time: 1535
 Relinquished By: *Will Riva* Received By: *[Signature]* Date: 12/21/18 Time: 1650

Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-228638-2

Login Number: 228638

List Source: TestAmerica Irvine

List Number: 1

Creator: Avila, Stephanie 1

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-231237-1

Client Project/Site: LAUSD Soil - Task 3

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 5:14:10 PM

Urvashi Patel, Manager of Project Management

urvashi.patel@testamericainc.com

Designee for

Dennis Tran, Project Manager I

(949)261-1022

dennis.tran@testamericainc.com

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

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

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

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results through

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Have a Question?



Visit us at:

www.testamericainc.com



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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-231237-1	SB93d2.5	Solid	12/21/18 13:40	01/22/19 18:30
440-231237-2	SB94d2.5	Solid	12/21/18 13:45	01/22/19 18:30
440-231237-3	Equipment Blank	Water	12/21/18 14:00	01/22/19 18:30
440-231237-4	Duplicate 1	Solid	12/21/18 14:05	01/22/19 18:30
440-231237-5	Duplicate 2	Solid	12/21/18 14:10	01/22/19 18:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Job ID: 440-231237-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-231237-1

Comments

Revision created to create one final report per client request.

Receipt

The samples were received on 1/22/2019 6:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

Metals

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

Narrative

Job Narrative
440-231237-2

Comments

No additional comments.

Receipt

The samples were received on 1/22/2019 6:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

Metals

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



Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Client Sample ID: SB93d2.5

Date Collected: 12/21/18 13:40

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-1

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	90		2.0	1.0	mg/Kg		02/06/19 11:24	02/07/19 19:35	5

Client Sample ID: SB94d2.5

Date Collected: 12/21/18 13:45

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-2

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		2.0	0.99	mg/Kg		02/06/19 11:24	02/07/19 19:37	5

Client Sample ID: Equipment Blank

Date Collected: 12/21/18 14:00

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-3

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		01/25/19 13:37	01/29/19 18:30	1

Client Sample ID: Duplicate 1

Date Collected: 12/21/18 14:05

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-4

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73		2.0	0.99	mg/Kg		01/25/19 10:03	01/28/19 16:25	5

Client Sample ID: Duplicate 2

Date Collected: 12/21/18 14:10

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-5

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	77		2.0	0.99	mg/Kg		01/25/19 10:07	01/28/19 18:49	5

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV

Protocol References:

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Client Sample ID: SB93d2.5

Date Collected: 12/21/18 13:40

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	527070	02/06/19 11:24	ST	TAL IRV
Total/NA	Analysis	6010B		5			527540	02/07/19 19:35	JSJ	TAL IRV

Client Sample ID: SB94d2.5

Date Collected: 12/21/18 13:45

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	527070	02/06/19 11:24	ST	TAL IRV
Total/NA	Analysis	6010B		5			527540	02/07/19 19:37	JSJ	TAL IRV

Client Sample ID: Equipment Blank

Date Collected: 12/21/18 14:00

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	524983	01/25/19 13:37	EMS	TAL IRV
Total Recoverable	Analysis	6010B		1			525685	01/29/19 18:30	P1R	TAL IRV

Client Sample ID: Duplicate 1

Date Collected: 12/21/18 14:05

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	524928	01/25/19 10:03	DT	TAL IRV
Total/NA	Analysis	6010B		5			525418	01/28/19 16:25	P1R	TAL IRV

Client Sample ID: Duplicate 2

Date Collected: 12/21/18 14:10

Date Received: 01/22/19 18:30

Lab Sample ID: 440-231237-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	524929	01/25/19 10:07	DT	TAL IRV
Total/NA	Analysis	6010B		5			525450	01/28/19 18:49	P1R	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-524928/1-A ^5
Matrix: Solid
Analysis Batch: 525418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		01/25/19 10:03	01/28/19 15:23	5

Lab Sample ID: LCS 440-524928/2-A ^5
Matrix: Solid
Analysis Batch: 525418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	45.3		mg/Kg		91	80 - 120

Lab Sample ID: 440-231218-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 525418

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 524928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	7.0		49.5	49.4		mg/Kg		86	75 - 125

Lab Sample ID: 440-231218-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 525418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 524928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	7.0		49.8	50.7		mg/Kg		88	75 - 125	3	20

Lab Sample ID: MB 440-524929/1-A ^5
Matrix: Solid
Analysis Batch: 525450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		01/25/19 10:07	01/28/19 17:47	5

Lab Sample ID: LCS 440-524929/2-A ^5
Matrix: Solid
Analysis Batch: 525450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	47.0		mg/Kg		94	80 - 120

Lab Sample ID: 440-231219-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 525450

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 524929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	12		49.8	58.7		mg/Kg		93	75 - 125

Lab Sample ID: 440-231219-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 525450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 524929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	12		50.0	63.4		mg/Kg		102	75 - 125	8	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Lab Sample ID: MB 440-527070/1-A ^5
Matrix: Solid
Analysis Batch: 527540

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		02/06/19 11:24	02/07/19 18:34	5

Lab Sample ID: LCS 440-527070/2-A ^5
Matrix: Solid
Analysis Batch: 527540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.0	48.9		mg/Kg		100	80 - 120

Lab Sample ID: 440-232136-A-4-B MS ^5
Matrix: Solid
Analysis Batch: 527540

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 527070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	3.6		50.5	47.8		mg/Kg		87	75 - 125

Lab Sample ID: 440-232136-A-4-C MSD ^5
Matrix: Solid
Analysis Batch: 527540

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 527070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	3.6		49.3	48.6		mg/Kg		91	75 - 125	2	20

Lab Sample ID: MB 440-524983/1-A
Matrix: Water
Analysis Batch: 525685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 524983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		01/25/19 13:37	01/29/19 18:02	1

Lab Sample ID: LCS 440-524983/2-A
Matrix: Water
Analysis Batch: 525685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 524983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.960		mg/L		96	80 - 120

Lab Sample ID: 440-231170-G-1-B MS
Matrix: Water
Analysis Batch: 525685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 524983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		1.00	0.963		mg/L		96	75 - 125

Lab Sample ID: 440-231170-G-1-C MSD
Matrix: Water
Analysis Batch: 525685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 524983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		1.00	0.956		mg/L		96	75 - 125	1	20

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Metals

Prep Batch: 524928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-4	Duplicate 1	Total/NA	Solid	3050B	
MB 440-524928/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-524928/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-231218-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-231218-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 524929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-5	Duplicate 2	Total/NA	Solid	3050B	
MB 440-524929/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-524929/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-231219-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-231219-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 524983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-3	Equipment Blank	Total Recoverable	Water	3005A	
MB 440-524983/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-524983/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-231170-G-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-231170-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 525418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-4	Duplicate 1	Total/NA	Solid	6010B	524928
MB 440-524928/1-A ^5	Method Blank	Total/NA	Solid	6010B	524928
LCS 440-524928/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	524928
440-231218-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	524928
440-231218-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	524928

Analysis Batch: 525450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-5	Duplicate 2	Total/NA	Solid	6010B	524929
MB 440-524929/1-A ^5	Method Blank	Total/NA	Solid	6010B	524929
LCS 440-524929/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	524929
440-231219-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	524929
440-231219-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	524929

Analysis Batch: 525685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-3	Equipment Blank	Total Recoverable	Water	6010B	524983
MB 440-524983/1-A	Method Blank	Total Recoverable	Water	6010B	524983
LCS 440-524983/2-A	Lab Control Sample	Total Recoverable	Water	6010B	524983
440-231170-G-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	524983
440-231170-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	524983

Prep Batch: 527070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-1	SB93d2.5	Total/NA	Solid	3050B	
440-231237-2	SB94d2.5	Total/NA	Solid	3050B	
MB 440-527070/1-A ^5	Method Blank	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Metals (Continued)

Prep Batch: 527070 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-527070/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-232136-A-4-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-232136-A-4-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 527540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231237-1	SB93d2.5	Total/NA	Solid	6010B	527070
440-231237-2	SB94d2.5	Total/NA	Solid	6010B	527070
MB 440-527070/1-A ^5	Method Blank	Total/NA	Solid	6010B	527070
LCS 440-527070/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	527070
440-232136-A-4-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	527070
440-232136-A-4-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	527070

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231237-1

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer	
Additional Instructions: Quote No. 44021693 EDD Required Follow DTSC composite sampling protocol wherever composites are requested.		Result Turnaround: 3-5 days & Standard TAT	

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Asbestos by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
2	SB94d2.5	1400/1315										Archive
3	Equip. Blank	1400			X							Archive
4	Duplicate 1	1405			X							
5	Duplicate 2	1410			X							
6												
7												
8												
9												
10												

01/22/19



Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 1/21/19	Time: 0845
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 1/22/19	Time: 1707

Will. Review
 O.S. 10.9 #93
 TAU
 1/22/19 1830

- 1
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- 11
- 12
- 13

Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-231237-1

Login Number: 231237

List Number: 1

Creator: Soderblom, Tim

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-228716-3

Client Project/Site: LAUSD Soil - Task 3

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 4:49:39 PM

Urvashi Patel, Manager of Project Management

urvashi.patel@testamericainc.com

Designee for

Heather Clark, Project Manager I

(949)261-1022

heather.clark@testamericainc.com

LINKS

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results through

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www.testamericainc.com

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

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

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



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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-228716-1	SB70d0.5	Solid	12/26/18 08:40	12/27/18 09:15
440-228716-2	SB71d0.5	Solid	12/26/18 08:45	12/27/18 09:15
440-228716-7	SB72d0.5	Solid	12/26/18 09:10	12/27/18 09:15
440-228716-8	SB09d0.5	Solid	12/26/18 09:12	12/27/18 09:15
440-228716-13	SB10d0.5	Solid	12/26/18 09:30	12/27/18 09:15
440-228716-14	SB11d0.5	Solid	12/26/18 09:35	12/27/18 09:15
440-228716-19	SB13d0.5	Solid	12/26/18 10:15	12/27/18 09:15
440-228716-20	SB12d0.5	Solid	12/26/18 10:20	12/27/18 09:15
440-228716-22	SB12d1.5	Solid	12/26/18 10:27	12/27/18 09:15
440-228716-25	SB14d0.5	Solid	12/26/18 10:40	12/27/18 09:15
440-228716-26	SB15d0.5	Solid	12/26/18 10:42	12/27/18 09:15
440-228716-27	SB14d1.5	Solid	12/26/18 10:45	12/27/18 09:15
440-228716-31	Duplicate 1	Solid	12/26/18 16:00	12/27/18 09:15
440-228716-32	Duplicate 2	Solid	12/26/18 16:05	12/27/18 09:15
440-228716-33	Eq Blank	Water	12/26/18 16:10	12/27/18 09:15
440-228716-34	SB09,10,11,12d0.5 (Composite)	Solid	12/26/18 09:12	12/27/18 09:15
440-228716-37	SB13,14,15d0.5 (Composite)	Solid	12/26/18 10:15	12/27/18 09:15
440-228716-38	SB68,69,70,71d0.5 (Composite)	Solid	12/18/18 12:30	12/27/18 09:15

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Job ID: 440-228716-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-228716-1

Comments

No additional comments.

Receipt

The samples were received on 12/27/2018 9:49 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-519893 and analytical batch 440-519989 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 440-519893 and analytical batch 440-519989 was outside control limits and not calculated for some analytes due to low recoveries. Sample matrix interference and non-homogeneity are suspected.

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

Organic Prep

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

Job ID: 440-228716-2

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-228716-2

Comments

Revision created to correct case narrative for Emlab P&K

Receipt

The samples were received on 12/27/2018 9:49 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC/MS Semi VOA

Method(s) 8270C SIM: The following sample was diluted due to abundance of non-target analytes: (LCS 440-520197/2-A). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information. Because of the dilution to the parent sample the MS/MSD was not analyzed.

Method(s) 8270C SIM: Internal standard Acenaphthene-d10 and Perylene-d12 responses were outside of acceptance limits for the following sample: SB14d0.5 (440-228716-25). The sample(s) shows evidence of matrix interference. The affected compounds are marked with an asterisk (*). If the matrix effect is isolated to Acenaphthene-d10 and Perylene-d12, then the results for the affected compounds are biased high.

Method(s) 8270C SIM: The following sample required a dilution due to the nature of the sample matrix: SB14d0.5 (440-228716-25). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Job ID: 440-228716-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

GC Semi VOA

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

Metals

Method(s) 3005A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-520307. The laboratory control sample (LCS) was performed in duplicate to provide precision data for the batch.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 440-520164 and analytical batch 440-520494 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 440-520316 and analytical batch 440-520598 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Subcontract non-Sister

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

Organic Prep

Method(s) 3546: Due to the matrix, the following samples could not be concentrated to the final method required volume: SB14d0.5 (440-228716-25), (440-228716-A-25 MS) and (440-228716-A-25 MSD). The reporting limits (RLs) are elevated proportionately. 3546 8270C SIM PAH

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

Job ID: 440-228716-3

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-228716-3

Comments

No additional comments.

Receipt

The samples were received on 12/27/2018 9:49 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

Metals

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

Organic Prep

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

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB70d0.5

Lab Sample ID: 440-228716-1

Date Collected: 12/26/18 08:40

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Arsenic	ND		3.0	1.5	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Barium	81		1.5	0.75	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Beryllium	ND		0.50	0.25	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Cadmium	ND		0.50	0.25	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Chromium	14		1.0	0.50	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Cobalt	6.4		1.0	0.50	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Copper	17		2.0	1.1	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Lead	34		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Nickel	7.9		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Selenium	ND		3.0	1.7	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Silver	ND		1.5	0.89	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Thallium	ND		10	5.0	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Vanadium	37		1.0	0.50	mg/Kg		12/31/18 11:29	01/02/19 19:53	5
Zinc	47		5.0	2.5	mg/Kg		12/31/18 11:29	01/02/19 19:53	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:31	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.020	0.012	mg/Kg		12/27/18 21:07	12/28/18 20:23	1

Client Sample ID: SB71d0.5

Lab Sample ID: 440-228716-2

Date Collected: 12/26/18 08:45

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 19:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:43	20

Client Sample ID: SB72d0.5

Lab Sample ID: 440-228716-7

Date Collected: 12/26/18 09:10

Matrix: Solid

Date Received: 12/27/18 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1
Aroclor 1221	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1
Aroclor 1232	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1
Aroclor 1242	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1
Aroclor 1248	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1
Aroclor 1254	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1
Aroclor 1260	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 13:25	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB72d0.5

Date Collected: 12/26/18 09:10

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-7

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	58		45 - 120	12/28/18 15:19	12/31/18 13:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40		2.0	1.0	mg/Kg		12/31/18 11:36	01/02/19 19:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.49	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:45	20

Client Sample ID: SB09d0.5

Date Collected: 12/26/18 09:12

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-8

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6		2.0	0.98	mg/Kg		12/31/18 11:36	01/02/19 19:25	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		0.49	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:53	20

Client Sample ID: SB10d0.5

Date Collected: 12/26/18 09:30

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Acenaphthylene	ND		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Anthracene	4.5	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Benzo[a]anthracene	7.3	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Benzo[a]pyrene	ND		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Benzo[b]fluoranthene	88		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Benzo[g,h,i]perylene	100		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Benzo[k]fluoranthene	21	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Chrysene	25	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Dibenz(a,h)anthracene	6.9	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Fluoranthene	11	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Fluorene	ND		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Indeno[1,2,3-cd]pyrene	77		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Naphthalene	ND		30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Phenanthrene	6.1	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1
Pyrene	12	J	30	3.9	ug/Kg		12/31/18 13:48	01/02/19 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	99		29 - 120	12/31/18 13:48	01/02/19 14:18	1
Nitrobenzene-d5	80		11 - 118	12/31/18 13:48	01/02/19 14:18	1
Terphenyl-d14	90		10 - 120	12/31/18 13:48	01/02/19 14:18	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB10d0.5

Date Collected: 12/26/18 09:30

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-13

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:39	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:55	20

Client Sample ID: SB11d0.5

Date Collected: 12/26/18 09:35

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1
Aroclor 1221	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1
Aroclor 1232	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1
Aroclor 1242	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1
Aroclor 1248	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1
Aroclor 1254	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1
Aroclor 1260	ND		49	17	ug/Kg		12/28/18 15:19	12/31/18 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	61		45 - 120	12/28/18 15:19	12/31/18 13:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:42	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:57	20

Client Sample ID: SB13d0.5

Date Collected: 12/26/18 10:15

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-19

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:44	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 18:00	20

Client Sample ID: SB12d0.5

Date Collected: 12/26/18 10:20

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.8	4.9	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Arsenic	ND		2.9	1.5	mg/Kg		01/02/19 08:41	01/03/19 12:46	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB12d0.5

Lab Sample ID: 440-228716-20

Date Collected: 12/26/18 10:20

Matrix: Solid

Date Received: 12/27/18 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110		1.5	0.74	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Beryllium	ND		0.49	0.25	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Cadmium	0.29	J	0.49	0.25	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Chromium	14		0.98	0.49	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Cobalt	5.7		0.98	0.49	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Copper	19		2.0	1.1	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Lead	110		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Molybdenum	ND		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Nickel	7.5		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Selenium	ND		2.9	1.7	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Silver	ND		1.5	0.87	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Thallium	ND		9.8	4.9	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Vanadium	33		0.98	0.49	mg/Kg		01/02/19 08:41	01/03/19 12:46	5
Zinc	110		4.9	2.5	mg/Kg		01/02/19 08:41	01/03/19 12:46	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.49	0.25	mg/Kg		01/02/19 08:41	01/02/19 18:02	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.020	0.012	mg/Kg		12/27/18 21:07	12/28/18 20:21	1

Client Sample ID: SB12d1.5

Lab Sample ID: 440-228716-22

Date Collected: 12/26/18 10:27

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.7		2.0	1.0	mg/Kg		01/09/19 10:30	01/10/19 13:43	5

Client Sample ID: SB14d0.5

Lab Sample ID: 440-228716-25

Date Collected: 12/26/18 10:40

Matrix: Solid

Date Received: 12/27/18 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Acenaphthylene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Anthracene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Benzo[a]anthracene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Benzo[a]pyrene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Benzo[b]fluoranthene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Benzo[g,h,i]perylene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Benzo[k]fluoranthene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Chrysene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Dibenz(a,h)anthracene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Fluoranthene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Fluorene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Indeno[1,2,3-cd]pyrene	ND	*	290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB14d0.5

Lab Sample ID: 440-228716-25

Date Collected: 12/26/18 10:40

Matrix: Solid

Date Received: 12/27/18 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Phenanthrene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Pyrene	ND		290	39	ug/Kg		12/31/18 13:48	01/02/19 13:53	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	110	*	29 - 120				12/31/18 13:48	01/02/19 13:53	5
Nitrobenzene-d5	0	X	11 - 118				12/31/18 13:48	01/02/19 13:53	5
Terphenyl-d14	0	X	10 - 120				12/31/18 13:48	01/02/19 13:53	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:49	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.10	0.080	mg/L			01/10/19 17:42	20

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		0.49	0.25	mg/Kg		01/02/19 08:41	01/02/19 18:05	20

Client Sample ID: SB15d0.5

Lab Sample ID: 440-228716-26

Date Collected: 12/26/18 10:42

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.8	4.9	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Arsenic	2.1	J	2.9	1.5	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Barium	91		1.5	0.74	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Beryllium	ND		0.49	0.25	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Cadmium	ND		0.49	0.25	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Chromium	14		0.98	0.49	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Cobalt	6.1		0.98	0.49	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Copper	14		2.0	1.1	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Lead	30		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Molybdenum	ND		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Nickel	8.0		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Selenium	ND		2.9	1.7	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Silver	ND		1.5	0.87	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Thallium	ND		9.8	4.9	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Vanadium	34		0.98	0.49	mg/Kg		01/02/19 08:41	01/03/19 12:51	5
Zinc	63		4.9	2.5	mg/Kg		01/02/19 08:41	01/03/19 12:51	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.49	0.25	mg/Kg		01/02/19 08:41	01/02/19 18:07	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.081		0.020	0.012	mg/Kg		12/27/18 21:07	12/28/18 22:36	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB14d1.5

Lab Sample ID: 440-228716-27

Date Collected: 12/26/18 10:45

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		2.0	1.0	mg/Kg		01/09/19 10:30	01/10/19 13:45	5

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228716-31

Date Collected: 12/26/18 16:00

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:53	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 18:09	20

Client Sample ID: Duplicate 2

Lab Sample ID: 440-228716-32

Date Collected: 12/26/18 16:05

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43		2.0	0.98	mg/Kg		01/02/19 08:41	01/03/19 12:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.49	0.25	mg/Kg		01/02/19 08:41	01/02/19 18:12	20

Client Sample ID: Eq Blank

Lab Sample ID: 440-228716-33

Date Collected: 12/26/18 16:10

Matrix: Water

Date Received: 12/27/18 09:15

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/31/18 08:55	01/02/19 10:50	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		01/02/19 08:22	01/02/19 17:32	1

Client Sample ID: SB09,10,11,12d0.5 (Composite)

Lab Sample ID: 440-228716-34

Date Collected: 12/26/18 09:12

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Chlordane (technical)	ND		50	9.9	ug/Kg		12/28/18 14:58	12/29/18 16:58	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB09,10,11,12d0.5 (Composite)

Lab Sample ID: 440-228716-34

Date Collected: 12/26/18 09:12

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	62		28 - 115				12/28/18 14:58	12/29/18 16:58	1
<i>DCB Decachlorobiphenyl (Surr)</i>	62		21 - 117				12/28/18 14:58	12/29/18 16:58	1

Client Sample ID: SB13,14,15d0.5 (Composite)

Lab Sample ID: 440-228716-37

Date Collected: 12/26/18 10:15

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Chlordane (technical)	ND		49	9.8	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
delta-BHC	ND		9.8	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Endosulfan sulfate	ND		9.8	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Endrin ketone	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Heptachlor	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Toxaphene	ND		200	49	ug/Kg		12/28/18 14:58	12/29/18 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	60		28 - 115				12/28/18 14:58	12/29/18 17:23	1
<i>DCB Decachlorobiphenyl (Surr)</i>	109		21 - 117				12/28/18 14:58	12/29/18 17:23	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB68,69,70,71d0.5 (Composite)

Lab Sample ID: 440-228716-38

Date Collected: 12/18/18 12:30

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
4,4'-DDE	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
4,4'-DDT	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Aldrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
alpha-BHC	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
beta-BHC	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Chlordane (technical)	ND		49	9.9	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
delta-BHC	ND		9.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Dieldrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Endosulfan I	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Endosulfan II	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Endosulfan sulfate	ND		9.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Endrin	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Endrin aldehyde	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Endrin ketone	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
gamma-BHC (Lindane)	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Heptachlor	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Heptachlor epoxide	ND		4.9	2.0	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Methoxychlor	ND		4.9	1.5	ug/Kg		12/28/18 14:58	12/29/18 17:49	1
Toxaphene	ND		200	49	ug/Kg		12/28/18 14:58	12/29/18 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	62		28 - 115	12/28/18 14:58	12/29/18 17:49	1
DCB Decachlorobiphenyl (Surr)	84		21 - 117	12/28/18 14:58	12/29/18 17:49	1

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Method	Method Description	Protocol	Laboratory
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
8081A	Organochlorine Pesticides (GC)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
6020	Metals (ICP/MS)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
Subcontract	Asbestos PLM Bulk 600/R-93/116 (no grinding)	None	EMLab
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	TAL IRV

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

None = None

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

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB70d0.5

Date Collected: 12/26/18 08:40

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	520164	12/31/18 11:29	ST	TAL IRV
Total/NA	Analysis	6010B		5			520494	01/02/19 19:53	TQN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 17:31	P1R	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	519710	12/27/18 21:07	DB	TAL IRV
Total/NA	Analysis	7471A		1			519955	12/28/18 20:23	DB	TAL IRV

Client Sample ID: SB71d0.5

Date Collected: 12/26/18 08:45

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	520164	12/31/18 11:29	ST	TAL IRV
Total/NA	Analysis	6010B		5			520494	01/02/19 19:55	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 17:43	P1R	TAL IRV

Client Sample ID: SB72d0.5

Date Collected: 12/26/18 09:10

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	519899	12/28/18 15:19	EGC	TAL IRV
Total/NA	Analysis	8082		1			520156	12/31/18 13:25	JM	TAL IRV
Total/NA	Prep	3050B			1.98 g	50 mL	520170	12/31/18 11:36	ST	TAL IRV
Total/NA	Analysis	6010B		5			520559	01/02/19 19:27	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 17:45	P1R	TAL IRV

Client Sample ID: SB09d0.5

Date Collected: 12/26/18 09:12

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	520170	12/31/18 11:36	ST	TAL IRV
Total/NA	Analysis	6010B		5			520559	01/02/19 19:25	TQN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 17:53	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB10d0.5

Lab Sample ID: 440-228716-13

Date Collected: 12/26/18 09:30

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	1 mL	520197	12/31/18 13:48	EGC	TAL IRV
Total/NA	Analysis	8270C SIM		1			520351	01/02/19 14:18	HN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:39	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 17:55	P1R	TAL IRV

Client Sample ID: SB11d0.5

Lab Sample ID: 440-228716-14

Date Collected: 12/26/18 09:35

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.21 g	2 mL	519899	12/28/18 15:19	EGC	TAL IRV
Total/NA	Analysis	8082		1			520156	12/31/18 13:39	JM	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:42	TQN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 17:57	P1R	TAL IRV

Client Sample ID: SB13d0.5

Lab Sample ID: 440-228716-19

Date Collected: 12/26/18 10:15

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:44	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 18:00	P1R	TAL IRV

Client Sample ID: SB12d0.5

Lab Sample ID: 440-228716-20

Date Collected: 12/26/18 10:20

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:46	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 18:02	P1R	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	519710	12/27/18 21:07	DB	TAL IRV
Total/NA	Analysis	7471A		1			519955	12/28/18 20:21	DB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB12d1.5

Lab Sample ID: 440-228716-22

Date Collected: 12/26/18 10:27

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	521407	01/09/19 10:30	DEG	TAL IRV
Total/NA	Analysis	6010B		5			521739	01/10/19 13:43	TQN	TAL IRV

Client Sample ID: SB14d0.5

Lab Sample ID: 440-228716-25

Date Collected: 12/26/18 10:40

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.32 g	2 mL	520197	12/31/18 13:48	EGC	TAL IRV
Total/NA	Analysis	8270C SIM		5			520351	01/02/19 13:53	HN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	521274	01/08/19 16:17	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			521806	01/10/19 17:42	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:49	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 18:05	P1R	TAL IRV

Client Sample ID: SB15d0.5

Lab Sample ID: 440-228716-26

Date Collected: 12/26/18 10:42

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:51	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 18:07	P1R	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	519710	12/27/18 21:07	DB	TAL IRV
Total/NA	Analysis	7471A		1			519957	12/28/18 22:36	DB	TAL IRV

Client Sample ID: SB14d1.5

Lab Sample ID: 440-228716-27

Date Collected: 12/26/18 10:45

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	521407	01/09/19 10:30	DEG	TAL IRV
Total/NA	Analysis	6010B		5			521739	01/10/19 13:45	TQN	TAL IRV

Client Sample ID: Duplicate 1

Lab Sample ID: 440-228716-31

Date Collected: 12/26/18 16:00

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: Duplicate 1

Date Collected: 12/26/18 16:00
Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			520598	01/03/19 12:53	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 18:09	P1R	TAL IRV

Client Sample ID: Duplicate 2

Date Collected: 12/26/18 16:05
Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			520598	01/03/19 12:55	TQN	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	520316	01/02/19 08:41	DT	TAL IRV
Total/NA	Analysis	6020		20			520456	01/02/19 18:12	P1R	TAL IRV

Client Sample ID: Eq Blank

Date Collected: 12/26/18 16:10
Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	520141	12/31/18 08:55	KE	TAL IRV
Total Recoverable	Analysis	6010B		1			520356	01/02/19 10:50	TQN	TAL IRV
Total Recoverable	Prep	3005A			25 mL	25 mL	520307	01/02/19 08:22	KE	TAL IRV
Total Recoverable	Analysis	6020		1			520447	01/02/19 17:32	P1R	TAL IRV

Client Sample ID: SB09,10,11,12d0.5 (Composite)

Date Collected: 12/26/18 09:12
Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 16:58	D1D	TAL IRV

Client Sample ID: SB13,14,15d0.5 (Composite)

Date Collected: 12/26/18 10:15
Date Received: 12/27/18 09:15

Lab Sample ID: 440-228716-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.24 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 17:23	D1D	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Client Sample ID: SB68,69,70,71d0.5 (Composite)

Lab Sample ID: 440-228716-38

Date Collected: 12/18/18 12:30

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.19 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 17:49	D1D	TAL IRV

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: MB 440-520197/1-A

Matrix: Solid

Analysis Batch: 520351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Chrysene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Fluorene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Naphthalene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Phenanthrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		29 - 120	12/31/18 13:48	01/02/19 12:40	1
Nitrobenzene-d5	86		11 - 118	12/31/18 13:48	01/02/19 12:40	1
Terphenyl-d14	93		10 - 120	12/31/18 13:48	01/02/19 12:40	1

Lab Sample ID: LCS 440-520197/2-A

Matrix: Solid

Analysis Batch: 520351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	66.7	57.5		ug/Kg		86	48 - 120
Acenaphthylene	66.7	53.0		ug/Kg		80	47 - 120
Anthracene	66.7	55.6		ug/Kg		83	46 - 120
Benzo[a]anthracene	66.7	56.0		ug/Kg		84	48 - 120
Benzo[a]pyrene	66.7	52.9		ug/Kg		79	48 - 120
Benzo[b]fluoranthene	66.7	54.3		ug/Kg		82	49 - 120
Benzo[g,h,i]perylene	66.7	57.3		ug/Kg		86	38 - 127
Benzo[k]fluoranthene	66.7	54.7		ug/Kg		82	48 - 120
Chrysene	66.7	56.8		ug/Kg		85	48 - 120
Dibenz(a,h)anthracene	66.7	56.6		ug/Kg		85	39 - 120
Fluoranthene	66.7	62.1		ug/Kg		93	46 - 120
Fluorene	66.7	66.7		ug/Kg		100	47 - 120
Indeno[1,2,3-cd]pyrene	66.7	56.4		ug/Kg		85	42 - 120
Naphthalene	66.7	56.9		ug/Kg		85	46 - 120
Phenanthrene	66.7	58.1		ug/Kg		87	47 - 120
Pyrene	66.7	63.4		ug/Kg		95	46 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	87		29 - 120
Nitrobenzene-d5	86		11 - 118

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: LCS 440-520197/2-A
Matrix: Solid
Analysis Batch: 520351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520197

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	98		10 - 120

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-519893/1-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		28 - 115	12/28/18 14:58	12/29/18 13:32	1
DCB Decachlorobiphenyl (Surr)	88		21 - 117	12/28/18 14:58	12/29/18 13:32	1

Lab Sample ID: LCS 440-519893/2-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits %Rec.
4,4'-DDD	13.3	12.2		ug/Kg		91	59 - 118
4,4'-DDE	13.3	11.7		ug/Kg		88	55 - 115
4,4'-DDT	13.3	11.4		ug/Kg		85	60 - 131
Aldrin	13.3	11.0		ug/Kg		82	53 - 115
alpha-BHC	13.3	12.0		ug/Kg		90	57 - 115
beta-BHC	13.3	11.6		ug/Kg		87	58 - 115
delta-BHC	13.3	12.0		ug/Kg		90	52 - 115
Dieldrin	13.3	11.8		ug/Kg		88	57 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-519893/2-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Endosulfan I	13.3	11.8		ug/Kg		89	56 - 115
Endosulfan II	13.3	12.0		ug/Kg		90	60 - 117
Endosulfan sulfate	13.3	11.2		ug/Kg		84	60 - 115
Endrin	13.3	12.3		ug/Kg		92	61 - 120
Endrin aldehyde	13.3	9.96		ug/Kg		75	54 - 115
Endrin ketone	13.3	12.6		ug/Kg		94	54 - 119
gamma-BHC (Lindane)	13.3	11.8		ug/Kg		88	56 - 115
Heptachlor	13.3	11.5		ug/Kg		86	52 - 115
Heptachlor epoxide	13.3	11.8		ug/Kg		88	59 - 115
Methoxychlor	13.3	12.8		ug/Kg		96	60 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	81		28 - 115
DCB Decachlorobiphenyl (Surr)	93		21 - 117

Lab Sample ID: 440-228639-A-75-A MS
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	ND		13.2	7.15		ug/Kg		54	10 - 150
4,4'-DDE	ND		13.2	8.17		ug/Kg		62	10 - 150
4,4'-DDT	ND		13.2	5.26		ug/Kg		40	13 - 141
Aldrin	ND	F2	13.2	3.62	J p	ug/Kg		27	10 - 150
alpha-BHC	ND		13.2	1.68	J	ug/Kg		13	12 - 125
beta-BHC	ND		13.2	5.70		ug/Kg		43	10 - 150
delta-BHC	ND	F1	13.2	ND	F1	ug/Kg		0	12 - 130
Dieldrin	ND		13.2	7.01		ug/Kg		53	10 - 150
Endosulfan I	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150
Endosulfan II	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150
Endosulfan sulfate	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150
Endrin	ND		13.2	7.24		ug/Kg		55	10 - 150
Endrin aldehyde	ND		13.2	2.64	J	ug/Kg		20	10 - 131
Endrin ketone	ND		13.2	3.28	J	ug/Kg		25	10 - 134
gamma-BHC (Lindane)	ND	F1	13.2	ND	F1	ug/Kg		0	20 - 119
Heptachlor	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150
Heptachlor epoxide	ND		13.2	7.16		ug/Kg		54	10 - 150
Methoxychlor	ND		13.2	2.73	J	ug/Kg		21	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	52		28 - 115
DCB Decachlorobiphenyl (Surr)	50		21 - 117

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-228639-A-75-B MSD

Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA
Prep Batch: 519893

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
4,4'-DDD	ND		13.3	6.49		ug/Kg		49	10 - 150	10	26
4,4'-DDE	ND		13.3	7.60		ug/Kg		57	10 - 150	7	40
4,4'-DDT	ND		13.3	4.85	J	ug/Kg		36	13 - 141	8	26
Aldrin	ND	F2	13.3	6.74	F2	ug/Kg		51	10 - 150	60	26
alpha-BHC	ND		13.3	1.57	J	ug/Kg		12	12 - 125	7	18
beta-BHC	ND		13.3	5.43		ug/Kg		41	10 - 150	5	33
delta-BHC	ND	F1	13.3	ND	F1	ug/Kg		0	12 - 130	NC	35
Dieldrin	ND		13.3	6.49		ug/Kg		49	10 - 150	8	28
Endosulfan I	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	32
Endosulfan II	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	25
Endosulfan sulfate	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	35
Endrin	ND		13.3	6.70		ug/Kg		50	10 - 150	8	27
Endrin aldehyde	ND		13.3	2.45	J	ug/Kg		18	10 - 131	7	33
Endrin ketone	ND		13.3	3.17	J	ug/Kg		24	10 - 134	3	40
gamma-BHC (Lindane)	ND	F1	13.3	ND	F1	ug/Kg		0	20 - 119	NC	24
Heptachlor	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	28
Heptachlor epoxide	ND		13.3	6.78		ug/Kg		51	10 - 150	5	25
Methoxychlor	ND		13.3	2.51	J	ug/Kg		19	10 - 150	9	34

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	48		28 - 115
DCB Decachlorobiphenyl (Surr)	46		21 - 117

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

Lab Sample ID: MB 440-519899/1-A

Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 519899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1221	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1232	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1242	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1248	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1254	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1260	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	93		45 - 120	12/28/18 15:19	12/31/18 12:32	1

Lab Sample ID: LCS 440-519899/2-A

Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA
Prep Batch: 519899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	267	229		ug/Kg		86	65 - 115

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: LCS 440-519899/2-A
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor 1260	267	239		ug/Kg		90	65 - 115
Surrogate	%Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	92		45 - 120				

Lab Sample ID: 440-228716-7 MS
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: SB72d0.5
Prep Type: Total/NA
Prep Batch: 519899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	ND		266	183		ug/Kg		69	50 - 120
Aroclor 1260	ND		266	198		ug/Kg		74	50 - 125
Surrogate	%Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl (Surr)	71		45 - 120						

Lab Sample ID: 440-228716-7 MSD
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: SB72d0.5
Prep Type: Total/NA
Prep Batch: 519899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aroclor 1016	ND		265	186		ug/Kg		70	50 - 120	1	30
Aroclor 1260	ND		265	199		ug/Kg		75	50 - 125	0	30
Surrogate	%Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	71		45 - 120								

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-520164/1-A ^5
Matrix: Solid
Analysis Batch: 520494

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.1	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Arsenic	ND		3.0	1.5	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Barium	ND		1.5	0.76	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Beryllium	ND		0.51	0.25	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Cadmium	ND		0.51	0.25	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Chromium	ND		1.0	0.51	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Cobalt	ND		1.0	0.51	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Copper	ND		2.0	1.1	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Nickel	ND		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Selenium	ND		3.0	1.7	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Silver	ND		1.5	0.90	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Thallium	ND		10	5.1	mg/Kg		12/31/18 11:29	01/02/19 18:46	5

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: MB 440-520164/1-A ^5
Matrix: Solid
Analysis Batch: 520494

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		1.0	0.51	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Zinc	ND		5.1	2.5	mg/Kg		12/31/18 11:29	01/02/19 18:46	5
Lead	ND		2.0	1.0	mg/Kg		12/31/18 11:29	01/02/19 18:46	5

Lab Sample ID: LCS 440-520164/2-A ^5
Matrix: Solid
Analysis Batch: 520494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	51.0	48.4		mg/Kg		95	80 - 120
Arsenic	51.0	47.6		mg/Kg		93	80 - 120
Barium	51.0	48.0		mg/Kg		94	80 - 120
Beryllium	51.0	46.9		mg/Kg		92	80 - 120
Cadmium	51.0	47.3		mg/Kg		93	80 - 120
Chromium	51.0	48.3		mg/Kg		95	80 - 120
Cobalt	51.0	48.1		mg/Kg		94	80 - 120
Copper	51.0	48.8		mg/Kg		96	80 - 120
Molybdenum	51.0	48.4		mg/Kg		95	80 - 120
Nickel	51.0	48.2		mg/Kg		95	80 - 120
Selenium	51.0	44.3		mg/Kg		87	80 - 120
Silver	25.5	23.9		mg/Kg		94	80 - 120
Thallium	51.0	46.5		mg/Kg		91	80 - 120
Vanadium	51.0	48.1		mg/Kg		94	80 - 120
Zinc	51.0	47.5		mg/Kg		93	80 - 120
Lead	51.0	47.6		mg/Kg		93	80 - 120

Lab Sample ID: 440-228796-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 520494

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 520164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	50.0	16.7	F1	mg/Kg		33	75 - 125
Arsenic	3.3		50.0	45.1		mg/Kg		84	75 - 125
Barium	130		50.0	173		mg/Kg		85	75 - 125
Beryllium	0.73		50.0	44.9		mg/Kg		88	75 - 125
Cadmium	0.35	J	50.0	44.4		mg/Kg		88	75 - 125
Chromium	22		50.0	68.8		mg/Kg		94	75 - 125
Cobalt	12		50.0	54.7		mg/Kg		86	75 - 125
Copper	17		50.0	65.6		mg/Kg		96	75 - 125
Molybdenum	1.1	J	50.0	44.7		mg/Kg		87	75 - 125
Nickel	14		50.0	60.2		mg/Kg		93	75 - 125
Selenium	ND		50.0	41.1		mg/Kg		82	75 - 125
Silver	ND		25.0	22.5		mg/Kg		90	75 - 125
Thallium	ND		50.0	43.1		mg/Kg		86	75 - 125
Vanadium	48		50.0	96.2		mg/Kg		96	75 - 125
Zinc	49		50.0	93.0		mg/Kg		87	75 - 125
Lead	16		50.0	58.6		mg/Kg		85	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: 440-228796-A-1-C MSD ^5

Matrix: Solid
Analysis Batch: 520494

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA
Prep Batch: 520164

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Antimony	ND	F1	51.0	16.2	F1	mg/Kg		32	75 - 125	3	20	
Arsenic	3.3		51.0	47.5		mg/Kg		87	75 - 125	5	20	
Barium	130		51.0	178		mg/Kg		93	75 - 125	3	20	
Beryllium	0.73		51.0	46.7		mg/Kg		90	75 - 125	4	20	
Cadmium	0.35	J	51.0	45.4		mg/Kg		88	75 - 125	2	20	
Chromium	22		51.0	69.0		mg/Kg		92	75 - 125	0	20	
Cobalt	12		51.0	56.3		mg/Kg		87	75 - 125	3	20	
Copper	17		51.0	66.2		mg/Kg		96	75 - 125	1	20	
Molybdenum	1.1	J	51.0	45.4		mg/Kg		87	75 - 125	2	20	
Nickel	14		51.0	61.1		mg/Kg		93	75 - 125	2	20	
Selenium	ND		51.0	42.0		mg/Kg		82	75 - 125	2	20	
Silver	ND		25.5	22.9		mg/Kg		90	75 - 125	2	20	
Thallium	ND		51.0	43.6		mg/Kg		85	75 - 125	1	20	
Vanadium	48		51.0	96.3		mg/Kg		94	75 - 125	0	20	
Zinc	49		51.0	95.3		mg/Kg		90	75 - 125	3	20	
Lead	16		51.0	61.5		mg/Kg		89	75 - 125	5	20	

Lab Sample ID: MB 440-520170/1-A ^5

Matrix: Solid
Analysis Batch: 520559

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 520170

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		2.0	1.0	mg/Kg		12/31/18 11:36	01/02/19 18:10	5

Lab Sample ID: LCS 440-520170/2-A ^5

Matrix: Solid
Analysis Batch: 520559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA
Prep Batch: 520170

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
Lead	49.5	49.7		mg/Kg		100	80 - 120

Lab Sample ID: 440-228797-A-16-B MS ^5

Matrix: Solid
Analysis Batch: 520559

Client Sample ID: Matrix Spike

Prep Type: Total/NA
Prep Batch: 520170

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Lead	10		51.0	65.3		mg/Kg		108	75 - 125	

Lab Sample ID: 440-228797-A-16-C MSD ^5

Matrix: Solid
Analysis Batch: 520559

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA
Prep Batch: 520170

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Lead	10		49.8	56.7		mg/Kg		93	75 - 125	14	20	

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: MB 440-520316/1-A ^5
Matrix: Solid
Analysis Batch: 520598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Arsenic	ND		3.0	1.5	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Barium	ND		1.5	0.75	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Beryllium	ND		0.50	0.25	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Cadmium	ND		0.50	0.25	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Chromium	ND		1.0	0.50	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Cobalt	ND		1.0	0.50	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Copper	ND		2.0	1.1	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Molybdenum	ND		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Nickel	ND		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Selenium	ND		3.0	1.7	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Silver	ND		1.5	0.89	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Thallium	ND		10	5.0	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Vanadium	ND		1.0	0.50	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Zinc	ND		5.0	2.5	mg/Kg		01/02/19 08:41	01/03/19 12:08	5
Lead	ND		2.0	1.0	mg/Kg		01/02/19 08:41	01/03/19 12:08	5

Lab Sample ID: LCS 440-520316/2-A ^5
Matrix: Solid
Analysis Batch: 520598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	49.5	47.6		mg/Kg		96	80 - 120
Arsenic	49.5	46.5		mg/Kg		94	80 - 120
Barium	49.5	46.3		mg/Kg		94	80 - 120
Beryllium	49.5	45.6		mg/Kg		92	80 - 120
Cadmium	49.5	46.0		mg/Kg		93	80 - 120
Chromium	49.5	46.9		mg/Kg		95	80 - 120
Cobalt	49.5	47.1		mg/Kg		95	80 - 120
Copper	49.5	47.2		mg/Kg		95	80 - 120
Molybdenum	49.5	47.1		mg/Kg		95	80 - 120
Nickel	49.5	46.9		mg/Kg		95	80 - 120
Selenium	49.5	42.6		mg/Kg		86	80 - 120
Silver	24.8	23.2		mg/Kg		94	80 - 120
Thallium	49.5	45.1		mg/Kg		91	80 - 120
Vanadium	49.5	46.5		mg/Kg		94	80 - 120
Zinc	49.5	46.0		mg/Kg		93	80 - 120
Lead	49.5	46.6		mg/Kg		94	80 - 120

Lab Sample ID: 440-228716-1 MS
Matrix: Solid
Analysis Batch: 520598

Client Sample ID: SB70d0.5
Prep Type: Total/NA
Prep Batch: 520316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	50.0	31.3	F1	mg/Kg		63	75 - 125
Arsenic	2.1	J	50.0	46.5		mg/Kg		89	75 - 125
Barium	78		50.0	127		mg/Kg		96	75 - 125
Beryllium	ND		50.0	45.5		mg/Kg		91	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: 440-228716-1 MS
Matrix: Solid
Analysis Batch: 520598

Client Sample ID: SB70d0.5
Prep Type: Total/NA
Prep Batch: 520316
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	ND		50.0	44.4		mg/Kg		89	75 - 125
Chromium	13		50.0	60.5		mg/Kg		94	75 - 125
Cobalt	6.4		50.0	51.4		mg/Kg		90	75 - 125
Copper	16		50.0	63.5		mg/Kg		95	75 - 125
Molybdenum	ND		50.0	45.9		mg/Kg		92	75 - 125
Nickel	7.8		50.0	52.2		mg/Kg		89	75 - 125
Selenium	ND		50.0	41.6		mg/Kg		83	75 - 125
Silver	ND		25.0	22.6		mg/Kg		91	75 - 125
Thallium	ND		50.0	43.1		mg/Kg		86	75 - 125
Vanadium	37		50.0	87.0		mg/Kg		100	75 - 125
Zinc	47		50.0	91.7		mg/Kg		90	75 - 125
Lead	25		50.0	71.2		mg/Kg		93	75 - 125

Lab Sample ID: 440-228716-1 MSD
Matrix: Solid
Analysis Batch: 520598

Client Sample ID: SB70d0.5
Prep Type: Total/NA
Prep Batch: 520316
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	50.0	29.9	F1	mg/Kg		60	75 - 125	5	20
Arsenic	2.1	J	50.0	46.3		mg/Kg		88	75 - 125	1	20
Barium	78		50.0	125		mg/Kg		93	75 - 125	1	20
Beryllium	ND		50.0	44.5		mg/Kg		89	75 - 125	2	20
Cadmium	ND		50.0	43.7		mg/Kg		87	75 - 125	2	20
Chromium	13		50.0	59.4		mg/Kg		92	75 - 125	2	20
Cobalt	6.4		50.0	50.5		mg/Kg		88	75 - 125	2	20
Copper	16		50.0	62.0		mg/Kg		92	75 - 125	2	20
Molybdenum	ND		50.0	45.0		mg/Kg		90	75 - 125	2	20
Nickel	7.8		50.0	51.3		mg/Kg		87	75 - 125	2	20
Selenium	ND		50.0	41.2		mg/Kg		82	75 - 125	1	20
Silver	ND		25.0	22.2		mg/Kg		89	75 - 125	2	20
Thallium	ND		50.0	41.9		mg/Kg		84	75 - 125	3	20
Vanadium	37		50.0	85.0		mg/Kg		96	75 - 125	2	20
Zinc	47		50.0	89.3		mg/Kg		85	75 - 125	3	20
Lead	25		50.0	67.8		mg/Kg		87	75 - 125	5	20

Lab Sample ID: MB 440-521407/1-A ^5
Matrix: Solid
Analysis Batch: 521739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		01/09/19 10:30	01/10/19 12:39	5

Lab Sample ID: LCS 440-521407/2-A ^5
Matrix: Solid
Analysis Batch: 521739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521407
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.5	47.8		mg/Kg		97	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

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

Lab Sample ID: 440-229182-A-1-B MS ^5

Matrix: Solid
Analysis Batch: 521739

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 521407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	8.4		50.0	52.7		mg/Kg		89	75 - 125

Lab Sample ID: 440-229182-A-1-C MSD ^5

Matrix: Solid
Analysis Batch: 521739

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 521407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	8.4		49.8	51.4		mg/Kg		87	75 - 125	2	20

Lab Sample ID: MB 440-520141/1-A

Matrix: Water
Analysis Batch: 520356

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 520141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		12/31/18 08:55	01/02/19 10:08	1

Lab Sample ID: LCS 440-520141/2-A

Matrix: Water
Analysis Batch: 520356

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 520141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	1.04		mg/L		104	80 - 120

Lab Sample ID: 440-228784-J-3-B MS

Matrix: Water
Analysis Batch: 520356

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 520141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		1.00	0.985		mg/L		98	75 - 125

Lab Sample ID: 440-228784-J-3-C MSD

Matrix: Water
Analysis Batch: 520356

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 520141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		1.00	1.01		mg/L		101	75 - 125	2	20

Lab Sample ID: MB 440-521274/1-A ^20

Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			01/10/19 17:16	20

Lab Sample ID: LCS 440-521274/2-A ^20

Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	20.0	21.1		mg/L		106	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Lab Sample ID: 440-228400-A-36-B MS ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	22		20.0	41.8		mg/L		98	75 - 125

Lab Sample ID: 440-228400-A-36-B MSD ^20
Matrix: Solid
Analysis Batch: 521806

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	22		20.0	42.3		mg/L		101	75 - 125	1	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-520316/1-A ^20
Matrix: Solid
Analysis Batch: 520456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/Kg		01/02/19 08:41	01/02/19 17:26	20

Lab Sample ID: LCS 440-520316/2-A ^20
Matrix: Solid
Analysis Batch: 520456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	49.5	46.2		mg/Kg		93	80 - 120

Lab Sample ID: 440-228716-1 MS
Matrix: Solid
Analysis Batch: 520456

Client Sample ID: SB70d0.5
Prep Type: Total/NA
Prep Batch: 520316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.4		50.0	45.1		mg/Kg		87	80 - 120

Lab Sample ID: 440-228716-1 MSD
Matrix: Solid
Analysis Batch: 520456

Client Sample ID: SB70d0.5
Prep Type: Total/NA
Prep Batch: 520316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	1.4		50.0	43.7		mg/Kg		84	80 - 120	3	20

Lab Sample ID: MB 440-520307/1-A
Matrix: Water
Analysis Batch: 520447

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 520307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.50	ug/L		01/02/19 08:22	01/02/19 17:22	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 440-520307/2-A
Matrix: Water
Analysis Batch: 520447

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 520307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	80.0	76.1		ug/L		95	80 - 120

Lab Sample ID: LCSD 440-520307/3-A
Matrix: Water
Analysis Batch: 520447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 520307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	80.0	73.5		ug/L		92	80 - 120	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-519710/1-A
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		12/27/18 21:07	12/28/18 19:49	1

Lab Sample ID: LCS 440-519710/2-A
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.800	0.794		mg/Kg		99	80 - 120

Lab Sample ID: 440-228239-C-2-H MS
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.021		0.800	0.640		mg/Kg		77	75 - 125

Lab Sample ID: 440-228239-C-2-I MSD
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.021		0.800	0.657		mg/Kg		79	75 - 125	3	20

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

GC/MS Semi VOA

Prep Batch: 520197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-13	SB10d0.5	Total/NA	Solid	3546	
440-228716-25	SB14d0.5	Total/NA	Solid	3546	
MB 440-520197/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-520197/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 520351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-13	SB10d0.5	Total/NA	Solid	8270C SIM	520197
440-228716-25	SB14d0.5	Total/NA	Solid	8270C SIM	520197
MB 440-520197/1-A	Method Blank	Total/NA	Solid	8270C SIM	520197
LCS 440-520197/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	520197

GC Semi VOA

Prep Batch: 519893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-34	SB09,10,11,12d0.5 (Composite)	Total/NA	Solid	3546	
440-228716-37	SB13,14,15d0.5 (Composite)	Total/NA	Solid	3546	
440-228716-38	SB68,69,70,71d0.5 (Composite)	Total/NA	Solid	3546	
MB 440-519893/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519893/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228639-A-75-A MS	Matrix Spike	Total/NA	Solid	3546	
440-228639-A-75-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 519899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-7	SB72d0.5	Total/NA	Solid	3546	
440-228716-14	SB11d0.5	Total/NA	Solid	3546	
MB 440-519899/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519899/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228716-7 MS	SB72d0.5	Total/NA	Solid	3546	
440-228716-7 MSD	SB72d0.5	Total/NA	Solid	3546	

Analysis Batch: 519899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-34	SB09,10,11,12d0.5 (Composite)	Total/NA	Solid	8081A	519899
440-228716-37	SB13,14,15d0.5 (Composite)	Total/NA	Solid	8081A	519899
440-228716-38	SB68,69,70,71d0.5 (Composite)	Total/NA	Solid	8081A	519899
MB 440-519899/1-A	Method Blank	Total/NA	Solid	8081A	519899
LCS 440-519899/2-A	Lab Control Sample	Total/NA	Solid	8081A	519899
440-228639-A-75-A MS	Matrix Spike	Total/NA	Solid	8081A	519899
440-228639-A-75-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	519899

Analysis Batch: 520156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-7	SB72d0.5	Total/NA	Solid	8082	519899
440-228716-14	SB11d0.5	Total/NA	Solid	8082	519899
MB 440-519899/1-A	Method Blank	Total/NA	Solid	8082	519899
LCS 440-519899/2-A	Lab Control Sample	Total/NA	Solid	8082	519899
440-228716-7 MS	SB72d0.5	Total/NA	Solid	8082	519899

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

GC Semi VOA (Continued)

Analysis Batch: 520156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-7 MSD	SB72d0.5	Total/NA	Solid	8082	519899

Metals

Prep Batch: 519710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-1	SB70d0.5	Total/NA	Solid	7471A	
440-228716-20	SB12d0.5	Total/NA	Solid	7471A	
440-228716-26	SB15d0.5	Total/NA	Solid	7471A	
MB 440-519710/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-519710/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-228239-C-2-H MS	Matrix Spike	Total/NA	Solid	7471A	
440-228239-C-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 519955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-1	SB70d0.5	Total/NA	Solid	7471A	519710
440-228716-20	SB12d0.5	Total/NA	Solid	7471A	519710
MB 440-519710/1-A	Method Blank	Total/NA	Solid	7471A	519710
LCS 440-519710/2-A	Lab Control Sample	Total/NA	Solid	7471A	519710
440-228239-C-2-H MS	Matrix Spike	Total/NA	Solid	7471A	519710
440-228239-C-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	519710

Analysis Batch: 519957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-26	SB15d0.5	Total/NA	Solid	7471A	519710

Prep Batch: 520141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-33	Eq Blank	Total Recoverable	Water	3005A	
MB 440-520141/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-520141/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-228784-J-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
440-228784-J-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 520164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-1	SB70d0.5	Total/NA	Solid	3050B	
440-228716-2	SB71d0.5	Total/NA	Solid	3050B	
MB 440-520164/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520164/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228796-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228796-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 520170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-7	SB72d0.5	Total/NA	Solid	3050B	
440-228716-8	SB09d0.5	Total/NA	Solid	3050B	
MB 440-520170/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520170/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Metals (Continued)

Prep Batch: 520170 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228797-A-16-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-228797-A-16-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 520307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-33	Eq Blank	Total Recoverable	Water	3005A	
MB 440-520307/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-520307/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 440-520307/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 520316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-1	SB70d0.5	Total/NA	Solid	3050B	
440-228716-2	SB71d0.5	Total/NA	Solid	3050B	
440-228716-7	SB72d0.5	Total/NA	Solid	3050B	
440-228716-8	SB09d0.5	Total/NA	Solid	3050B	
440-228716-13	SB10d0.5	Total/NA	Solid	3050B	
440-228716-14	SB11d0.5	Total/NA	Solid	3050B	
440-228716-19	SB13d0.5	Total/NA	Solid	3050B	
440-228716-20	SB12d0.5	Total/NA	Solid	3050B	
440-228716-25	SB14d0.5	Total/NA	Solid	3050B	
440-228716-26	SB15d0.5	Total/NA	Solid	3050B	
440-228716-31	Duplicate 1	Total/NA	Solid	3050B	
440-228716-32	Duplicate 2	Total/NA	Solid	3050B	
MB 440-520316/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-520316/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520316/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-520316/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228716-1 MS	SB70d0.5	Total/NA	Solid	3050B	
440-228716-1 MSD	SB70d0.5	Total/NA	Solid	3050B	

Analysis Batch: 520356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-33	Eq Blank	Total Recoverable	Water	6010B	520141
MB 440-520141/1-A	Method Blank	Total Recoverable	Water	6010B	520141
LCS 440-520141/2-A	Lab Control Sample	Total Recoverable	Water	6010B	520141
440-228784-J-3-B MS	Matrix Spike	Total Recoverable	Water	6010B	520141
440-228784-J-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	520141

Analysis Batch: 520447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-33	Eq Blank	Total Recoverable	Water	6020	520307
MB 440-520307/1-A	Method Blank	Total Recoverable	Water	6020	520307
LCS 440-520307/2-A	Lab Control Sample	Total Recoverable	Water	6020	520307
LCS 440-520307/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	520307

Analysis Batch: 520456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-1	SB70d0.5	Total/NA	Solid	6020	520316
440-228716-2	SB71d0.5	Total/NA	Solid	6020	520316
440-228716-7	SB72d0.5	Total/NA	Solid	6020	520316

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Metals (Continued)

Analysis Batch: 520456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-8	SB09d0.5	Total/NA	Solid	6020	520316
440-228716-13	SB10d0.5	Total/NA	Solid	6020	520316
440-228716-14	SB11d0.5	Total/NA	Solid	6020	520316
440-228716-19	SB13d0.5	Total/NA	Solid	6020	520316
440-228716-20	SB12d0.5	Total/NA	Solid	6020	520316
440-228716-25	SB14d0.5	Total/NA	Solid	6020	520316
440-228716-26	SB15d0.5	Total/NA	Solid	6020	520316
440-228716-31	Duplicate 1	Total/NA	Solid	6020	520316
440-228716-32	Duplicate 2	Total/NA	Solid	6020	520316
MB 440-520316/1-A ^20	Method Blank	Total/NA	Solid	6020	520316
LCS 440-520316/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	520316
440-228716-1 MS	SB70d0.5	Total/NA	Solid	6020	520316
440-228716-1 MSD	SB70d0.5	Total/NA	Solid	6020	520316

Analysis Batch: 520494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-1	SB70d0.5	Total/NA	Solid	6010B	520164
440-228716-2	SB71d0.5	Total/NA	Solid	6010B	520164
MB 440-520164/1-A ^5	Method Blank	Total/NA	Solid	6010B	520164
LCS 440-520164/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520164
440-228796-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	520164
440-228796-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	520164

Analysis Batch: 520559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-7	SB72d0.5	Total/NA	Solid	6010B	520170
440-228716-8	SB09d0.5	Total/NA	Solid	6010B	520170
MB 440-520170/1-A ^5	Method Blank	Total/NA	Solid	6010B	520170
LCS 440-520170/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520170
440-228797-A-16-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	520170
440-228797-A-16-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	520170

Analysis Batch: 520598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-13	SB10d0.5	Total/NA	Solid	6010B	520316
440-228716-14	SB11d0.5	Total/NA	Solid	6010B	520316
440-228716-19	SB13d0.5	Total/NA	Solid	6010B	520316
440-228716-20	SB12d0.5	Total/NA	Solid	6010B	520316
440-228716-25	SB14d0.5	Total/NA	Solid	6010B	520316
440-228716-26	SB15d0.5	Total/NA	Solid	6010B	520316
440-228716-31	Duplicate 1	Total/NA	Solid	6010B	520316
440-228716-32	Duplicate 2	Total/NA	Solid	6010B	520316
MB 440-520316/1-A ^5	Method Blank	Total/NA	Solid	6010B	520316
LCS 440-520316/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520316
440-228716-1 MS	SB70d0.5	Total/NA	Solid	6010B	520316
440-228716-1 MSD	SB70d0.5	Total/NA	Solid	6010B	520316

Leach Batch: 521274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-25	SB14d0.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-521274/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Metals (Continued)

Leach Batch: 521274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-521274/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228400-A-36-B MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-228400-A-36-B MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 521407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-22	SB12d1.5	Total/NA	Solid	3050B	
440-228716-27	SB14d1.5	Total/NA	Solid	3050B	
MB 440-521407/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-521407/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-229182-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-229182-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 521739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-22	SB12d1.5	Total/NA	Solid	6010B	521407
440-228716-27	SB14d1.5	Total/NA	Solid	6010B	521407
MB 440-521407/1-A ^5	Method Blank	Total/NA	Solid	6010B	521407
LCS 440-521407/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	521407
440-229182-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	521407
440-229182-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	521407

Analysis Batch: 521806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228716-25	SB14d0.5	STLC Citrate	Solid	6010B	521274
MB 440-521274/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	521274
LCS 440-521274/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	521274
440-228400-A-36-B MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	521274
440-228400-A-36-B MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	521274

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228716-3

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8270C SIM	3546	Solid	Acenaphthene
8270C SIM	3546	Solid	Acenaphthylene
8270C SIM	3546	Solid	Anthracene
8270C SIM	3546	Solid	Benzo[a]anthracene
8270C SIM	3546	Solid	Benzo[a]pyrene
8270C SIM	3546	Solid	Benzo[b]fluoranthene
8270C SIM	3546	Solid	Benzo[g,h,i]perylene
8270C SIM	3546	Solid	Benzo[k]fluoranthene
8270C SIM	3546	Solid	Chrysene
8270C SIM	3546	Solid	Dibenz(a,h)anthracene
8270C SIM	3546	Solid	Fluoranthene
8270C SIM	3546	Solid	Fluorene
8270C SIM	3546	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3546	Solid	Naphthalene
8270C SIM	3546	Solid	Phenanthrene
8270C SIM	3546	Solid	Pyrene



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Report for:

Ms. Urvashi Patel
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-228716-1
 EML ID: 2067555

Approved by:

Approved Signatory
 Danny Li

REVISED REPORT

Dates of Analysis:
 Asbestos PLM: 03-28-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



EMLab P&K

17461 Derian Ave, Suite 100, Irvine, CA 92614
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Irvine
C/O: Ms. Urvashi Patel
Re: 440-228716-1

Date of Sampling: 12-26-2018
Date of Receipt: 12-27-2018
Date of Report: 01-02-2019

ASBESTOS PLM REPORT

Total Samples Submitted: 1
Total Samples Analyzed: 1
Total Samples with Layer Asbestos Content > 1%: 0

Location: SB71d0.5 (440-228716-2)

Lab ID-Version‡: 9767597-4

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

RD
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CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 WPI Contact: RDeamer@wpinc.com, JIacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com
 Result Turnaround: 3 Days OCPs analysis composite 3 day all else standard

Additional Instructions: composite per quote No. 44021693 attached table
 Follow DTSC composite sampling protocol wherever composites are requested. tbl 1.5 & 2.5 Samples

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
1 SB70d0.5	12/26/18	0840	SOIL	1	X	X	X					
2 SB71d0.5		0845		2	X	X	X				X	hold/archive
3 SB70d1.5		0850		1	X	X	X				X	hold/archive
4 SB71d1.5		0855		2	X	X	X				X	hold/archive
5 SB70d2.5		0900		2	X	X	X				X	hold/archive
6 SB71d2.5		0905		2	X	X	X				X	hold/archive
7 SB72d0.5		0910		1	X	X	X	X				hold/archive
8 SB70d0.5		0912		1	X	X	X	X				hold/archive
9 SB09d1.5		0915		1	X	X	X	X				hold/archive
10 SB72d1.5		0917		1	X	X	X	X				hold/archive



440-228716 Chain of Custody

12/27/18

Relinquished By: *[Signature]*
 Received By: *[Signature]*
 Date: 12/26/18
 Time: 1610
 Relinquished By: *[Signature]*
 Received By: *[Signature]*
 Date: 12/27/18
 Time: 0915

TH IRV 12/27/18 0949
 TA IRV 12/27/18 0949
 4-8/5.0 IRV 94

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RD
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WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer	
Additional Instructions: composite per attached table		Result Turnaround: 3-Day OCFs analysis composite 3day	
Quote No. 44021693		all else standard	
EDD Required			
Follow DTSC composite sampling protocol wherever, composites are requested. Hold analysis of 1.5 and 2.5 samples.			

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Asbestos by EPA Method 8270 SIM	OCFs by EPA Method 8081	Asbestos by PLM	Comments
SB09 d 2.5	12/26/18	0920	soil	1				hold/archive
SB72 d 2.5		0922		1				hold/archive
SB10 d 0.5		0930		1	X			
SB11 d 0.5		0935		1	X			
SB10 d 1.5		0955		1	X			
SB11 d 1.5		1000		1	X			
SB10 d 3.5		1005		1	X			hold/archive
SB11 d 2.5		1010		1	X			hold/archive
SB10 d 0.5		1015		1	X			hold/archive
SB12 d 0.5		1020		1	X			hold/archive

Relinquished By: <i>Robert Deamer</i>	Received By: <i>Curly Jones</i>	Date: 12/26/18	Time: 1610
Relinquished By: <i>Curly Jones</i>	Received By: <i>Pat Miller</i>	Date: 12/27/18	Time: 0915

Pat Miller 12/27/18 0949
Curly Jones 12/27/18 0949
 12/27/18 4:45:00 IP 94





WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

4 RD
3.5 Z

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618										
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica										
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, JFaludy@wpinc.com		Sampled By: Robert Deamer										
Additional Instructions: Composite per attached table		Result Turnaround: 3 Day - OCFS analysis composite 3 day										
Quote No. 44021693		all else standard										
Follow DTSC composite sampling protocol wherever composites are requested. Hold analysis of 1.5, 2.5 samples												
Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPS by EPA Method 8081	Asbestos by PLM	Comments
1 SB13d1.5	12/26/18	1025	Soil	1	X	X	X					hold/archive
2 SB12d1.5		1027		1	X	X	X					hold/archive
3 SB13d2.5		1030		1	X	X	X					hold/archive
4 SB12d2.5		1035		1	X	X	X					hold/archive
5 SB14d0.5		1040		1	X	X	X		X			hold/archive
6 SB15d0.5		1042		1	X	X	X		X			hold/archive
7 SB14d1.5		1045		1	X	X	X		X			hold/archive
8 SB15d1.5		1047		1	X	X	X		X			hold/archive
9 SB14d2.5		1050		1	X	X	X		X			hold/archive
10 SB15d2.5		1055		1	X	X	X		X			hold/archive

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 12/26/18	Time: 1610
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 12/27/18	Time: 0915

12/27/18 0949
4.8/5:0 ILL 94



4/4



WAYNE PERRY, INC.
8281 Commonwealth Avenue, Buena Park California 90621
(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer	
Additional Instructions: Quote No. 44021693 EDD Required Follow DTSC composite sampling protocol wherever composites are requested.		Result Turnaround: 3-Day	

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPS by EPA Method 8081	Asbestos by PLM	Comments
1 Duplicate 1	12/26/18	1600	soil	1	X	X						
2 Duplicate 2	12/27/18	1605	soil	1	X	X						
3 Eq Blank	12/27/18	1610	water	1	X	X						
4												
5												
6												
7												
8												
9												
10												

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 12/26/18	Time: 1610
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 12/27/18	Time: 0915

Pete Miller 12/27/18 0949
[Signature] 12/27/18 0949
4.8/5.0 IFL-94





Table 1
Ascot Elementary Sampling Plan

Boring ID	Matrix	Sample Depths	Analysis	Notes
SB64	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	Northwest Parking Lot
SB65	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB66	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
SB67	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
COMP-64, 65, 66, 67	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived
SB68	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PAHs by EPA 8270 SIM	Northwest Parking Lot/Athletic Area
SB69	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B	
SB70	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, CAM by EPA 6010B/7471A	
SB71	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, Asbestos by PLM	
SB72	Soil	0' to 0.5'	Arsenic by EPA 6020, Lead by EPA 6010B, PCBs by EPA 8082	
COMP-68, 69, 70, 71	Soil	0' to 0.5'	OCPs by EPA 8081	Samples for 1'-1.5' and 2'-2.5' shall be archived

Notes:
OCPs
PCBs

organochlorine pesticides
polychlorinated biphenyls

Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-228716-2

Login Number: 228716

List Number: 1

Creator: Soderblom, Tim

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	Splitting Required
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-231172-2

Client Project/Site: LAUSD Soil - Task 3

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 5:33:23 PM

Urvashi Patel, Manager of Project Management

urvashi.patel@testamericainc.com

Designee for

Dennis Tran, Project Manager I

(949)261-1022

dennis.tran@testamericainc.com

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

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

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

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Have a Question?



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www.testamericainc.com



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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-231172-2	SB79d0.5	Solid	01/21/19 08:05	01/22/19 10:32
440-231172-3	SB83d1.5	Solid	01/21/19 08:07	01/22/19 10:32
440-231172-5	SB82d0.5	Solid	01/21/19 08:15	01/22/19 10:32
440-231172-6	SB82d1.5	Solid	01/21/19 08:20	01/22/19 10:32
440-231172-7	SB79d1.5	Solid	01/21/19 08:25	01/22/19 10:32
440-231172-8	SB82d2.5	Solid	01/21/19 08:30	01/22/19 10:32
440-231172-9	SB89d2.5	Solid	01/21/19 08:35	01/22/19 10:32
440-231172-11	SB80d0.5	Solid	01/21/19 08:45	01/22/19 10:32
440-231172-12	SB86d1.5	Solid	01/21/19 08:47	01/22/19 10:32
440-231172-13	SB86d2.5	Solid	01/21/19 08:50	01/22/19 10:32
440-231172-14	SB80d1.5	Solid	01/21/19 08:55	01/22/19 10:32
440-231172-15	SB81d0.5	Solid	01/21/19 09:00	01/22/19 10:32
440-231172-16	SB80d2.5	Solid	01/21/19 09:05	01/22/19 10:32
440-231172-17	SB81d1.5	Solid	01/21/19 09:10	01/22/19 10:32
440-231172-18	SB76d0.5	Solid	01/21/19 09:15	01/22/19 10:32
440-231172-19	SB76ds1.5	Solid	01/21/19 09:20	01/22/19 10:32
440-231172-20	SB81d2.5	Solid	01/21/19 09:25	01/22/19 10:32
440-231172-22	SB75d0.5	Solid	01/21/19 09:35	01/22/19 10:32
440-231172-23	SB77d0.5	Solid	01/21/19 09:40	01/22/19 10:32
440-231172-24	SB75d1.5	Solid	01/21/19 09:45	01/22/19 10:32
440-231172-25	SB77d1.5	Solid	01/21/19 09:50	01/22/19 10:32
440-231172-27	SB75d2.5	Solid	01/21/19 10:05	01/22/19 10:32
440-231172-28	SB78d0.5	Solid	01/21/19 10:10	01/22/19 10:32
440-231172-29	SB87d0.5	Solid	01/21/19 10:15	01/22/19 10:32
440-231172-30	SB78d1.5	Solid	01/21/19 10:17	01/22/19 10:32
440-231172-31	SB78d2.5	Solid	01/21/19 10:20	01/22/19 10:32
440-231172-32	SB87d1.5	Solid	01/21/19 10:30	01/22/19 10:32
440-231172-33	SB88d0.5	Solid	01/21/19 10:35	01/22/19 10:32
440-231172-34	SB87d2.5	Solid	01/21/19 10:40	01/22/19 10:32
440-231172-35	SB88d2.5	Solid	01/21/19 10:45	01/22/19 10:32
440-231172-36	SB89d0.5	Solid	01/21/19 10:50	01/22/19 10:32
440-231172-37	SB89d1.5	Solid	01/21/19 10:55	01/22/19 10:32
440-231172-40	SB92d1.5	Solid	01/21/19 11:10	01/22/19 10:32
440-231172-43	SB91d1.5	Solid	01/21/19 11:20	01/22/19 10:32
440-231172-47	SB104d1.5	Solid	01/21/19 12:17	01/22/19 10:32
440-231172-48	SB90d1.5	Solid	01/21/19 12:20	01/22/19 10:32
440-231172-51	SB74d0.5	Solid	01/21/19 12:35	01/22/19 10:32
440-231172-52	SB73d0.5	Solid	01/21/19 12:40	01/22/19 10:32
440-231172-53	SB74d1.5	Solid	01/21/19 12:45	01/22/19 10:32
440-231172-59	SB93d1.5	Solid	01/21/19 13:20	01/22/19 10:32
440-231172-60	SB94d1.5	Solid	01/21/19 13:25	01/22/19 10:32

TestAmerica Irvine

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Job ID: 440-231172-2

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-231172-1**

Comments

No additional comments.

Receipt

The samples were received on 1/22/2019 10:32 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Lead for preparation batch 440-524123 and analytical batch 440-524393 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The serial dilution performed for the following sample associated with batch 440-524417 was outside control limits for Lead: (440-231172-A-2-A SD ^25)

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

Narrative

**Job Narrative
440-231172-2**

Comments

Revision created to merge files per client request.

Receipt

The samples were received on 1/22/2019 10:32 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Metals

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

Organic Prep

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

Narrative

**Job Narrative
440-231172-3**

Comments

No additional comments.

Receipt

The samples were received on 1/22/2019 10:32 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Metals

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

Organic Prep

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

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Job ID: 440-231172-2 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Narrative

Receipt

The samples were received on 1/22/2019 10:32 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Metals

Method 6010B: The post digestion spike % recovery for Lead associated with batch 440-528892 was outside of control limits.

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

Narrative

Job Narrative
440-231172-5

Comments

No additional comments.

Receipt

The samples were received on 1/22/2019 10:32 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Metals

Method(s) 6010B: The matrix spike (MS) recoveries of Lead for preparation batch 440-531743 and analytical batch 440-532020 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB79d0.5
Date Collected: 01/21/19 08:05
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-2
Matrix: Solid

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	60		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 11:47	5	

Client Sample ID: SB83d1.5
Date Collected: 01/21/19 08:07
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-3
Matrix: Solid

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	120		2.0	0.99	mg/Kg		02/13/19 12:34	02/14/19 19:31	5	

Method: 6010B - Metals (ICP) - STLC Citrate										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	3.8		0.10	0.080	mg/L			02/04/19 12:12	20	

Client Sample ID: SB82d0.5
Date Collected: 01/21/19 08:15
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-5
Matrix: Solid

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	19		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 11:59	5	

Client Sample ID: SB82d1.5
Date Collected: 01/21/19 08:20
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-6
Matrix: Solid

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	390		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 12:01	5	

Method: 6010B - Metals (ICP) - TCLP										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	0.14		0.10	0.040	mg/L		02/04/19 06:49	02/04/19 20:53	1	

Client Sample ID: SB79d1.5
Date Collected: 01/21/19 08:25
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-7
Matrix: Solid

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	140		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:03	5	

Client Sample ID: SB82d2.5
Date Collected: 01/21/19 08:30
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-8
Matrix: Solid

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	84		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 12:17	5	

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB89d2.5

Date Collected: 01/21/19 08:35

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-9

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:19	5

Client Sample ID: SB80d0.5

Date Collected: 01/21/19 08:45

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-11

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	85		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 12:22	5

Client Sample ID: SB86d1.5

Date Collected: 01/21/19 08:47

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-12

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.10	0.080	mg/L			02/04/19 12:24	20

Client Sample ID: SB86d2.5

Date Collected: 01/21/19 08:50

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-13

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	52		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 14:36	5

Client Sample ID: SB80d1.5

Date Collected: 01/21/19 08:55

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-14

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	810		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:24	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.38		0.10	0.040	mg/L		02/04/19 06:49	02/04/19 20:56	1

Client Sample ID: SB81d0.5

Date Collected: 01/21/19 09:00

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-15

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	77		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:26	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB80d2.5

Date Collected: 01/21/19 09:05

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-16

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	63		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:29	5

Client Sample ID: SB81d1.5

Date Collected: 01/21/19 09:10

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-17

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	280		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:31	5

Client Sample ID: SB76d0.5

Date Collected: 01/21/19 09:15

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-18

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	92		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:33	5

Client Sample ID: SB76ds1.5

Date Collected: 01/21/19 09:20

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-19

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	56		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 12:35	5

Client Sample ID: SB81d2.5

Date Collected: 01/21/19 09:25

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.0		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 12:45	5

Client Sample ID: SB75d0.5

Date Collected: 01/21/19 09:35

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-22

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:47	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		0.10	0.080	mg/L			02/04/19 12:35	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB77d0.5

Date Collected: 01/21/19 09:40

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-23

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:49	5

Client Sample ID: SB75d1.5

Date Collected: 01/21/19 09:45

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-24

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:52	5

Client Sample ID: SB77d1.5

Date Collected: 01/21/19 09:50

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-25

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 12:54	5

Client Sample ID: SB75d2.5

Date Collected: 01/21/19 10:05

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-27

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		2.0	1.0	mg/Kg		02/06/19 11:22	02/07/19 18:09	5

Client Sample ID: SB78d0.5

Date Collected: 01/21/19 10:10

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-28

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	34		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:56	5

Client Sample ID: SB87d0.5

Date Collected: 01/21/19 10:15

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-29

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		2.0	1.0	mg/Kg		01/22/19 14:53	01/23/19 12:59	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.10	0.080	mg/L			02/04/19 12:37	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB78d1.5

Date Collected: 01/21/19 10:17

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-30

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160	F1	2.0	0.99	mg/Kg		01/22/19 14:55	01/23/19 11:52	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		0.10	0.080	mg/L			02/04/19 12:40	20

Client Sample ID: SB78d2.5

Date Collected: 01/21/19 10:20

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-31

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		2.0	0.99	mg/Kg		02/06/19 11:22	02/07/19 18:16	5

Client Sample ID: SB87d1.5

Date Collected: 01/21/19 10:30

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-32

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	240		2.0	1.0	mg/Kg		01/22/19 14:55	01/23/19 12:03	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.10	0.080	mg/L			02/04/19 12:42	20

Client Sample ID: SB88d0.5

Date Collected: 01/21/19 10:35

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-33

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	47		2.0	0.99	mg/Kg		01/22/19 14:55	01/23/19 12:05	5

Client Sample ID: SB87d2.5

Date Collected: 01/21/19 10:40

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-34

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.7		2.0	0.99	mg/Kg		02/06/19 11:22	02/07/19 18:19	5

Client Sample ID: SB88d2.5

Date Collected: 01/21/19 10:45

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-35

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		2.0	0.99	mg/Kg		02/06/19 11:22	02/07/19 18:21	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB89d0.5

Lab Sample ID: 440-231172-36

Date Collected: 01/21/19 10:50

Matrix: Solid

Date Received: 01/22/19 10:32

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		2.0	0.99	mg/Kg		01/22/19 14:55	01/23/19 12:08	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		0.10	0.080	mg/L			02/04/19 12:45	20

Client Sample ID: SB89d1.5

Lab Sample ID: 440-231172-37

Date Collected: 01/21/19 10:55

Matrix: Solid

Date Received: 01/22/19 10:32

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	37		2.0	1.0	mg/Kg		01/22/19 14:55	01/23/19 12:15	5

Client Sample ID: SB92d1.5

Lab Sample ID: 440-231172-40

Date Collected: 01/21/19 11:10

Matrix: Solid

Date Received: 01/22/19 10:32

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.10	0.080	mg/L			02/04/19 11:41	20

Client Sample ID: SB91d1.5

Lab Sample ID: 440-231172-43

Date Collected: 01/21/19 11:20

Matrix: Solid

Date Received: 01/22/19 10:32

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.10	0.080	mg/L			02/04/19 12:47	20

Client Sample ID: SB104d1.5

Lab Sample ID: 440-231172-47

Date Collected: 01/21/19 12:17

Matrix: Solid

Date Received: 01/22/19 10:32

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6		2.0	1.0	mg/Kg		02/14/19 10:06	02/15/19 14:32	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.18		0.10	0.080	mg/L			02/04/19 12:50	20

Client Sample ID: SB90d1.5

Lab Sample ID: 440-231172-48

Date Collected: 01/21/19 12:20

Matrix: Solid

Date Received: 01/22/19 10:32

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	35		2.0	1.0	mg/Kg		02/13/19 12:34	02/14/19 19:42	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB90d1.5

Date Collected: 01/21/19 12:20

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-48

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.10	0.080	mg/L			02/04/19 12:52	20

Client Sample ID: SB74d0.5

Date Collected: 01/21/19 12:35

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-51

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		2.0	0.99	mg/Kg		01/22/19 14:55	01/23/19 12:17	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.10	0.080	mg/L			02/04/19 12:55	20

Client Sample ID: SB73d0.5

Date Collected: 01/21/19 12:40

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-52

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	55		2.0	1.0	mg/Kg		01/22/19 14:55	01/23/19 12:19	5

Client Sample ID: SB74d1.5

Date Collected: 01/21/19 12:45

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-53

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.10	0.080	mg/L			02/04/19 12:22	20

Client Sample ID: SB93d1.5

Date Collected: 01/21/19 13:20

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-59

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.7		0.10	0.080	mg/L			02/04/19 12:27	20

Client Sample ID: SB94d1.5

Date Collected: 01/21/19 13:25

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-60

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	49		2.0	1.0	mg/Kg		02/13/19 12:34	02/14/19 19:44	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.1		0.10	0.080	mg/L			02/04/19 11:52	20

TestAmerica Irvine

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV
1311	TCLP Extraction	SW846	TAL IRV
3010A	Preparation, Total Metals	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	TAL IRV

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB79d0.5
Date Collected: 01/21/19 08:05
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 11:47	VS	TAL IRV

Client Sample ID: SB83d1.5
Date Collected: 01/21/19 08:07
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.01 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:12	TQN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	528412	02/13/19 12:34	DT	TAL IRV
Total/NA	Analysis	6010B		5			528892	02/14/19 19:31	P1R	TAL IRV

Client Sample ID: SB82d0.5
Date Collected: 01/21/19 08:15
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 11:59	VS	TAL IRV

Client Sample ID: SB82d1.5
Date Collected: 01/21/19 08:20
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			99.95 g	2000 mL	526430	02/02/19 10:00	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	526535	02/04/19 06:49	CDH	TAL IRV
TCLP	Analysis	6010B		1			526758	02/04/19 20:53	TQN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:01	VS	TAL IRV

Client Sample ID: SB79d1.5
Date Collected: 01/21/19 08:25
Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:03	VS	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB82d2.5

Lab Sample ID: 440-231172-8

Date Collected: 01/21/19 08:30

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:17	VS	TAL IRV

Client Sample ID: SB89d2.5

Lab Sample ID: 440-231172-9

Date Collected: 01/21/19 08:35

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:19	VS	TAL IRV

Client Sample ID: SB80d0.5

Lab Sample ID: 440-231172-11

Date Collected: 01/21/19 08:45

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:22	VS	TAL IRV

Client Sample ID: SB86d1.5

Lab Sample ID: 440-231172-12

Date Collected: 01/21/19 08:47

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:24	TQN	TAL IRV

Client Sample ID: SB86d2.5

Lab Sample ID: 440-231172-13

Date Collected: 01/21/19 08:50

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:36	P1R	TAL IRV

Client Sample ID: SB80d1.5

Lab Sample ID: 440-231172-14

Date Collected: 01/21/19 08:55

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			99.94 g	2000 mL	526430	02/02/19 10:00	CDH	TAL IRV
TCLP	Prep	3010A			5 mL	50 mL	526535	02/04/19 06:49	CDH	TAL IRV
TCLP	Analysis	6010B		1			526758	02/04/19 20:56	TQN	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB80d1.5

Lab Sample ID: 440-231172-14

Date Collected: 01/21/19 08:55

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:24	VS	TAL IRV

Client Sample ID: SB81d0.5

Lab Sample ID: 440-231172-15

Date Collected: 01/21/19 09:00

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:26	VS	TAL IRV

Client Sample ID: SB80d2.5

Lab Sample ID: 440-231172-16

Date Collected: 01/21/19 09:05

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:29	VS	TAL IRV

Client Sample ID: SB81d1.5

Lab Sample ID: 440-231172-17

Date Collected: 01/21/19 09:10

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:31	VS	TAL IRV

Client Sample ID: SB76d0.5

Lab Sample ID: 440-231172-18

Date Collected: 01/21/19 09:15

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:33	VS	TAL IRV

Client Sample ID: SB76ds1.5

Lab Sample ID: 440-231172-19

Date Collected: 01/21/19 09:20

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:35	VS	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB81d2.5

Lab Sample ID: 440-231172-20

Date Collected: 01/21/19 09:25

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:45	VS	TAL IRV

Client Sample ID: SB75d0.5

Lab Sample ID: 440-231172-22

Date Collected: 01/21/19 09:35

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:35	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:47	VS	TAL IRV

Client Sample ID: SB77d0.5

Lab Sample ID: 440-231172-23

Date Collected: 01/21/19 09:40

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:49	VS	TAL IRV

Client Sample ID: SB75d1.5

Lab Sample ID: 440-231172-24

Date Collected: 01/21/19 09:45

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:52	VS	TAL IRV

Client Sample ID: SB77d1.5

Lab Sample ID: 440-231172-25

Date Collected: 01/21/19 09:50

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:54	VS	TAL IRV

Client Sample ID: SB75d2.5

Lab Sample ID: 440-231172-27

Date Collected: 01/21/19 10:05

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	527069	02/06/19 11:22	ST	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB75d2.5

Lab Sample ID: 440-231172-27

Date Collected: 01/21/19 10:05

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		5			527481	02/07/19 18:09	P1R	TAL IRV

Client Sample ID: SB78d0.5

Lab Sample ID: 440-231172-28

Date Collected: 01/21/19 10:10

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:56	VS	TAL IRV

Client Sample ID: SB87d0.5

Lab Sample ID: 440-231172-29

Date Collected: 01/21/19 10:15

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:37	TQN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	524122	01/22/19 14:53	DT	TAL IRV
Total/NA	Analysis	6010B		5			524417	01/23/19 12:59	VS	TAL IRV

Client Sample ID: SB78d1.5

Lab Sample ID: 440-231172-30

Date Collected: 01/21/19 10:17

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:40	TQN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 11:52	VS	TAL IRV

Client Sample ID: SB78d2.5

Lab Sample ID: 440-231172-31

Date Collected: 01/21/19 10:20

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	527069	02/06/19 11:22	ST	TAL IRV
Total/NA	Analysis	6010B		5			527481	02/07/19 18:16	P1R	TAL IRV

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB87d1.5

Lab Sample ID: 440-231172-32

Date Collected: 01/21/19 10:30

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.06 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:42	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 12:03	VS	TAL IRV

Client Sample ID: SB88d0.5

Lab Sample ID: 440-231172-33

Date Collected: 01/21/19 10:35

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 12:05	VS	TAL IRV

Client Sample ID: SB87d2.5

Lab Sample ID: 440-231172-34

Date Collected: 01/21/19 10:40

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	527069	02/06/19 11:22	ST	TAL IRV
Total/NA	Analysis	6010B		5			527481	02/07/19 18:19	P1R	TAL IRV

Client Sample ID: SB88d2.5

Lab Sample ID: 440-231172-35

Date Collected: 01/21/19 10:45

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	527069	02/06/19 11:22	ST	TAL IRV
Total/NA	Analysis	6010B		5			527481	02/07/19 18:21	P1R	TAL IRV

Client Sample ID: SB89d0.5

Lab Sample ID: 440-231172-36

Date Collected: 01/21/19 10:50

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:45	TQN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 12:08	VS	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB89d1.5

Lab Sample ID: 440-231172-37

Date Collected: 01/21/19 10:55

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 12:15	VS	TAL IRV

Client Sample ID: SB92d1.5

Lab Sample ID: 440-231172-40

Date Collected: 01/21/19 11:10

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	526439	02/02/19 00:39	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 11:41	TQN	TAL IRV

Client Sample ID: SB91d1.5

Lab Sample ID: 440-231172-43

Date Collected: 01/21/19 11:20

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:47	TQN	TAL IRV

Client Sample ID: SB104d1.5

Lab Sample ID: 440-231172-47

Date Collected: 01/21/19 12:17

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:50	TQN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	528707	02/14/19 10:06	DT	TAL IRV
Total/NA	Analysis	6010B		5			529068	02/15/19 14:32	TQN	TAL IRV

Client Sample ID: SB90d1.5

Lab Sample ID: 440-231172-48

Date Collected: 01/21/19 12:20

Matrix: Solid

Date Received: 01/22/19 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:52	TQN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	528412	02/13/19 12:34	DT	TAL IRV
Total/NA	Analysis	6010B		5			528892	02/14/19 19:42	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Client Sample ID: SB74d0.5

Date Collected: 01/21/19 12:35

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:55	TQN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 12:17	VS	TAL IRV

Client Sample ID: SB73d0.5

Date Collected: 01/21/19 12:40

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	524123	01/22/19 14:55	DT	TAL IRV
Total/NA	Analysis	6010B		5			524393	01/23/19 12:19	VS	TAL IRV

Client Sample ID: SB74d1.5

Date Collected: 01/21/19 12:45

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:22	TQN	TAL IRV

Client Sample ID: SB93d1.5

Date Collected: 01/21/19 13:20

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	526438	02/02/19 00:28	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 12:27	TQN	TAL IRV

Client Sample ID: SB94d1.5

Date Collected: 01/21/19 13:25

Date Received: 01/22/19 10:32

Lab Sample ID: 440-231172-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.08 g	500 mL	526439	02/02/19 00:39	CDH	TAL IRV
STLC Citrate	Analysis	6010B		20			526659	02/04/19 11:52	TQN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	528412	02/13/19 12:34	DT	TAL IRV
Total/NA	Analysis	6010B		5			528892	02/14/19 19:44	P1R	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-524122/1-A ^5
Matrix: Solid
Analysis Batch: 524417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		01/22/19 14:53	01/23/19 11:43	5

Lab Sample ID: LCS 440-524122/2-A ^5
Matrix: Solid
Analysis Batch: 524417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.5	47.8		mg/Kg		97	80 - 120

Lab Sample ID: 440-231172-2 MS
Matrix: Solid
Analysis Batch: 524417

Client Sample ID: SB79d0.5
Prep Type: Total/NA
Prep Batch: 524122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	60		49.5	108		mg/Kg		98	75 - 125

Lab Sample ID: 440-231172-2 MSD
Matrix: Solid
Analysis Batch: 524417

Client Sample ID: SB79d0.5
Prep Type: Total/NA
Prep Batch: 524122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	60		49.3	101		mg/Kg		83	75 - 125	7	20

Lab Sample ID: MB 440-524123/1-A ^5
Matrix: Solid
Analysis Batch: 524393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		01/22/19 14:55	01/23/19 11:47	5

Lab Sample ID: LCS 440-524123/2-A ^5
Matrix: Solid
Analysis Batch: 524393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	48.7		mg/Kg		98	80 - 120

Lab Sample ID: 440-231172-30 MS
Matrix: Solid
Analysis Batch: 524393

Client Sample ID: SB78d1.5
Prep Type: Total/NA
Prep Batch: 524123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	160	F1	50.0	203		mg/Kg		93	75 - 125

Lab Sample ID: 440-231172-30 MSD
Matrix: Solid
Analysis Batch: 524393

Client Sample ID: SB78d1.5
Prep Type: Total/NA
Prep Batch: 524123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	160	F1	49.8	181	F1	mg/Kg		48	75 - 125	12	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Lab Sample ID: MB 440-527069/1-A ^5
Matrix: Solid
Analysis Batch: 527481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		02/06/19 11:22	02/07/19 17:15	5

Lab Sample ID: LCS 440-527069/2-A ^5
Matrix: Solid
Analysis Batch: 527481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.0	46.8		mg/Kg		95	80 - 120

Lab Sample ID: 440-231909-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 527481

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 527069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	4.4		49.0	49.4		mg/Kg		92	75 - 125

Lab Sample ID: 440-231909-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 527481

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 527069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	4.4		49.0	48.1		mg/Kg		89	75 - 125	3	20

Lab Sample ID: MB 440-528412/1-A ^5
Matrix: Solid
Analysis Batch: 528892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		02/13/19 08:32	02/14/19 18:44	5

Lab Sample ID: LCS 440-528412/2-A ^5
Matrix: Solid
Analysis Batch: 528892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	45.0		mg/Kg		90	80 - 120

Lab Sample ID: 440-232806-A-9-B MS ^5
Matrix: Solid
Analysis Batch: 528892

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 528412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	55		50.0	97.5		mg/Kg		85	75 - 125

Lab Sample ID: 440-232806-A-9-C MSD ^5
Matrix: Solid
Analysis Batch: 528892

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 528412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	55		50.0	107		mg/Kg		104	75 - 125	9	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

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

Lab Sample ID: MB 440-528707/1-A ^5
Matrix: Solid
Analysis Batch: 529068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528707

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	1.0	mg/Kg		02/14/19 10:06	02/15/19 14:01	5

Lab Sample ID: LCS 440-528707/2-A ^5
Matrix: Solid
Analysis Batch: 529068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528707

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	24.9	21.3		mg/Kg		86	80 - 120

Lab Sample ID: 440-232547-A-1-K MS ^5
Matrix: Solid
Analysis Batch: 529068

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 528707

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	5.7		25.0	28.1		mg/Kg		90	75 - 125

Lab Sample ID: 440-232547-A-1-L MSD ^5
Matrix: Solid
Analysis Batch: 529068

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 528707

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	5.7		25.0	28.2		mg/Kg		90	75 - 125	0	20

Lab Sample ID: MB 440-531743/1-A ^5
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 13:30	5

Lab Sample ID: LCS 440-531743/2-A ^5
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	49.0		mg/Kg		99	80 - 120

Lab Sample ID: 440-234051-A-3-B MS ^5
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 531743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	38	F1	49.5	107	F1	mg/Kg		139	75 - 125

Lab Sample ID: 440-234051-A-3-C MSD ^5
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 531743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	38	F1	49.5	98.2		mg/Kg		122	75 - 125	8	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Lab Sample ID: MB 440-526430/1-B
Matrix: Solid
Analysis Batch: 526758

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 526535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.040	mg/L		02/04/19 06:49	02/04/19 20:25	1

Lab Sample ID: LCS 440-526430/2-B
Matrix: Solid
Analysis Batch: 526758

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 526535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	2.00	1.93		mg/L		96	80 - 120

Lab Sample ID: 440-228234-E-1-K MS
Matrix: Solid
Analysis Batch: 526758

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 526535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		2.00	1.89		mg/L		95	75 - 125

Lab Sample ID: 440-228234-E-1-L MSD
Matrix: Solid
Analysis Batch: 526758

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 526535

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		2.00	1.92		mg/L		96	75 - 125	1	20

Lab Sample ID: MB 440-526438/1-A ^20
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			02/04/19 12:07	20

Lab Sample ID: MB 440-526439/1-A ^20
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			02/04/19 11:36	20

Lab Sample ID: LCS 440-526438/2-A ^20
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	20.0	20.6		mg/L		103	80 - 120

Lab Sample ID: LCS 440-526439/2-A ^20
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	20.0	20.1		mg/L		101	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

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

Lab Sample ID: 440-231172-3 MS
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: SB83d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3.8		20.0	24.1		mg/L		102	75 - 125

Lab Sample ID: 440-231172-3 MSD
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: SB83d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.8		20.0	24.4		mg/L		103	75 - 125	1	20

Lab Sample ID: 440-231172-40 MS
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: SB92d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	14		20.0	33.9		mg/L		102	75 - 125

Lab Sample ID: 440-231172-40 MSD
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: SB92d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	14		20.0	34.5		mg/L		105	75 - 125	2	20

Lab Sample ID: 440-231172-A-3-A MS ^20
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3.8		20.0	24.1		mg/L		102	75 - 125

Lab Sample ID: 440-231172-A-3-A MSD ^20
Matrix: Solid
Analysis Batch: 526659

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.8		20.0	24.4		mg/L		103	75 - 125	1	20

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Metals

Prep Batch: 524122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-2	SB79d0.5	Total/NA	Solid	3050B	
440-231172-5	SB82d0.5	Total/NA	Solid	3050B	
440-231172-6	SB82d1.5	Total/NA	Solid	3050B	
440-231172-7	SB79d1.5	Total/NA	Solid	3050B	
440-231172-8	SB82d2.5	Total/NA	Solid	3050B	
440-231172-9	SB89d2.5	Total/NA	Solid	3050B	
440-231172-11	SB80d0.5	Total/NA	Solid	3050B	
440-231172-14	SB80d1.5	Total/NA	Solid	3050B	
440-231172-15	SB81d0.5	Total/NA	Solid	3050B	
440-231172-16	SB80d2.5	Total/NA	Solid	3050B	
440-231172-17	SB81d1.5	Total/NA	Solid	3050B	
440-231172-18	SB76d0.5	Total/NA	Solid	3050B	
440-231172-19	SB76ds1.5	Total/NA	Solid	3050B	
440-231172-20	SB81d2.5	Total/NA	Solid	3050B	
440-231172-22	SB75d0.5	Total/NA	Solid	3050B	
440-231172-23	SB77d0.5	Total/NA	Solid	3050B	
440-231172-24	SB75d1.5	Total/NA	Solid	3050B	
440-231172-25	SB77d1.5	Total/NA	Solid	3050B	
440-231172-28	SB78d0.5	Total/NA	Solid	3050B	
440-231172-29	SB87d0.5	Total/NA	Solid	3050B	
MB 440-524122/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-524122/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-231172-2 MS	SB79d0.5	Total/NA	Solid	3050B	
440-231172-2 MSD	SB79d0.5	Total/NA	Solid	3050B	

Prep Batch: 524123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-30	SB78d1.5	Total/NA	Solid	3050B	
440-231172-32	SB87d1.5	Total/NA	Solid	3050B	
440-231172-33	SB88d0.5	Total/NA	Solid	3050B	
440-231172-36	SB89d0.5	Total/NA	Solid	3050B	
440-231172-37	SB89d1.5	Total/NA	Solid	3050B	
440-231172-51	SB74d0.5	Total/NA	Solid	3050B	
440-231172-52	SB73d0.5	Total/NA	Solid	3050B	
MB 440-524123/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-524123/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-231172-30 MS	SB78d1.5	Total/NA	Solid	3050B	
440-231172-30 MSD	SB78d1.5	Total/NA	Solid	3050B	

Analysis Batch: 524393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-30	SB78d1.5	Total/NA	Solid	6010B	524123
440-231172-32	SB87d1.5	Total/NA	Solid	6010B	524123
440-231172-33	SB88d0.5	Total/NA	Solid	6010B	524123
440-231172-36	SB89d0.5	Total/NA	Solid	6010B	524123
440-231172-37	SB89d1.5	Total/NA	Solid	6010B	524123
440-231172-51	SB74d0.5	Total/NA	Solid	6010B	524123
440-231172-52	SB73d0.5	Total/NA	Solid	6010B	524123
MB 440-524123/1-A ^5	Method Blank	Total/NA	Solid	6010B	524123
LCS 440-524123/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	524123
440-231172-30 MS	SB78d1.5	Total/NA	Solid	6010B	524123

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Metals (Continued)

Analysis Batch: 524393 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-30 MSD	SB78d1.5	Total/NA	Solid	6010B	524123

Analysis Batch: 524417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-2	SB79d0.5	Total/NA	Solid	6010B	524122
440-231172-5	SB82d0.5	Total/NA	Solid	6010B	524122
440-231172-6	SB82d1.5	Total/NA	Solid	6010B	524122
440-231172-7	SB79d1.5	Total/NA	Solid	6010B	524122
440-231172-8	SB82d2.5	Total/NA	Solid	6010B	524122
440-231172-9	SB89d2.5	Total/NA	Solid	6010B	524122
440-231172-11	SB80d0.5	Total/NA	Solid	6010B	524122
440-231172-14	SB80d1.5	Total/NA	Solid	6010B	524122
440-231172-15	SB81d0.5	Total/NA	Solid	6010B	524122
440-231172-16	SB80d2.5	Total/NA	Solid	6010B	524122
440-231172-17	SB81d1.5	Total/NA	Solid	6010B	524122
440-231172-18	SB76d0.5	Total/NA	Solid	6010B	524122
440-231172-19	SB76ds1.5	Total/NA	Solid	6010B	524122
440-231172-20	SB81d2.5	Total/NA	Solid	6010B	524122
440-231172-22	SB75d0.5	Total/NA	Solid	6010B	524122
440-231172-23	SB77d0.5	Total/NA	Solid	6010B	524122
440-231172-24	SB75d1.5	Total/NA	Solid	6010B	524122
440-231172-25	SB77d1.5	Total/NA	Solid	6010B	524122
440-231172-28	SB78d0.5	Total/NA	Solid	6010B	524122
440-231172-29	SB87d0.5	Total/NA	Solid	6010B	524122
MB 440-524122/1-A ^5	Method Blank	Total/NA	Solid	6010B	524122
LCS 440-524122/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	524122
440-231172-2 MS	SB79d0.5	Total/NA	Solid	6010B	524122
440-231172-2 MSD	SB79d0.5	Total/NA	Solid	6010B	524122

Leach Batch: 526430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-6	SB82d1.5	TCLP	Solid	1311	
440-231172-14	SB80d1.5	TCLP	Solid	1311	
MB 440-526430/1-B	Method Blank	TCLP	Solid	1311	
LCS 440-526430/2-B	Lab Control Sample	TCLP	Solid	1311	
440-228234-E-1-K MS	Matrix Spike	TCLP	Solid	1311	
440-228234-E-1-L MSD	Matrix Spike Duplicate	TCLP	Solid	1311	

Leach Batch: 526438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-3	SB83d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-12	SB86d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-22	SB75d0.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-29	SB87d0.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-30	SB78d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-32	SB87d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-36	SB89d0.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-43	SB91d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-47	SB104d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-48	SB90d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-51	SB74d0.5	STLC Citrate	Solid	CA WET Citrate	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Metals (Continued)

Leach Batch: 526438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-53	SB74d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-59	SB93d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-526438/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-526438/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-231172-3 MS	SB83d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-3 MSD	SB83d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-A-3-A MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-231172-A-3-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 526439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-40	SB92d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-60	SB94d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-526439/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-526439/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-231172-40 MS	SB92d1.5	STLC Citrate	Solid	CA WET Citrate	
440-231172-40 MSD	SB92d1.5	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 526535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-6	SB82d1.5	TCLP	Solid	3010A	526430
440-231172-14	SB80d1.5	TCLP	Solid	3010A	526430
MB 440-526430/1-B	Method Blank	TCLP	Solid	3010A	526430
LCS 440-526430/2-B	Lab Control Sample	TCLP	Solid	3010A	526430
440-228234-E-1-K MS	Matrix Spike	TCLP	Solid	3010A	526430
440-228234-E-1-L MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	526430

Analysis Batch: 526659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-3	SB83d1.5	STLC Citrate	Solid	6010B	526438
440-231172-12	SB86d1.5	STLC Citrate	Solid	6010B	526438
440-231172-22	SB75d0.5	STLC Citrate	Solid	6010B	526438
440-231172-29	SB87d0.5	STLC Citrate	Solid	6010B	526438
440-231172-30	SB78d1.5	STLC Citrate	Solid	6010B	526438
440-231172-32	SB87d1.5	STLC Citrate	Solid	6010B	526438
440-231172-36	SB89d0.5	STLC Citrate	Solid	6010B	526438
440-231172-40	SB92d1.5	STLC Citrate	Solid	6010B	526439
440-231172-43	SB91d1.5	STLC Citrate	Solid	6010B	526438
440-231172-47	SB104d1.5	STLC Citrate	Solid	6010B	526438
440-231172-48	SB90d1.5	STLC Citrate	Solid	6010B	526438
440-231172-51	SB74d0.5	STLC Citrate	Solid	6010B	526438
440-231172-53	SB74d1.5	STLC Citrate	Solid	6010B	526438
440-231172-59	SB93d1.5	STLC Citrate	Solid	6010B	526438
440-231172-60	SB94d1.5	STLC Citrate	Solid	6010B	526439
MB 440-526438/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	526438
MB 440-526439/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	526439
LCS 440-526438/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	526438
LCS 440-526439/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	526439
440-231172-3 MS	SB83d1.5	STLC Citrate	Solid	6010B	526438
440-231172-3 MSD	SB83d1.5	STLC Citrate	Solid	6010B	526438
440-231172-40 MS	SB92d1.5	STLC Citrate	Solid	6010B	526439

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Metals (Continued)

Analysis Batch: 526659 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-40 MSD	SB92d1.5	STLC Citrate	Solid	6010B	526439
440-231172-A-3-A MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	526438
440-231172-A-3-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	526438

Analysis Batch: 526758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-6	SB82d1.5	TCLP	Solid	6010B	526535
440-231172-14	SB80d1.5	TCLP	Solid	6010B	526535
MB 440-526430/1-B	Method Blank	TCLP	Solid	6010B	526535
LCS 440-526430/2-B	Lab Control Sample	TCLP	Solid	6010B	526535
440-228234-E-1-K MS	Matrix Spike	TCLP	Solid	6010B	526535
440-228234-E-1-L MSD	Matrix Spike Duplicate	TCLP	Solid	6010B	526535

Prep Batch: 527069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-27	SB75d2.5	Total/NA	Solid	3050B	
440-231172-31	SB78d2.5	Total/NA	Solid	3050B	
440-231172-34	SB87d2.5	Total/NA	Solid	3050B	
440-231172-35	SB88d2.5	Total/NA	Solid	3050B	
MB 440-527069/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-527069/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-231909-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-231909-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 527481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-27	SB75d2.5	Total/NA	Solid	6010B	527069
440-231172-31	SB78d2.5	Total/NA	Solid	6010B	527069
440-231172-34	SB87d2.5	Total/NA	Solid	6010B	527069
440-231172-35	SB88d2.5	Total/NA	Solid	6010B	527069
MB 440-527069/1-A ^5	Method Blank	Total/NA	Solid	6010B	527069
LCS 440-527069/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	527069
440-231909-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	527069
440-231909-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	527069

Prep Batch: 528412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-3	SB83d1.5	Total/NA	Solid	3050B	
440-231172-48	SB90d1.5	Total/NA	Solid	3050B	
440-231172-60	SB94d1.5	Total/NA	Solid	3050B	
MB 440-528412/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-528412/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-232806-A-9-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-232806-A-9-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 528707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-47	SB104d1.5	Total/NA	Solid	3050B	
MB 440-528707/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-528707/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-232547-A-1-K MS ^5	Matrix Spike	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Metals (Continued)

Prep Batch: 528707 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-232547-A-1-L MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 528892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-3	SB83d1.5	Total/NA	Solid	6010B	528412
440-231172-48	SB90d1.5	Total/NA	Solid	6010B	528412
440-231172-60	SB94d1.5	Total/NA	Solid	6010B	528412
MB 440-528412/1-A ^5	Method Blank	Total/NA	Solid	6010B	528412
LCS 440-528412/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	528412
440-232806-A-9-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	528412
440-232806-A-9-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	528412

Analysis Batch: 529068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-47	SB104d1.5	Total/NA	Solid	6010B	528707
MB 440-528707/1-A ^5	Method Blank	Total/NA	Solid	6010B	528707
LCS 440-528707/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	528707
440-232547-A-1-K MS ^5	Matrix Spike	Total/NA	Solid	6010B	528707
440-232547-A-1-L MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	528707

Prep Batch: 531743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-13	SB86d2.5	Total/NA	Solid	3050B	
MB 440-531743/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-531743/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-234051-A-3-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-234051-A-3-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 532020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-231172-13	SB86d2.5	Total/NA	Solid	6010B	531743
MB 440-531743/1-A ^5	Method Blank	Total/NA	Solid	6010B	531743
LCS 440-531743/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	531743
440-234051-A-3-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	531743
440-234051-A-3-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	531743

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-231172-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

2 of 6



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

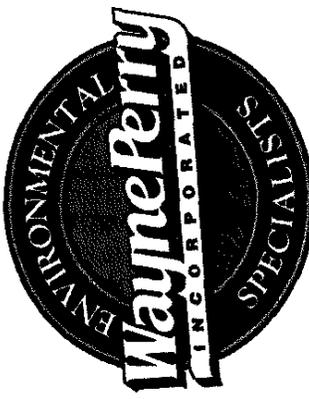
Client: Ascot Avenue Elementary School	WPI Job Number: 180618
Site Address: 1447 East 45 th Street, Los Angeles, CA	Laboratory: TestAmerica
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com	Sampled By: Robert Deamer
	Result Turnaround: 3 Day 24 HR TAT

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	* Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
1 SB80d0.5	1/21/19	0845	Soil	1		X						
2 SB86d1.5		0847										Archive
3 SB86d2.5		0850										Archive
4 SB80d1.5		0855				X						
5 SB81d0.5		0900				X						
6 SB80d2.5		0905				X						
7 SB81d1.5		0910				X						
8 SB76d0.5		0915				X						
9 SB76d1.5		0920				X						
10 SB81d2.5		0925				X						

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 1/22/19	Time: 0845
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 1/22/19	Time: 0902
Will Rivera	<i>[Signature]</i>	1/22/19	1032



3 off



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CHAIN OF CUSTODY RECORD

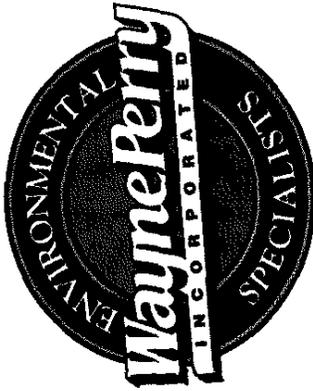
Client: Ascot Avenue Elementary School	WPI Job Number: 180618
Site Address: 1447 East 45 th Street, Los Angeles, CA	Laboratory: TestAmerica
WPI Contact: RDeamer@wpinc.com, JIjacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com	Sampled By: Robert Deamer
	Result Turnaround: 3-5 Day <i>or 24-HR TAT</i>

Sample Name	Quote No. 44021693 EDD Required Follow DTSC composite sampling protocol wherever composites are requested.	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	* Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
1 SB76d2.5		1/21/19	0930	Soil	1		X						ARCHIVE
2 SB75d0.5		1/21/19	0935				X						
3 SB77d0.5		1/21/19	0940				X						
4 SB75d1.5		1/21/19	0945				X						
5 SB77d1.5		1/21/19	0950				X						
6 SB77d2.5		1/21/19	1000				X						ARCHIVE
7 SB75d2.5		1/21/19	1005				X						ARCHIVE
8 SB78d0.5		1/21/19	1010				X						
9 SB87d0.5		1/21/19	1015				X						
10 SB78d1.5		1/21/19	1017				X						

Relinquished By: <i>[Signature]</i>	Date: 1/21/19	Time: 0845
Relinquished By: <i>[Signature]</i>	Date: 1/22/19	Time: 0902
Relinquished By: <i>Will Reiva</i>	Date: 1/22/19	Time: 1032



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WAYNE PERRY, INC.
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 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer	
		Result Turnaround: 3-5 Day 24 HR TMT	

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	* Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/741A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
1 SB78d2.5	1/21/19	1020	Soil	1								ARCHIVE
2 SB87d1.5		1030				X						ARCHIVE
3 SB88d0.5		1035				X						ARCHIVE
4 SB87d2.5		1040										ARCHIVE
5 SB88d2.5		1045				X						ARCHIVE
6 SB89d0.5		1050				X						ARCHIVE
7 SB89d1.5		1055										ARCHIVE
8 SB91d0.5		1100										ARCHIVE
9 SB89d2.5		1105										ARCHIVE
10 SB92d1.5		1110										ARCHIVE

Relinquished By: <i>[Signature]</i>	Date: 1/24/19	Time: 0845
Relinquished By: <i>[Signature]</i>	Date: 1/22/19	Time: 0902
Relinquished By: <i>Willi Rivera</i>	Date: 1/22/19	Time: 1032



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WAYNE PERRY, INC.
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 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer	
		Result Turnaround: 3-5 Day 24 HR TAT	

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	* Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPS by EPA Method 8081	Asbestos by PLM	Comments
1 SB91d0.5	1/21/19	1115	Soil	1								Archive
2 SB92d2.5		1117										Archive
3 SB91d1.5		1120										Archive
4 SB91d2.5		1125										Archive
5 SB90d0.5		1210										Archive
6 SB104d0.5		1215										Archive
7 SB104d1.5		1217										Archive
8 SB90d1.5		1220										Archive
9 SB90d2.5		1225										Archive
10 SB104d2.5		1230										Archive

Relinquished By: <i>[Signature]</i>	Date: 1/21/19	Time: 0845
Relinquished By: <i>Will Rivera</i>	Date: 1/22/19	Time: 0902
<i>Will Rivera</i>	1/22/19	1032



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(714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: RDeamer@wpinc.com, JIacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com		Sampled By: Robert Deamer	
		Result Turnaround: 3 Day <i>24 Hrs</i>	

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	*Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
1 SB74d0.5	12/21/19	1235	Top 11	1	X							
2 SB73d0.5		1240			X							Positive
3 SB74d1.5		1245										Positive
4 SB73d1.5		1250										Positive
5 SB74d2.5		1255										Positive
6 SB73d2.5		1300										Positive
7 SB94d0.5		1310										Positive
8 SB93d0.5		1315										Positive
9 SB93d1.5		1320										Positive
10 SB94d1.5		1325										Positive

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 1/21/19	Time: 0645
Relinquished By: <i>Will Rivero</i>	Received By: <i>Will Rivero</i>	Date: 1/22/19	Time: 0902
<i>Will Rivero</i>	<i>[Signature]</i>	1/22/19	1032



Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-231172-2

Login Number: 231172

List Number: 1

Creator: Bonta, Lucia F

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-234051-1

Client Project/Site: LAUSD Soil - Task 3

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 4:17:01 PM

Urvashi Patel, Manager of Project Management

urvashi.patel@testamericainc.com

Designee for

Dennis Tran, Project Manager I

(949)261-1022

dennis.tran@testamericainc.com

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

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

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

LINKS

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results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com



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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-234051-2	SB84d1.5	Solid	02/18/19 07:50	02/19/19 15:10
440-234051-3	SB84d2.5	Solid	02/18/19 07:51	02/19/19 15:10
440-234051-5	SB85d1.5	Solid	02/18/19 08:03	02/19/19 15:10
440-234051-6	SB85d2.5	Solid	02/18/19 08:08	02/19/19 15:10
440-234051-10	SB99d0.5	Solid	02/18/19 08:30	02/19/19 15:10
440-234051-11	SB99d1.5	Solid	02/18/19 08:33	02/19/19 15:10
440-234051-13	SB96d0.5	Solid	02/18/19 08:43	02/19/19 15:10
440-234051-14	SB96d1.5	Solid	02/18/19 08:46	02/19/19 15:10
440-234051-20	SB102d1.5	Solid	02/18/19 09:16	02/19/19 15:10
440-234051-21	SB102d2.5	Solid	02/18/19 09:27	02/19/19 15:10
440-234051-22	SB98d0.5	Solid	02/18/19 09:30	02/19/19 15:10
440-234051-23	SB98d1.5	Solid	02/18/19 09:35	02/19/19 15:10
440-234051-24	SB98d2.5	Solid	02/18/19 09:42	02/19/19 15:10
440-234051-25	SB97d0.5	Solid	02/18/19 09:45	02/19/19 15:10
440-234051-26	SB97d1.5	Solid	02/18/19 09:48	02/19/19 15:10
440-234051-32	SB110d1.5	Solid	02/18/19 10:15	02/19/19 15:10
440-234051-34	SB95d2.5	Solid	02/18/19 10:30	02/19/19 15:10
440-234051-35	SB95d3	Solid	02/18/19 10:34	02/19/19 15:10
440-234051-39	SB111d1.5	Solid	02/18/19 10:49	02/19/19 15:10
440-234051-42	SB108d1.5	Solid	02/18/19 11:03	02/19/19 15:10
440-234051-43	SB108d2.5	Solid	02/18/19 11:05	02/19/19 15:10
440-234051-45	SB105d1.5	Solid	02/18/19 11:15	02/19/19 15:10
440-234051-46	SB105d2.5	Solid	02/18/19 11:17	02/19/19 15:10
440-234051-48	SB109d1.5	Solid	02/18/19 11:24	02/19/19 15:10
440-234051-49	SB109d2.5	Solid	02/18/19 11:26	02/19/19 15:10
440-234051-51	SB107d1.5	Solid	02/18/19 11:32	02/19/19 15:10
440-234051-52	SB107d2.5	Solid	02/18/19 11:35	02/19/19 15:10
440-234051-54	SB112d1.5	Solid	02/18/19 11:47	02/19/19 15:10
440-234051-55	SB112d2.5	Solid	02/18/19 11:49	02/19/19 15:10
440-234051-57	SB106d1.5	Solid	02/18/19 11:56	02/19/19 15:10
440-234051-58	SB106d2.5	Solid	02/18/19 12:00	02/19/19 15:10
440-234051-59	Duplicate-1	Solid	02/18/19 12:05	02/19/19 15:10
440-234051-60	Duplicate-2	Solid	02/18/19 12:10	02/19/19 15:10
440-234051-61	Equipment Blank	Water	02/18/19 12:15	02/19/19 15:10

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Job ID: 440-234051-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-234051-1

Receipt

The samples were received on 2/19/2019 3:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.
revision created to merge 3 job sieres

Metals

Method(s) 6010B: The serial dilution performed for the following sample associated with batch 440-530408 was outside control limits for Lead: (440-234051-A-2-A SD ^100)

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-529798 and analytical batch 440-530025 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The serial dilution performed for the following sample associated with batch 440-531309 was outside control limits for Lead: (440-227981-B-4-E SD ^100)

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

Organic Prep

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

Narrative

Job Narrative 440-234051-2

Comments

No additional comments.

Receipt

The samples were received on 2/19/2019 3:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

Metals

Method(s) 6010B: The matrix spike (MS) recoveries of Lead for preparation batch 440-531743 and analytical batch 440-532020 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep

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

Narrative

Job Narrative 440-234051-3

Comments

No additional comments.

Receipt

The samples were received on 2/19/2019 3:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Job ID: 440-234051-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Metals

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

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Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB84d1.5

Date Collected: 02/18/19 07:50

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-2

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31		0.10	0.080	mg/L			02/22/19 17:56	20

Client Sample ID: SB84d2.5

Date Collected: 02/18/19 07:51

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-3

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	38	F1	2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 13:37	5

Client Sample ID: SB85d1.5

Date Collected: 02/18/19 08:03

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-5

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.10	0.080	mg/L			02/22/19 18:11	20

Client Sample ID: SB85d2.5

Date Collected: 02/18/19 08:08

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-6

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 13:48	5

Client Sample ID: SB99d0.5

Date Collected: 02/18/19 08:30

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-10

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6		0.10	0.080	mg/L			02/22/19 18:14	20

Client Sample ID: SB99d1.5

Date Collected: 02/18/19 08:33

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-11

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61		2.0	1.0	mg/Kg		02/20/19 09:41	02/20/19 19:18	5

Client Sample ID: SB96d0.5

Date Collected: 02/18/19 08:43

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-13

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	47		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 13:55	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB96d0.5

Lab Sample ID: 440-234051-13

Date Collected: 02/18/19 08:43

Matrix: Solid

Date Received: 02/19/19 15:10

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.6		0.10	0.080	mg/L			02/22/19 18:16	20

Client Sample ID: SB96d1.5

Lab Sample ID: 440-234051-14

Date Collected: 02/18/19 08:46

Matrix: Solid

Date Received: 02/19/19 15:10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45		2.0	0.99	mg/Kg		02/20/19 09:41	02/20/19 19:52	5

Client Sample ID: SB102d1.5

Lab Sample ID: 440-234051-20

Date Collected: 02/18/19 09:16

Matrix: Solid

Date Received: 02/19/19 15:10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 13:58	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.10	0.080	mg/L			03/07/19 12:10	20

Client Sample ID: SB102d2.5

Lab Sample ID: 440-234051-21

Date Collected: 02/18/19 09:27

Matrix: Solid

Date Received: 02/19/19 15:10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9	J	2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 14:00	5

Client Sample ID: SB98d0.5

Lab Sample ID: 440-234051-22

Date Collected: 02/18/19 09:30

Matrix: Solid

Date Received: 02/19/19 15:10

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		0.10	0.080	mg/L			02/22/19 18:19	20

Client Sample ID: SB98d1.5

Lab Sample ID: 440-234051-23

Date Collected: 02/18/19 09:35

Matrix: Solid

Date Received: 02/19/19 15:10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		2.0	1.0	mg/Kg		02/20/19 09:41	02/20/19 19:55	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		0.10	0.080	mg/L			03/07/19 12:13	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB98d2.5

Date Collected: 02/18/19 09:42

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-24

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.5		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 14:03	5

Client Sample ID: SB97d0.5

Date Collected: 02/18/19 09:45

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-25

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	44		2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 14:05	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.8		0.10	0.080	mg/L			02/22/19 18:21	20

Client Sample ID: SB97d1.5

Date Collected: 02/18/19 09:48

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-26

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		2.0	1.0	mg/Kg		02/20/19 09:41	02/20/19 19:57	5

Client Sample ID: SB110d1.5

Date Collected: 02/18/19 10:15

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-32

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	48		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 14:08	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		0.10	0.080	mg/L			02/22/19 18:24	20

Client Sample ID: SB95d2.5

Date Collected: 02/18/19 10:30

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-34

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.10	0.080	mg/L			02/22/19 18:26	20

Client Sample ID: SB95d3

Date Collected: 02/18/19 10:34

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-35

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	84		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 14:11	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB95d3

Date Collected: 02/18/19 10:34

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-35

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.9		0.10	0.080	mg/L			02/22/19 18:29	20

Client Sample ID: SB111d1.5

Date Collected: 02/18/19 10:49

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-39

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 14:13	5

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.94		0.10	0.080	mg/L			02/22/19 18:31	20

Client Sample ID: SB108d1.5

Date Collected: 02/18/19 11:03

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-42

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		0.10	0.080	mg/L			02/22/19 18:34	20

Client Sample ID: SB108d2.5

Date Collected: 02/18/19 11:05

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-43

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		2.0	1.0	mg/Kg		03/01/19 08:54	03/03/19 14:16	5

Client Sample ID: SB105d1.5

Date Collected: 02/18/19 11:15

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-45

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.47		0.10	0.080	mg/L			02/27/19 16:10	20

Client Sample ID: SB105d2.5

Date Collected: 02/18/19 11:17

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-46

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		2.0	1.0	mg/Kg		03/08/19 10:05	03/11/19 14:05	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB109d1.5

Date Collected: 02/18/19 11:24

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-48

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	55		0.10	0.080	mg/L	-		02/22/19 18:47	20

Client Sample ID: SB109d2.5

Date Collected: 02/18/19 11:26

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-49

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		2.0	0.99	mg/Kg	-	03/01/19 08:54	03/03/19 14:23	5

Client Sample ID: SB107d1.5

Date Collected: 02/18/19 11:32

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-51

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.9		0.10	0.080	mg/L	-		02/22/19 17:28	20

Client Sample ID: SB107d2.5

Date Collected: 02/18/19 11:35

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-52

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		2.0	1.0	mg/Kg	-	03/01/19 08:54	03/03/19 14:26	5

Client Sample ID: SB112d1.5

Date Collected: 02/18/19 11:47

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-54

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		0.10	0.080	mg/L	-		03/07/19 12:16	20

Client Sample ID: SB112d2.5

Date Collected: 02/18/19 11:49

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-55

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	50		2.0	1.0	mg/Kg	-	03/01/19 08:54	03/03/19 14:28	5

Client Sample ID: SB106d1.5

Date Collected: 02/18/19 11:56

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-57

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23		0.10	0.080	mg/L	-		02/22/19 17:43	20

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB106d2.5

Date Collected: 02/18/19 12:00

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-58

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 14:31	5

Client Sample ID: Duplicate-1

Date Collected: 02/18/19 12:05

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-59

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.3		0.10	0.080	mg/L			02/22/19 17:46	20

Client Sample ID: Duplicate-2

Date Collected: 02/18/19 12:10

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-60

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.10	0.080	mg/L			02/22/19 17:48	20

Client Sample ID: Equipment Blank

Date Collected: 02/18/19 12:15

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-61

Matrix: Water

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		02/26/19 10:18	02/27/19 15:22	1

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	TAL IRV

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

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

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB84d1.5

Date Collected: 02/18/19 07:50

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 17:56	P1R	TAL IRV

Client Sample ID: SB84d2.5

Date Collected: 02/18/19 07:51

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 13:37	P1R	TAL IRV

Client Sample ID: SB85d1.5

Date Collected: 02/18/19 08:03

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.01 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:11	P1R	TAL IRV

Client Sample ID: SB85d2.5

Date Collected: 02/18/19 08:08

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 13:48	P1R	TAL IRV

Client Sample ID: SB99d0.5

Date Collected: 02/18/19 08:30

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:14	P1R	TAL IRV

Client Sample ID: SB99d1.5

Date Collected: 02/18/19 08:33

Date Received: 02/19/19 15:10

Lab Sample ID: 440-234051-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	529798	02/20/19 09:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			530025	02/20/19 19:18	VS	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB96d0.5

Lab Sample ID: 440-234051-13

Date Collected: 02/18/19 08:43

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.08 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:16	P1R	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 13:55	P1R	TAL IRV

Client Sample ID: SB96d1.5

Lab Sample ID: 440-234051-14

Date Collected: 02/18/19 08:46

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	529798	02/20/19 09:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			530025	02/20/19 19:52	VS	TAL IRV

Client Sample ID: SB102d1.5

Lab Sample ID: 440-234051-20

Date Collected: 02/18/19 09:16

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.11 g	500 mL	532153	03/04/19 12:48	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			532965	03/07/19 12:10	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 13:58	P1R	TAL IRV

Client Sample ID: SB102d2.5

Lab Sample ID: 440-234051-21

Date Collected: 02/18/19 09:27

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:00	P1R	TAL IRV

Client Sample ID: SB98d0.5

Lab Sample ID: 440-234051-22

Date Collected: 02/18/19 09:30

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.06 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:19	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB98d1.5

Lab Sample ID: 440-234051-23

Date Collected: 02/18/19 09:35

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	532153	03/04/19 12:48	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			532965	03/07/19 12:13	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	529798	02/20/19 09:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			530025	02/20/19 19:55	VS	TAL IRV

Client Sample ID: SB98d2.5

Lab Sample ID: 440-234051-24

Date Collected: 02/18/19 09:42

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:03	P1R	TAL IRV

Client Sample ID: SB97d0.5

Lab Sample ID: 440-234051-25

Date Collected: 02/18/19 09:45

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:21	P1R	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:05	P1R	TAL IRV

Client Sample ID: SB97d1.5

Lab Sample ID: 440-234051-26

Date Collected: 02/18/19 09:48

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	529798	02/20/19 09:41	DT	TAL IRV
Total/NA	Analysis	6010B		5			530025	02/20/19 19:57	VS	TAL IRV

Client Sample ID: SB110d1.5

Lab Sample ID: 440-234051-32

Date Collected: 02/18/19 10:15

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.04 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:24	P1R	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:08	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB95d2.5

Lab Sample ID: 440-234051-34

Date Collected: 02/18/19 10:30

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.01 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:26	P1R	TAL IRV

Client Sample ID: SB95d3

Lab Sample ID: 440-234051-35

Date Collected: 02/18/19 10:34

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:29	P1R	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:11	P1R	TAL IRV

Client Sample ID: SB111d1.5

Lab Sample ID: 440-234051-39

Date Collected: 02/18/19 10:49

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:31	P1R	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:13	P1R	TAL IRV

Client Sample ID: SB108d1.5

Lab Sample ID: 440-234051-42

Date Collected: 02/18/19 11:03

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.06 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:34	P1R	TAL IRV

Client Sample ID: SB108d2.5

Lab Sample ID: 440-234051-43

Date Collected: 02/18/19 11:05

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:16	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB105d1.5

Lab Sample ID: 440-234051-45

Date Collected: 02/18/19 11:15

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.07 g	500 mL	530683	02/25/19 12:03	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			531309	02/27/19 16:10	P1R	TAL IRV

Client Sample ID: SB105d2.5

Lab Sample ID: 440-234051-46

Date Collected: 02/18/19 11:17

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	533166	03/08/19 10:05	DT	TAL IRV
Total/NA	Analysis	6010B		5			533540	03/11/19 14:05	P1R	TAL IRV

Client Sample ID: SB109d1.5

Lab Sample ID: 440-234051-48

Date Collected: 02/18/19 11:24

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	529899	02/20/19 15:27	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 18:47	P1R	TAL IRV

Client Sample ID: SB109d2.5

Lab Sample ID: 440-234051-49

Date Collected: 02/18/19 11:26

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:23	P1R	TAL IRV

Client Sample ID: SB107d1.5

Lab Sample ID: 440-234051-51

Date Collected: 02/18/19 11:32

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			49.99 g	500 mL	529900	02/20/19 15:35	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 17:28	P1R	TAL IRV

Client Sample ID: SB107d2.5

Lab Sample ID: 440-234051-52

Date Collected: 02/18/19 11:35

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:26	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: SB112d1.5

Lab Sample ID: 440-234051-54

Date Collected: 02/18/19 11:47

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.09 g	500 mL	532153	03/04/19 12:48	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			532965	03/07/19 12:16	VS	TAL IRV

Client Sample ID: SB112d2.5

Lab Sample ID: 440-234051-55

Date Collected: 02/18/19 11:49

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:28	P1R	TAL IRV

Client Sample ID: SB106d1.5

Lab Sample ID: 440-234051-57

Date Collected: 02/18/19 11:56

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.09 g	500 mL	529900	02/20/19 15:35	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 17:43	P1R	TAL IRV

Client Sample ID: SB106d2.5

Lab Sample ID: 440-234051-58

Date Collected: 02/18/19 12:00

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	531743	03/01/19 08:54	YCL	TAL IRV
Total/NA	Analysis	6010B		5			532020	03/03/19 14:31	P1R	TAL IRV

Client Sample ID: Duplicate-1

Lab Sample ID: 440-234051-59

Date Collected: 02/18/19 12:05

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	529900	02/20/19 15:35	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 17:46	P1R	TAL IRV

Client Sample ID: Duplicate-2

Lab Sample ID: 440-234051-60

Date Collected: 02/18/19 12:10

Matrix: Solid

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.08 g	500 mL	529900	02/20/19 15:35	EMS	TAL IRV
STLC Citrate	Analysis	6010B		20			530408	02/22/19 17:48	P1R	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Client Sample ID: Equipment Blank

Lab Sample ID: 440-234051-61

Date Collected: 02/18/19 12:15

Matrix: Water

Date Received: 02/19/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	530913	02/26/19 10:18	BV	TAL IRV
Total Recoverable	Analysis	6010B		1			531309	02/27/19 15:22	P1R	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-529798/1-A ^5
Matrix: Solid
Analysis Batch: 530025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		02/20/19 09:41	02/20/19 19:11	5

Lab Sample ID: LCS 440-529798/2-A ^5
Matrix: Solid
Analysis Batch: 530025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	46.0		mg/Kg		92	80 - 120

Lab Sample ID: 440-234051-11 MS
Matrix: Solid
Analysis Batch: 530025

Client Sample ID: SB99d1.5
Prep Type: Total/NA
Prep Batch: 529798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	61		49.5	119		mg/Kg		117	75 - 125

Lab Sample ID: 440-234051-11 MSD
Matrix: Solid
Analysis Batch: 530025

Client Sample ID: SB99d1.5
Prep Type: Total/NA
Prep Batch: 529798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	61		49.3	109		mg/Kg		99	75 - 125	8	20

Lab Sample ID: MB 440-531743/1-A ^5
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		03/01/19 08:54	03/03/19 13:30	5

Lab Sample ID: LCS 440-531743/2-A ^5
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.8	49.0		mg/Kg		99	80 - 120

Lab Sample ID: 440-234051-3 MS
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: SB84d2.5
Prep Type: Total/NA
Prep Batch: 531743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	38	F1	49.5	107	F1	mg/Kg		139	75 - 125

Lab Sample ID: 440-234051-3 MSD
Matrix: Solid
Analysis Batch: 532020

Client Sample ID: SB84d2.5
Prep Type: Total/NA
Prep Batch: 531743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	38	F1	49.5	98.2		mg/Kg		122	75 - 125	8	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Lab Sample ID: MB 440-533166/1-A ^5
Matrix: Solid
Analysis Batch: 533540

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 533166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.99	mg/Kg		03/08/19 10:05	03/11/19 12:51	5

Lab Sample ID: LCS 440-533166/2-A ^5
Matrix: Solid
Analysis Batch: 533540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 533166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	49.3	49.7		mg/Kg		101	80 - 120

Lab Sample ID: 440-235179-A-1-B MS ^5
Matrix: Solid
Analysis Batch: 533540

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 533166

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	31		50.0	74.0		mg/Kg		87	75 - 125

Lab Sample ID: 440-235179-A-1-C MSD ^5
Matrix: Solid
Analysis Batch: 533540

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 533166

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	31		49.3	70.9		mg/Kg		82	75 - 125	4	20

Lab Sample ID: MB 440-530913/1-A
Matrix: Water
Analysis Batch: 531309

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 530913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0038	mg/L		02/26/19 10:18	02/27/19 14:21	1

Lab Sample ID: LCS 440-530913/2-A
Matrix: Water
Analysis Batch: 531309

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 530913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.981		mg/L		98	80 - 120

Lab Sample ID: 440-234154-N-7-F MS
Matrix: Water
Analysis Batch: 531309

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 530913

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		1.00	0.966		mg/L		97	75 - 125

Lab Sample ID: 440-234154-N-7-G MSD
Matrix: Water
Analysis Batch: 531309

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 530913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		1.00	0.953		mg/L		95	75 - 125	1	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

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

Lab Sample ID: MB 440-529899/1-A ^20
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			02/22/19 17:51	20

Lab Sample ID: MB 440-529900/1-A ^20
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			02/22/19 17:23	20

Lab Sample ID: LCS 440-529899/2-A ^20
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	20.1		mg/L		101	80 - 120

Lab Sample ID: LCS 440-529900/2-A ^20
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	20.6		mg/L		103	80 - 120

Lab Sample ID: 440-234051-2 MS
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: SB84d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	31		20.0	48.3		mg/L		87	75 - 125

Lab Sample ID: 440-234051-2 MSD
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: SB84d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	31		20.0	46.8		mg/L		79	75 - 125	3	20

Lab Sample ID: 440-234051-51 MS
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: SB107d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	9.9		20.0	30.5		mg/L		103	75 - 125

Lab Sample ID: 440-234051-51 MSD
Matrix: Solid
Analysis Batch: 530408

Client Sample ID: SB107d1.5
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	9.9		20.0	30.5		mg/L		103	75 - 125	0	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Lab Sample ID: MB 440-530683/1-A ^20
Matrix: Solid
Analysis Batch: 531309

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			02/27/19 15:55	20

Lab Sample ID: LCS 440-530683/2-A ^20
Matrix: Solid
Analysis Batch: 531309

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	20.5		mg/L		102	80 - 120

Lab Sample ID: 440-227981-B-4-E MS ^20
Matrix: Solid
Analysis Batch: 531309

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	6.3		20.0	26.3		mg/L		100	75 - 125

Lab Sample ID: 440-227981-B-4-E MSD ^20
Matrix: Solid
Analysis Batch: 531309

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	6.3		20.0	26.4		mg/L		100	75 - 125	0	20

Lab Sample ID: MB 440-532153/1-A ^20
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.080	mg/L			03/07/19 11:49	20

Lab Sample ID: LCS 440-532153/2-A ^20
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	19.8		mg/L		99	80 - 120

Lab Sample ID: 440-228400-A-33-A MS ^20
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: Matrix Spike
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25		20.0	42.6		mg/L		89	75 - 125

Lab Sample ID: 440-228400-A-33-A MSD ^20
Matrix: Solid
Analysis Batch: 532965

Client Sample ID: Matrix Spike Duplicate
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	25		20.0	43.2		mg/L		92	75 - 125	1	20

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Metals

Prep Batch: 529798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-11	SB99d1.5	Total/NA	Solid	3050B	
440-234051-14	SB96d1.5	Total/NA	Solid	3050B	
440-234051-23	SB98d1.5	Total/NA	Solid	3050B	
440-234051-26	SB97d1.5	Total/NA	Solid	3050B	
MB 440-529798/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-529798/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-234051-11 MS	SB99d1.5	Total/NA	Solid	3050B	
440-234051-11 MSD	SB99d1.5	Total/NA	Solid	3050B	

Leach Batch: 529899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-2	SB84d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-5	SB85d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-10	SB99d0.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-13	SB96d0.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-22	SB98d0.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-25	SB97d0.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-32	SB110d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-34	SB95d2.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-35	SB95d3	STLC Citrate	Solid	CA WET Citrate	
440-234051-39	SB111d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-42	SB108d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-48	SB109d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-529899/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-529899/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-234051-2 MS	SB84d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-2 MSD	SB84d1.5	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 529900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-51	SB107d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-57	SB106d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-59	Duplicate-1	STLC Citrate	Solid	CA WET Citrate	
440-234051-60	Duplicate-2	STLC Citrate	Solid	CA WET Citrate	
MB 440-529900/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-529900/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-234051-51 MS	SB107d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-51 MSD	SB107d1.5	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 530025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-11	SB99d1.5	Total/NA	Solid	6010B	529798
440-234051-14	SB96d1.5	Total/NA	Solid	6010B	529798
440-234051-23	SB98d1.5	Total/NA	Solid	6010B	529798
440-234051-26	SB97d1.5	Total/NA	Solid	6010B	529798
MB 440-529798/1-A ^5	Method Blank	Total/NA	Solid	6010B	529798
LCS 440-529798/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	529798
440-234051-11 MS	SB99d1.5	Total/NA	Solid	6010B	529798
440-234051-11 MSD	SB99d1.5	Total/NA	Solid	6010B	529798

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Metals (Continued)

Analysis Batch: 530408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-2	SB84d1.5	STLC Citrate	Solid	6010B	529899
440-234051-5	SB85d1.5	STLC Citrate	Solid	6010B	529899
440-234051-10	SB99d0.5	STLC Citrate	Solid	6010B	529899
440-234051-13	SB96d0.5	STLC Citrate	Solid	6010B	529899
440-234051-22	SB98d0.5	STLC Citrate	Solid	6010B	529899
440-234051-25	SB97d0.5	STLC Citrate	Solid	6010B	529899
440-234051-32	SB110d1.5	STLC Citrate	Solid	6010B	529899
440-234051-34	SB95d2.5	STLC Citrate	Solid	6010B	529899
440-234051-35	SB95d3	STLC Citrate	Solid	6010B	529899
440-234051-39	SB111d1.5	STLC Citrate	Solid	6010B	529899
440-234051-42	SB108d1.5	STLC Citrate	Solid	6010B	529899
440-234051-48	SB109d1.5	STLC Citrate	Solid	6010B	529899
440-234051-51	SB107d1.5	STLC Citrate	Solid	6010B	529900
440-234051-57	SB106d1.5	STLC Citrate	Solid	6010B	529900
440-234051-59	Duplicate-1	STLC Citrate	Solid	6010B	529900
440-234051-60	Duplicate-2	STLC Citrate	Solid	6010B	529900
MB 440-529899/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	529899
MB 440-529900/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	529900
LCS 440-529899/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	529899
LCS 440-529900/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	529900
440-234051-2 MS	SB84d1.5	STLC Citrate	Solid	6010B	529899
440-234051-2 MSD	SB84d1.5	STLC Citrate	Solid	6010B	529899
440-234051-51 MS	SB107d1.5	STLC Citrate	Solid	6010B	529900
440-234051-51 MSD	SB107d1.5	STLC Citrate	Solid	6010B	529900

Leach Batch: 530683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-45	SB105d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-530683/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-530683/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-227981-B-4-E MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-227981-B-4-E MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 530913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-61	Equipment Blank	Total Recoverable	Water	3005A	
MB 440-530913/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-530913/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
440-234154-N-7-F MS	Matrix Spike	Total Recoverable	Water	3005A	
440-234154-N-7-G MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 531309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-45	SB105d1.5	STLC Citrate	Solid	6010B	530683
440-234051-61	Equipment Blank	Total Recoverable	Water	6010B	530913
MB 440-530683/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	530683
MB 440-530913/1-A	Method Blank	Total Recoverable	Water	6010B	530913
LCS 440-530683/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	530683
LCS 440-530913/2-A	Lab Control Sample	Total Recoverable	Water	6010B	530913
440-227981-B-4-E MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	530683
440-227981-B-4-E MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	530683

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Metals (Continued)

Analysis Batch: 531309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234154-N-7-F MS	Matrix Spike	Total Recoverable	Water	6010B	530913
440-234154-N-7-G MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	530913

Prep Batch: 531743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-3	SB84d2.5	Total/NA	Solid	3050B	
440-234051-6	SB85d2.5	Total/NA	Solid	3050B	
440-234051-13	SB96d0.5	Total/NA	Solid	3050B	
440-234051-20	SB102d1.5	Total/NA	Solid	3050B	
440-234051-21	SB102d2.5	Total/NA	Solid	3050B	
440-234051-24	SB98d2.5	Total/NA	Solid	3050B	
440-234051-25	SB97d0.5	Total/NA	Solid	3050B	
440-234051-32	SB110d1.5	Total/NA	Solid	3050B	
440-234051-35	SB95d3	Total/NA	Solid	3050B	
440-234051-39	SB111d1.5	Total/NA	Solid	3050B	
440-234051-43	SB108d2.5	Total/NA	Solid	3050B	
440-234051-49	SB109d2.5	Total/NA	Solid	3050B	
440-234051-52	SB107d2.5	Total/NA	Solid	3050B	
440-234051-55	SB112d2.5	Total/NA	Solid	3050B	
440-234051-58	SB106d2.5	Total/NA	Solid	3050B	
MB 440-531743/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-531743/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-234051-3 MS	SB84d2.5	Total/NA	Solid	3050B	
440-234051-3 MSD	SB84d2.5	Total/NA	Solid	3050B	

Analysis Batch: 532020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-3	SB84d2.5	Total/NA	Solid	6010B	531743
440-234051-6	SB85d2.5	Total/NA	Solid	6010B	531743
440-234051-13	SB96d0.5	Total/NA	Solid	6010B	531743
440-234051-20	SB102d1.5	Total/NA	Solid	6010B	531743
440-234051-21	SB102d2.5	Total/NA	Solid	6010B	531743
440-234051-24	SB98d2.5	Total/NA	Solid	6010B	531743
440-234051-25	SB97d0.5	Total/NA	Solid	6010B	531743
440-234051-32	SB110d1.5	Total/NA	Solid	6010B	531743
440-234051-35	SB95d3	Total/NA	Solid	6010B	531743
440-234051-39	SB111d1.5	Total/NA	Solid	6010B	531743
440-234051-43	SB108d2.5	Total/NA	Solid	6010B	531743
440-234051-49	SB109d2.5	Total/NA	Solid	6010B	531743
440-234051-52	SB107d2.5	Total/NA	Solid	6010B	531743
440-234051-55	SB112d2.5	Total/NA	Solid	6010B	531743
440-234051-58	SB106d2.5	Total/NA	Solid	6010B	531743
MB 440-531743/1-A ^5	Method Blank	Total/NA	Solid	6010B	531743
LCS 440-531743/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	531743
440-234051-3 MS	SB84d2.5	Total/NA	Solid	6010B	531743
440-234051-3 MSD	SB84d2.5	Total/NA	Solid	6010B	531743

Leach Batch: 532153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-20	SB102d1.5	STLC Citrate	Solid	CA WET Citrate	
440-234051-23	SB98d1.5	STLC Citrate	Solid	CA WET Citrate	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Metals (Continued)

Leach Batch: 532153 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-54	SB112d1.5	STLC Citrate	Solid	CA WET Citrate	
MB 440-532153/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 440-532153/2-A ^20	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
440-228400-A-33-A MS ^20	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-228400-A-33-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 532965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-20	SB102d1.5	STLC Citrate	Solid	6010B	532153
440-234051-23	SB98d1.5	STLC Citrate	Solid	6010B	532153
440-234051-54	SB112d1.5	STLC Citrate	Solid	6010B	532153
MB 440-532153/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	532153
LCS 440-532153/2-A ^20	Lab Control Sample	STLC Citrate	Solid	6010B	532153
440-228400-A-33-A MS ^20	Matrix Spike	STLC Citrate	Solid	6010B	532153
440-228400-A-33-A MSD ^20	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	532153

Prep Batch: 533166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-46	SB105d2.5	Total/NA	Solid	3050B	
MB 440-533166/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-533166/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-235179-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-235179-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 533540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234051-46	SB105d2.5	Total/NA	Solid	6010B	533166
MB 440-533166/1-A ^5	Method Blank	Total/NA	Solid	6010B	533166
LCS 440-533166/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	533166
440-235179-A-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	533166
440-235179-A-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	533166

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-234051-1

Laboratory: TestAmerica Irvine

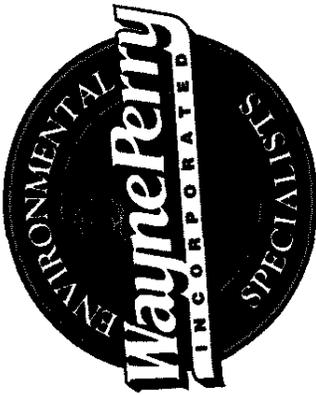
Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
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WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Contact: jljacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Miriam Urena
 Result Turnaround: Standard 7-Day TAT

Additional Instructions:
 Quote No. 44021693
 EDD Required

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Lead by EPA Method 6010B	STLC Lead	Archive	Comments
SB64 d0.5	2/18/19	745	Soil	1			X	
SB84 d1.5		750	Soil	1	X		X	
SB84 d2.5		757	Soil	1			X	
SB85 d0.5		801	Soil	1			X	
SB85 d1.5		803	Soil	1	X		X	
SB85 d2.5		808	Soil	1			X	
SB103 d0.5		819	Soil	1			X	
SB103 d1.5		823	Soil	1			X	
SB103 d2.5		826	Soil	1			X	
SB99 d0.5		830	Soil	1	X		X	

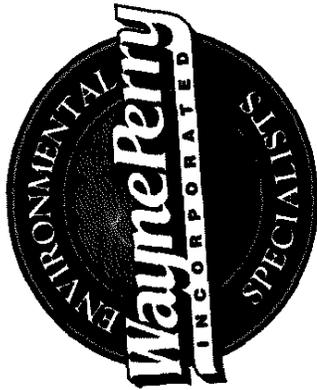
440-234051 Chain of Custody

2/18/19
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 Date: 2/18/19
 Time: 1610
 Relinquished By: *[Signature]*
 Received By: *[Signature]*
 Date: 2/19/19
 Time: 14:25

TA-12V 2/19/19 1510
 Temp 4.4^u / 4.8^u
 Olga Omeles
 TA-12V
 Page 7 of 7





WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0332 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

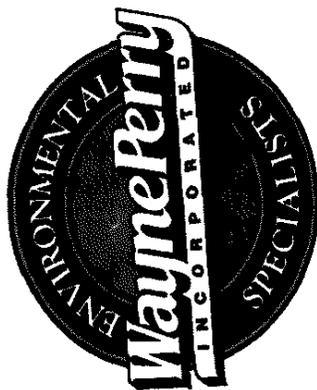
Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: Test America	
WPI Contact: jjacobs@wpinc.com, CFarrell@wpinc.com, TFarludv@wpinc.com		Sampled By: Miriam Urena	
Additional Instructions: Quote No. 44021693		Result Turnaround: Standard 7-Day TAT	
EDD Required			

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Lead by EPA Method 6010B	STLC Lead	Archive	Comments
SB99d1.5	2/18/19	833 ✓	Soil	1	X			
SB99d2.5		837 ✓					X	
SB99d1.5		843 ✓			X			
SB96d1.5		846 ✓					X	
SB96d2.5		850 ✓					X	
SB100d0.5		856 ✓					X	
SB100d1.5		902 ✓					X	
SB100d2.5		906 ✓					X	
SB102d0.5		910 ✓					X	
SB102d1.5		916 ✓					X	

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/18/19	Date: 2/19/19	Time: 1610	Time: 14:25
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Olga Ometas 2/19/19 @ 1510
 TA 1EV
 Page 2 of 7





WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll-free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School	WPI Job Number: 180618
Site Address: 1447 East 45 th Street, Los Angeles, CA	Laboratory: TestAmerica
WPI Contact: jjacobs@wpinc.com , CFarrell@wpinc.com , TFaludy@wpinc.com	Sampled By: Miriam Urena
	Result Turnaround: Standard 7-Day TAT

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Lead by EPA Method 6010B	STL/Lead	Archive	Comments
1 SB07A 2.5	2/18/19	927V	Soil	1			X	
2 SB98A 0.5		930V			X		X	
3 SB98A 1.5		935V			X		X	
4 SB98A 2.5V		942V			X		X	
5 SB97A 0.5		945V			X		X	
6 SB97A 1.5		948V			X		X	
7 SB97A 2.5		952V			X		X	
8 SB101A 0.5		1000V					X	
9 SB101A 1.5		1005V					X	
10 SB101A 2.5		1008V					X	

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/18/19	Date: 2/18/19	Time: 1610
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/19/19	Date: 2/19/19	Time: 1425

[Signature] TA-1EV 2/19/19 @ 1510 *[Signature]* TA-1EV
[Signature] TA-1EV 2/19/19 1510 *[Signature]* TA-1EV
 Page 3 of 7





WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll-free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

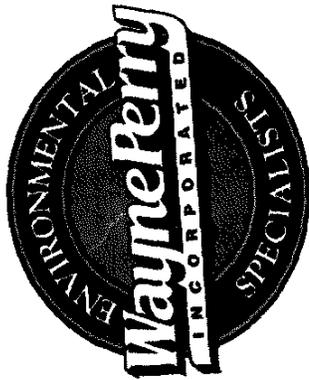
Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: Test America	
WPI Contact: JIacobs@wpinc.com, CFarrell@wpinc.com, TFarlady@wpinc.com		Sampled By: Miriam Urena	
Additional Instructions: Quote No. 44021693		Result Turnaround: Standard 7-Day TAT	
EDD Required			

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Lead by EPA Method 6010B	STLC Lead	Archive	Comments
SB110d0.5	2/18/19	1012V	Soil	1			X	
SB110d1.5		1015V			X		X	
SB110d2.5		1018V			X		X	
SB95d2.5		1030V			X		X	
SB95d3		1034V			X		X	
SB95d4		1036V			X		X	
SB95d5		1038V			X		X	
SB110d0.5		1045V			X		X	
SB111d1.5		1049V						
SB111d2.5		1052V					X	

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Relinquished Bx: <i>[Signature]</i>	Received Bx: <i>[Signature]</i>	TA-12V	TA-12V		

Edger Canelas 2/19/19 1510
 TA 1KV
 Page 4 of 7

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WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School	WPI Job Number: 180618
Site Address: 1447 East 45 th Street, Los Angeles, CA	Laboratory: TestAmerica
WPI Contact: jjacobs@wpinc.com, CFarrell@wpinc.com, TFaludy@wpinc.com	Sampled By: Miriam Urena
	Result Turnaround: Standard 7-Day TAT

Additional Instructions:
 Quote No. 44021693

EDD Required

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Lead by EPA Method 6010B	STC/Lead	Archive	Comments
SB107d1.5	2/18/19	1132 ✓	Soil	1		X		
SB107d2.5	2/18/19	1135 ✓					X	
SB112d0.5	2/18/19	1139 ✓					X	
SB112d1.5	2/18/19	1147 ✓					X	
SB112d2.5	2/18/19	1149 ✓					X	
SB106d0.5	2/18/19	1153 ✓				X		
SB106d1.5	2/18/19	1156 ✓						
SB106d2.5	2/18/19	1200 ✓				X		
Duplicate-1	2/18/19	1205 ✓				X		
Duplicate-2	2/18/19	1210 ✓						

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/19/19	Time: 1610
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/17/19	Time: 1425

TA-12V
 Olga Omeles 2/19/19 @ 1510 Page 6 of 7
 TA-12V





WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School		WPI Job Number: 180618	
Site Address: 1447 East 45 th Street, Los Angeles, CA		Laboratory: TestAmerica	
WPI Contact: jjacobs@wpinc.com , CFarrell@wpinc.com , TFaludy@wpinc.com		Sampled By: Miriam Urena	
Additional Instructions: Quote No. 44021693		Result Turnaround: Standard 7-Day TAT	
EDD Required			

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Lead by EPA Method 6010B	STLC Lead	Archive	Comments
1 Equipment Blank 2/18/19	2/18/19	1215	Water	1	X			
2								
3								
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10								

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/18/19	Time: 1610
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Date: 2/19/19	Time: 1425

[Signature] TA-1PV 2/19/19 @ 1510 Olga Dimelas 2/19/19 TA-1PV 1510 Page 7 of 7



Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-234051-1

Login Number: 234051

List Number: 1

Creator: Soderblom, Tim

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-228715-1

Client Project/Site: LAUSD Soil - Task 3

Revision: 1

For:

Wayne Perry, Inc.

8281 Commonwealth Avenue

Buena Park, California 90621

Attn: Cristi Farrell



Authorized for release by:

3/28/2019 3:05:01 PM

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Sample Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-228715-1	Disposal	Solid	12/26/18 13:10	12/27/18 09:15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Job ID: 440-228715-1

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-228715-1**

Comments

Revision created to add revised Emlab P&K report.

Receipt

The sample was received on 12/27/2018 9:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 440-520288 recovered above the upper control limit for 1,1-Dichloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

GC/MS Semi VOA

Method(s) 8270C SIM: The following sample was diluted due to abundance of non-target analytes: (LCS 440-520197/2-A). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

GC Semi VOA

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-519893 and analytical batch 440-519989 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 440-519893 and analytical batch 440-519989 was outside control limits and not calculated for some analytes due to low recoveries. Sample matrix interference and non-homogeneity are suspected.

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

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries/ precision of multi analytes for preparation batch 440-520129 and analytical batch 440-520423 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

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

Subcontract non-Sister

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Client Sample ID: Disposal

Lab Sample ID: 440-228715-1

Date Collected: 12/26/18 13:10

Matrix: Solid

Date Received: 12/27/18 09:15

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		100	73	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		60 - 120				12/28/18 10:40	01/02/19 14:25	1
4-Bromofluorobenzene (Surr)	117		79 - 120				12/28/18 10:40	01/02/19 14:25	1
Toluene-d8 (Surr)	115		79 - 123				12/28/18 10:40	01/02/19 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,1,1-Trichloroethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,1,2,2-Tetrachloroethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,1,2-Trichloroethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,1-Dichloroethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,1-Dichloroethene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,1-Dichloropropene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2,4-Trimethylbenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2-Dibromo-3-Chloropropane	ND		5.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2-Dibromoethane (EDB)	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2-Dichlorobenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2-Dichloroethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,2-Dichloropropane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,3,5-Trimethylbenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,3-Dichlorobenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,3-Dichloropropane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
1,4-Dichlorobenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
2,2-Dichloropropane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
2-Butanone (MEK)	ND		10	5.2	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
2-Chlorotoluene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
2-Hexanone	ND		26	5.2	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
4-Chlorotoluene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	2.6	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Acetone	ND		21	8.3	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Benzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Bromobenzene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Bromochloromethane	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Bromodichloromethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Bromoform	ND		5.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Bromomethane	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Carbon tetrachloride	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Chlorobenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Chloroethane	ND		5.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Chloroform	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Chloromethane	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
cis-1,2-Dichloroethene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
cis-1,3-Dichloropropene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Dibromochloromethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Client Sample ID: Disposal

Lab Sample ID: 440-228715-1

Date Collected: 12/26/18 13:10

Matrix: Solid

Date Received: 12/27/18 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Dichlorodifluoromethane	ND		5.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Ethylbenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Ethyl-t-butyl ether (ETBE)	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Hexachlorobutadiene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Isopropyl Ether (DIPE)	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Isopropylbenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
m,p-Xylene	ND		4.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Methylene Chloride	ND		21	5.2	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Methyl-t-Butyl Ether (MTBE)	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Naphthalene	ND		5.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
n-Butylbenzene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
N-Propylbenzene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
o-Xylene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
p-Isopropyltoluene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
sec-Butylbenzene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Styrene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Tert-amyl-methyl ether (TAME)	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
tert-Butylbenzene	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Tetrachloroethene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Toluene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
trans-1,2-Dichloroethene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
trans-1,3-Dichloropropene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Trichloroethene	ND		2.1	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Trichlorofluoromethane	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Vinyl chloride	ND		5.2	1.0	ug/Kg		12/28/18 10:40	01/02/19 14:25	1
Xylenes, Total	ND		4.2	2.1	ug/Kg		12/28/18 10:40	01/02/19 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		79 - 120	12/28/18 10:40	01/02/19 14:25	1
Dibromofluoromethane (Surr)	107		60 - 120	12/28/18 10:40	01/02/19 14:25	1
Toluene-d8 (Surr)	115		79 - 123	12/28/18 10:40	01/02/19 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Benzo[b]fluoranthene	7.8	J	30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Chrysene	4.8	J	30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Fluoranthene	4.9	J	30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Fluorene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Naphthalene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Client Sample ID: Disposal

Date Collected: 12/26/18 13:10

Date Received: 12/27/18 09:15

Lab Sample ID: 440-228715-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Pyrene	5.9	J	30	4.0	ug/Kg		12/31/18 13:48	01/02/19 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	104		29 - 120				12/31/18 13:48	01/02/19 14:42	1
Nitrobenzene-d5	95		11 - 118				12/31/18 13:48	01/02/19 14:42	1
Terphenyl-d14	102		10 - 120				12/31/18 13:48	01/02/19 14:42	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		28 - 115				12/28/18 14:58	12/29/18 18:15	1
DCB Decachlorobiphenyl (Surr)	57		21 - 117				12/28/18 14:58	12/29/18 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Aroclor 1221	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Aroclor 1232	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Aroclor 1242	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Aroclor 1248	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Aroclor 1254	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Aroclor 1260	ND		50	17	ug/Kg		12/28/18 15:47	12/31/18 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	72		45 - 120				12/28/18 15:47	12/31/18 13:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	10	5.0	mg/Kg		12/31/18 08:39	01/02/19 13:53	5

TestAmerica Irvine

Client Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Client Sample ID: Disposal

Lab Sample ID: 440-228715-1

Date Collected: 12/26/18 13:10

Matrix: Solid

Date Received: 12/27/18 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		3.0	1.5	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Barium	120	F1	1.5	0.75	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Beryllium	0.35	J	0.50	0.25	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Cadmium	0.33	J	0.50	0.25	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Chromium	21		1.0	0.50	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Cobalt	8.3		1.0	0.50	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Copper	20		2.0	1.1	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Lead	28	F1 F2	2.0	1.0	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Molybdenum	ND		2.0	1.0	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Nickel	14		2.0	1.0	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Selenium	ND		3.0	1.7	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Silver	ND		1.5	0.89	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Thallium	ND		10	5.0	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Vanadium	40		1.0	0.50	mg/Kg		12/31/18 08:39	01/02/19 13:53	5
Zinc	70	F1	5.0	2.5	mg/Kg		12/31/18 08:39	01/02/19 13:53	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		0.50	0.25	mg/Kg		12/31/18 08:39	12/31/18 18:56	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.020	0.012	mg/Kg		12/27/18 21:07	12/28/18 20:20	1

Method Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM S	Volatile Organic Compounds by GC/MS	SW846	TAL IRV
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
8081A	Organochlorine Pesticides (GC)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
6020	Metals (ICP/MS)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
Subcontract	Asbestos PLM Bulk 600/R-93/116 (no grinding)	None	EMLab
3050B	Preparation, Metals	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
5035	Closed System Purge and Trap	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

None = None

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

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Client Sample ID: Disposal

Lab Sample ID: 440-228715-1

Date Collected: 12/26/18 13:10

Matrix: Solid

Date Received: 12/27/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8 g	10 mL	519832	12/28/18 10:40	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	520288	01/02/19 14:25	HR	TAL IRV
Total/NA	Prep	5035			4.8 g	10 mL	519832	12/28/18 10:40	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTV S		1	10 mL	10 mL	520289	01/02/19 14:25	HR	TAL IRV
Total/NA	Prep	3546			15.01 g	1 mL	520197	12/31/18 13:48	EGC	TAL IRV
Total/NA	Analysis	8270C SIM		1			520351	01/02/19 14:42	HN	TAL IRV
Total/NA	Prep	3546			15.02 g	2 mL	519893	12/28/18 14:58	EGC	TAL IRV
Total/NA	Analysis	8081A		1			519989	12/29/18 18:15	D1D	TAL IRV
Total/NA	Prep	3546			15.08 g	2 mL	519899	12/28/18 15:47	EGC	TAL IRV
Total/NA	Analysis	8082		1			520156	12/31/18 13:52	JM	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	520129	12/31/18 08:39	DT	TAL IRV
Total/NA	Analysis	6010B		5			520423	01/02/19 13:53	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	520129	12/31/18 08:39	DT	TAL IRV
Total/NA	Analysis	6020		20			520259	12/31/18 18:56	MQP	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	519710	12/27/18 21:07	DB	TAL IRV
Total/NA	Analysis	7471A		1			519955	12/28/18 20:20	DB	TAL IRV

Laboratory References:

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave - Suite 100, Irvine, CA 92614

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: MB 440-520288/4

Matrix: Solid

Analysis Batch: 520288

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			01/02/19 09:13	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			01/02/19 09:13	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
2-Butanone (MEK)	ND		10	5.0	ug/Kg			01/02/19 09:13	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
2-Hexanone	ND		25	5.0	ug/Kg			01/02/19 09:13	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.5	ug/Kg			01/02/19 09:13	1
Acetone	ND		20	8.0	ug/Kg			01/02/19 09:13	1
Benzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Bromobenzene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Bromoform	ND		5.0	2.0	ug/Kg			01/02/19 09:13	1
Bromomethane	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Chloroethane	ND		5.0	2.0	ug/Kg			01/02/19 09:13	1
Chloroform	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Chloromethane	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Dibromomethane	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			01/02/19 09:13	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: MB 440-520288/4
Matrix: Solid
Analysis Batch: 520288

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	ND		4.0	2.0	ug/Kg			01/02/19 09:13	1
Methylene Chloride	ND		20	5.0	ug/Kg			01/02/19 09:13	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Naphthalene	ND		5.0	2.0	ug/Kg			01/02/19 09:13	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
o-Xylene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Styrene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			01/02/19 09:13	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Toluene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Trichloroethene	ND		2.0	1.0	ug/Kg			01/02/19 09:13	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			01/02/19 09:13	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			01/02/19 09:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		79 - 120		01/02/19 09:13	1
Dibromofluoromethane (Surr)	104		60 - 120		01/02/19 09:13	1
Toluene-d8 (Surr)	115		79 - 123		01/02/19 09:13	1

Lab Sample ID: LCS 440-520288/5
Matrix: Solid
Analysis Batch: 520288

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	53.1		ug/Kg		106	70 - 130
1,1,1-Trichloroethane	50.0	48.2		ug/Kg		96	65 - 135
1,1,1,2,2-Tetrachloroethane	50.0	54.6		ug/Kg		109	55 - 140
1,1,2-Trichloroethane	50.0	58.7		ug/Kg		117	65 - 135
1,1-Dichloroethane	50.0	50.3		ug/Kg		101	70 - 130
1,1-Dichloroethene	50.0	55.8		ug/Kg		112	70 - 125
1,1-Dichloropropene	50.0	52.8		ug/Kg		106	70 - 130
1,2,3-Trichlorobenzene	50.0	44.2		ug/Kg		88	60 - 130
1,2,3-Trichloropropane	50.0	54.5		ug/Kg		109	60 - 135
1,2,4-Trichlorobenzene	50.0	45.4		ug/Kg		91	70 - 135
1,2,4-Trimethylbenzene	50.0	47.7		ug/Kg		95	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	46.5		ug/Kg		93	50 - 135
1,2-Dibromoethane (EDB)	50.0	56.2		ug/Kg		112	70 - 130
1,2-Dichlorobenzene	50.0	52.2		ug/Kg		104	75 - 120
1,2-Dichloroethane	50.0	50.3		ug/Kg		101	60 - 140
1,2-Dichloropropane	50.0	55.2		ug/Kg		110	70 - 130

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: LCS 440-520288/5

Matrix: Solid

Analysis Batch: 520288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	49.0		ug/Kg		98	70 - 125
1,3-Dichlorobenzene	50.0	50.9		ug/Kg		102	75 - 125
1,3-Dichloropropane	50.0	55.1		ug/Kg		110	70 - 125
1,4-Dichlorobenzene	50.0	52.0		ug/Kg		104	75 - 120
2,2-Dichloropropane	50.0	46.9		ug/Kg		94	60 - 145
2-Butanone (MEK)	50.0	67.3		ug/Kg		135	40 - 145
2-Chlorotoluene	50.0	48.0		ug/Kg		96	70 - 125
2-Hexanone	50.0	58.1		ug/Kg		116	40 - 150
4-Chlorotoluene	50.0	48.6		ug/Kg		97	75 - 125
4-Methyl-2-pentanone (MIBK)	50.0	63.4		ug/Kg		127	40 - 145
Acetone	50.0	53.8		ug/Kg		108	25 - 145
Benzene	50.0	52.3		ug/Kg		105	65 - 120
Bromobenzene	50.0	56.5		ug/Kg		113	75 - 120
Bromochloromethane	50.0	54.3		ug/Kg		109	70 - 135
Bromodichloromethane	50.0	51.6		ug/Kg		103	70 - 135
Bromoform	50.0	55.5		ug/Kg		111	55 - 135
Bromomethane	50.0	48.9		ug/Kg		98	60 - 145
Carbon tetrachloride	50.0	50.5		ug/Kg		101	65 - 140
Chlorobenzene	50.0	50.7		ug/Kg		101	75 - 120
Chloroethane	50.0	51.1		ug/Kg		102	60 - 140
Chloroform	50.0	47.8		ug/Kg		96	70 - 130
Chloromethane	50.0	43.7		ug/Kg		87	45 - 145
cis-1,2-Dichloroethene	50.0	53.3		ug/Kg		107	70 - 125
cis-1,3-Dichloropropene	50.0	57.0		ug/Kg		114	75 - 125
Dibromochloromethane	50.0	55.4		ug/Kg		111	65 - 140
Dibromomethane	50.0	56.6		ug/Kg		113	70 - 130
Dichlorodifluoromethane	50.0	38.6		ug/Kg		77	35 - 160
Ethylbenzene	50.0	49.1		ug/Kg		98	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	46.7		ug/Kg		93	60 - 140
Hexachlorobutadiene	50.0	40.3		ug/Kg		81	60 - 135
Isopropyl Ether (DIPE)	50.0	53.1		ug/Kg		106	60 - 140
Isopropylbenzene	50.0	48.2		ug/Kg		96	75 - 130
m,p-Xylene	50.0	51.5		ug/Kg		103	70 - 125
Methylene Chloride	50.0	51.7		ug/Kg		103	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	49.6		ug/Kg		99	60 - 140
Naphthalene	50.0	44.5		ug/Kg		89	55 - 135
n-Butylbenzene	50.0	46.1		ug/Kg		92	70 - 130
N-Propylbenzene	50.0	49.8		ug/Kg		100	70 - 130
o-Xylene	50.0	50.4		ug/Kg		101	70 - 125
p-Isopropyltoluene	50.0	47.2		ug/Kg		94	75 - 125
sec-Butylbenzene	50.0	46.8		ug/Kg		94	70 - 125
Styrene	50.0	47.2		ug/Kg		94	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	48.5		ug/Kg		97	60 - 145
tert-Butyl alcohol (TBA)	500	583		ug/Kg		117	70 - 135
tert-Butylbenzene	50.0	46.9		ug/Kg		94	70 - 125
Tetrachloroethene	50.0	58.3		ug/Kg		117	70 - 125
Toluene	50.0	51.8		ug/Kg		104	70 - 125
trans-1,2-Dichloroethene	50.0	55.8		ug/Kg		112	70 - 125

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: LCS 440-520288/5
Matrix: Solid
Analysis Batch: 520288

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	53.6		ug/Kg		107	70 - 135
Trichloroethene	50.0	55.5		ug/Kg		111	70 - 125
Trichlorofluoromethane	50.0	45.0		ug/Kg		90	60 - 145
Vinyl chloride	50.0	46.8		ug/Kg		94	55 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		79 - 120
Dibromofluoromethane (Surr)	102		60 - 120
Toluene-d8 (Surr)	103		79 - 123

Lab Sample ID: 440-228549-A-8 MS
Matrix: Solid
Analysis Batch: 520288

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.9	51.6		ug/Kg		103	65 - 145
1,1,1-Trichloroethane	ND		49.9	47.9		ug/Kg		96	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.9	49.1		ug/Kg		98	40 - 160
1,1,2-Trichloroethane	ND		49.9	56.4		ug/Kg		113	65 - 140
1,1-Dichloroethane	ND		49.9	49.3		ug/Kg		99	65 - 135
1,1-Dichloroethene	ND		49.9	56.0		ug/Kg		112	65 - 135
1,1-Dichloropropene	ND		49.9	53.6		ug/Kg		107	65 - 135
1,2,3-Trichlorobenzene	ND		49.9	42.8		ug/Kg		86	45 - 145
1,2,3-Trichloropropane	ND		49.9	48.7		ug/Kg		98	50 - 150
1,2,4-Trichlorobenzene	ND		49.9	45.6		ug/Kg		91	50 - 140
1,2,4-Trimethylbenzene	ND		49.9	46.3		ug/Kg		93	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.9	43.2		ug/Kg		87	40 - 150
1,2-Dibromoethane (EDB)	ND		49.9	52.8		ug/Kg		106	65 - 140
1,2-Dichlorobenzene	ND		49.9	50.1		ug/Kg		100	70 - 130
1,2-Dichloroethane	ND		49.9	47.3		ug/Kg		95	60 - 150
1,2-Dichloropropane	ND		49.9	51.4		ug/Kg		103	65 - 130
1,3,5-Trimethylbenzene	ND		49.9	46.6		ug/Kg		93	65 - 135
1,3-Dichlorobenzene	ND		49.9	47.9		ug/Kg		96	70 - 130
1,3-Dichloropropane	ND		49.9	51.5		ug/Kg		103	65 - 140
1,4-Dichlorobenzene	ND		49.9	49.3		ug/Kg		99	70 - 130
2,2-Dichloropropane	ND		49.9	48.0		ug/Kg		96	65 - 150
2-Butanone (MEK)	ND		49.9	51.8		ug/Kg		104	25 - 170
2-Chlorotoluene	ND		49.9	45.2		ug/Kg		91	60 - 135
2-Hexanone	ND		49.9	52.2		ug/Kg		105	35 - 160
4-Chlorotoluene	ND		49.9	46.5		ug/Kg		93	65 - 135
4-Methyl-2-pentanone (MIBK)	ND		49.9	58.4		ug/Kg		117	40 - 155
Acetone	ND		49.9	53.0		ug/Kg		106	20 - 145
Benzene	ND		49.9	50.0		ug/Kg		100	65 - 130
Bromobenzene	ND		49.9	53.0		ug/Kg		106	65 - 140
Bromochloromethane	ND		49.9	50.2		ug/Kg		101	65 - 145
Bromodichloromethane	ND		49.9	47.9		ug/Kg		96	65 - 145
Bromoform	ND		49.9	52.7		ug/Kg		106	50 - 145
Bromomethane	ND		49.9	48.4		ug/Kg		97	60 - 155

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: 440-228549-A-8 MS

Matrix: Solid

Analysis Batch: 520288

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	ND		49.9	49.6		ug/Kg		99	60 - 145
Chlorobenzene	ND		49.9	49.5		ug/Kg		99	70 - 130
Chloroethane	ND		49.9	50.1		ug/Kg		100	60 - 150
Chloroform	ND		49.9	46.5		ug/Kg		93	65 - 135
Chloromethane	ND		49.9	45.2		ug/Kg		91	40 - 145
cis-1,2-Dichloroethene	ND		49.9	50.9		ug/Kg		102	65 - 135
cis-1,3-Dichloropropene	ND		49.9	54.9		ug/Kg		110	70 - 135
Dibromochloromethane	ND		49.9	52.7		ug/Kg		106	60 - 145
Dibromomethane	ND		49.9	52.0		ug/Kg		104	65 - 140
Dichlorodifluoromethane	ND		49.9	42.6		ug/Kg		85	30 - 160
Ethylbenzene	ND		49.9	49.1		ug/Kg		98	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		49.9	45.2		ug/Kg		91	60 - 145
Hexachlorobutadiene	ND		49.9	38.0		ug/Kg		76	50 - 145
Isopropyl Ether (DIPE)	ND		49.9	50.2		ug/Kg		101	60 - 150
Isopropylbenzene	ND		49.9	49.3		ug/Kg		99	70 - 145
m,p-Xylene	ND		49.9	52.5		ug/Kg		105	70 - 130
Methylene Chloride	ND		49.9	49.8		ug/Kg		100	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.9	46.4		ug/Kg		93	55 - 155
Naphthalene	ND		49.9	42.8		ug/Kg		86	40 - 150
n-Butylbenzene	ND		49.9	45.4		ug/Kg		91	55 - 145
N-Propylbenzene	ND		49.9	49.4		ug/Kg		99	65 - 140
o-Xylene	ND		49.9	49.5		ug/Kg		99	65 - 130
p-Isopropyltoluene	ND		49.9	47.2		ug/Kg		95	60 - 140
sec-Butylbenzene	ND		49.9	46.6		ug/Kg		93	60 - 135
Styrene	ND		49.9	46.9		ug/Kg		94	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.9	45.6		ug/Kg		91	60 - 150
tert-Butyl alcohol (TBA)	ND		499	573		ug/Kg		115	65 - 145
tert-Butylbenzene	ND		49.9	45.5		ug/Kg		91	60 - 140
Tetrachloroethene	ND		49.9	57.4		ug/Kg		115	65 - 135
Toluene	ND		49.9	52.1		ug/Kg		104	70 - 130
trans-1,2-Dichloroethene	ND		49.9	53.5		ug/Kg		107	70 - 135
trans-1,3-Dichloropropene	ND		49.9	52.9		ug/Kg		106	60 - 145
Trichloroethene	ND		49.9	53.8		ug/Kg		108	65 - 140
Trichlorofluoromethane	ND		49.9	45.3		ug/Kg		91	55 - 155
Vinyl chloride	ND		49.9	50.8		ug/Kg		102	55 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		79 - 120
Dibromofluoromethane (Surr)	100		60 - 120
Toluene-d8 (Surr)	107		79 - 123

Lab Sample ID: 440-228549-A-8 MSD

Matrix: Solid

Analysis Batch: 520288

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.9	52.0		ug/Kg		104	65 - 145	1	20
1,1,1-Trichloroethane	ND		49.9	49.5		ug/Kg		99	65 - 145	3	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: 440-228549-A-8 MSD
Matrix: Solid
Analysis Batch: 520288

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND		49.9	49.0		ug/Kg		98	40 - 160	0	30
1,1,2-Trichloroethane	ND		49.9	56.1		ug/Kg		112	65 - 140	1	30
1,1-Dichloroethane	ND		49.9	52.2		ug/Kg		105	65 - 135	6	25
1,1-Dichloroethene	ND		49.9	58.5		ug/Kg		117	65 - 135	4	25
1,1-Dichloropropene	ND		49.9	54.4		ug/Kg		109	65 - 135	1	20
1,2,3-Trichlorobenzene	ND		49.9	41.5		ug/Kg		83	45 - 145	3	30
1,2,3-Trichloropropane	ND		49.9	51.7		ug/Kg		104	50 - 150	6	30
1,2,4-Trichlorobenzene	ND		49.9	42.6		ug/Kg		85	50 - 140	7	30
1,2,4-Trimethylbenzene	ND		49.9	47.1		ug/Kg		94	65 - 140	2	25
1,2-Dibromo-3-Chloropropane	ND		49.9	43.1		ug/Kg		86	40 - 150	0	30
1,2-Dibromoethane (EDB)	ND		49.9	52.5		ug/Kg		105	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.9	50.4		ug/Kg		101	70 - 130	1	25
1,2-Dichloroethane	ND		49.9	48.7		ug/Kg		98	60 - 150	3	25
1,2-Dichloropropane	ND		49.9	55.7		ug/Kg		112	65 - 130	8	20
1,3,5-Trimethylbenzene	ND		49.9	47.6		ug/Kg		95	65 - 135	2	25
1,3-Dichlorobenzene	ND		49.9	50.2		ug/Kg		101	70 - 130	5	25
1,3-Dichloropropane	ND		49.9	52.3		ug/Kg		105	65 - 140	2	25
1,4-Dichlorobenzene	ND		49.9	50.1		ug/Kg		100	70 - 130	1	25
2,2-Dichloropropane	ND		49.9	50.0		ug/Kg		100	65 - 150	4	25
2-Butanone (MEK)	ND		49.9	55.2		ug/Kg		111	25 - 170	7	40
2-Chlorotoluene	ND		49.9	47.8		ug/Kg		96	60 - 135	6	25
2-Hexanone	ND		49.9	51.2		ug/Kg		103	35 - 160	2	40
4-Chlorotoluene	ND		49.9	48.1		ug/Kg		96	65 - 135	3	25
4-Methyl-2-pentanone (MIBK)	ND		49.9	57.0		ug/Kg		114	40 - 155	2	40
Acetone	ND		49.9	55.0		ug/Kg		110	20 - 145	4	40
Benzene	ND		49.9	53.2		ug/Kg		107	65 - 130	6	20
Bromobenzene	ND		49.9	55.7		ug/Kg		112	65 - 140	5	25
Bromochloromethane	ND		49.9	53.9		ug/Kg		108	65 - 145	7	25
Bromodichloromethane	ND		49.9	50.2		ug/Kg		101	65 - 145	5	20
Bromoform	ND		49.9	51.9		ug/Kg		104	50 - 145	1	30
Bromomethane	ND		49.9	51.4		ug/Kg		103	60 - 155	6	25
Carbon tetrachloride	ND		49.9	51.6		ug/Kg		103	60 - 145	4	25
Chlorobenzene	ND		49.9	49.1		ug/Kg		98	70 - 130	1	25
Chloroethane	ND		49.9	52.6		ug/Kg		105	60 - 150	5	25
Chloroform	ND		49.9	48.9		ug/Kg		98	65 - 135	5	20
Chloromethane	ND		49.9	46.8		ug/Kg		94	40 - 145	4	25
cis-1,2-Dichloroethene	ND		49.9	53.0		ug/Kg		106	65 - 135	4	25
cis-1,3-Dichloropropene	ND		49.9	55.2		ug/Kg		111	70 - 135	0	25
Dibromochloromethane	ND		49.9	53.2		ug/Kg		107	60 - 145	1	25
Dibromomethane	ND		49.9	55.4		ug/Kg		111	65 - 140	6	25
Dichlorodifluoromethane	ND		49.9	43.3		ug/Kg		87	30 - 160	2	35
Ethylbenzene	ND		49.9	50.0		ug/Kg		100	70 - 135	2	25
Ethyl-t-butyl ether (ETBE)	ND		49.9	47.8		ug/Kg		96	60 - 145	6	30
Hexachlorobutadiene	ND		49.9	38.7		ug/Kg		78	50 - 145	2	35
Isopropyl Ether (DIPE)	ND		49.9	53.6		ug/Kg		107	60 - 150	7	25
Isopropylbenzene	ND		49.9	49.1		ug/Kg		98	70 - 145	1	25
m,p-Xylene	ND		49.9	52.2		ug/Kg		105	70 - 130	1	25
Methylene Chloride	ND		49.9	52.1		ug/Kg		104	55 - 145	4	25

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: 440-228549-A-8 MSD

Matrix: Solid

Analysis Batch: 520288

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl-t-Butyl Ether (MTBE)	ND		49.9	49.3		ug/Kg		99	55 - 155	6	35
Naphthalene	ND		49.9	41.1		ug/Kg		82	40 - 150	4	40
n-Butylbenzene	ND		49.9	44.3		ug/Kg		89	55 - 145	2	30
N-Propylbenzene	ND		49.9	50.2		ug/Kg		101	65 - 140	2	25
o-Xylene	ND		49.9	49.3		ug/Kg		99	65 - 130	0	25
p-Isopropyltoluene	ND		49.9	47.6		ug/Kg		95	60 - 140	1	25
sec-Butylbenzene	ND		49.9	46.6		ug/Kg		93	60 - 135	0	25
Styrene	ND		49.9	45.8		ug/Kg		92	70 - 140	2	25
Tert-amyl-methyl ether (TAME)	ND		49.9	47.8		ug/Kg		96	60 - 150	5	25
tert-Butyl alcohol (TBA)	ND		499	586		ug/Kg		117	65 - 145	2	30
tert-Butylbenzene	ND		49.9	46.6		ug/Kg		93	60 - 140	2	25
Tetrachloroethene	ND		49.9	57.6		ug/Kg		115	65 - 135	0	25
Toluene	ND		49.9	51.6		ug/Kg		103	70 - 130	1	20
trans-1,2-Dichloroethene	ND		49.9	57.4		ug/Kg		115	70 - 135	7	25
trans-1,3-Dichloropropene	ND		49.9	51.5		ug/Kg		103	60 - 145	3	25
Trichloroethene	ND		49.9	59.3		ug/Kg		119	65 - 140	10	25
Trichlorofluoromethane	ND		49.9	47.6		ug/Kg		95	55 - 155	5	25
Vinyl chloride	ND		49.9	52.8		ug/Kg		106	55 - 140	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		79 - 120
Dibromofluoromethane (Surr)	105		60 - 120
Toluene-d8 (Surr)	107		79 - 123

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-520289/4

Matrix: Solid

Analysis Batch: 520289

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		100	70	ug/Kg			01/02/19 09:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		60 - 120		01/02/19 09:13	1
4-Bromofluorobenzene (Surr)	112		79 - 120		01/02/19 09:13	1
Toluene-d8 (Surr)	115		79 - 123		01/02/19 09:13	1

Lab Sample ID: LCS 440-520289/6

Matrix: Solid

Analysis Batch: 520289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	1000	1230		ug/Kg		123	60 - 135

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: LCS 440-520289/6
Matrix: Solid
Analysis Batch: 520289

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	102		60 - 120
4-Bromofluorobenzene (Surr)	108		79 - 120
Toluene-d8 (Surr)	112		79 - 123

Lab Sample ID: 440-228549-A-8 MS
Matrix: Solid
Analysis Batch: 520289

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		3440	3030		ug/Kg		88	55 - 140
Surrogate	MS %Recovery	MS Qualifier							
Dibromofluoromethane (Surr)	100								
4-Bromofluorobenzene (Surr)	100								
Toluene-d8 (Surr)	107								

Lab Sample ID: 440-228549-A-8 MSD
Matrix: Solid
Analysis Batch: 520289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		3440	3100		ug/Kg		90	55 - 140	2	25
Surrogate	MSD %Recovery	MSD Qualifier									
Dibromofluoromethane (Surr)	105										
4-Bromofluorobenzene (Surr)	105										
Toluene-d8 (Surr)	107										

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

Lab Sample ID: MB 440-520197/1-A
Matrix: Solid
Analysis Batch: 520351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Acenaphthylene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Chrysene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Fluoranthene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: MB 440-520197/1-A
Matrix: Solid
Analysis Batch: 520351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Naphthalene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Phenanthrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1
Pyrene	ND		30	4.0	ug/Kg		12/31/18 13:48	01/02/19 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		29 - 120	12/31/18 13:48	01/02/19 12:40	1
Nitrobenzene-d5	86		11 - 118	12/31/18 13:48	01/02/19 12:40	1
Terphenyl-d14	93		10 - 120	12/31/18 13:48	01/02/19 12:40	1

Lab Sample ID: LCS 440-520197/2-A
Matrix: Solid
Analysis Batch: 520351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	66.7	57.5		ug/Kg		86	48 - 120
Acenaphthylene	66.7	53.0		ug/Kg		80	47 - 120
Anthracene	66.7	55.6		ug/Kg		83	46 - 120
Benzo[a]anthracene	66.7	56.0		ug/Kg		84	48 - 120
Benzo[a]pyrene	66.7	52.9		ug/Kg		79	48 - 120
Benzo[b]fluoranthene	66.7	54.3		ug/Kg		82	49 - 120
Benzo[g,h,i]perylene	66.7	57.3		ug/Kg		86	38 - 127
Benzo[k]fluoranthene	66.7	54.7		ug/Kg		82	48 - 120
Chrysene	66.7	56.8		ug/Kg		85	48 - 120
Dibenz(a,h)anthracene	66.7	56.6		ug/Kg		85	39 - 120
Fluoranthene	66.7	62.1		ug/Kg		93	46 - 120
Fluorene	66.7	66.7		ug/Kg		100	47 - 120
Indeno[1,2,3-cd]pyrene	66.7	56.4		ug/Kg		85	42 - 120
Naphthalene	66.7	56.9		ug/Kg		85	46 - 120
Phenanthrene	66.7	58.1		ug/Kg		87	47 - 120
Pyrene	66.7	63.4		ug/Kg		95	46 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	87		29 - 120
Nitrobenzene-d5	86		11 - 118
Terphenyl-d14	98		10 - 120

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-519893/1-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
4,4'-DDE	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 440-519893/1-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Aldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
alpha-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
beta-BHC	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Chlordane (technical)	ND		50	10	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
delta-BHC	ND		10	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Dieldrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan I	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan II	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endosulfan sulfate	ND		10	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin aldehyde	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Endrin ketone	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
gamma-BHC (Lindane)	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Heptachlor	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Heptachlor epoxide	ND		5.0	2.0	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Methoxychlor	ND		5.0	1.5	ug/Kg		12/28/18 14:58	12/29/18 13:32	1
Toxaphene	ND		200	50	ug/Kg		12/28/18 14:58	12/29/18 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		28 - 115	12/28/18 14:58	12/29/18 13:32	1
DCB Decachlorobiphenyl (Surr)	88		21 - 117	12/28/18 14:58	12/29/18 13:32	1

Lab Sample ID: LCS 440-519893/2-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	13.3	12.2		ug/Kg		91	59 - 118
4,4'-DDE	13.3	11.7		ug/Kg		88	55 - 115
4,4'-DDT	13.3	11.4		ug/Kg		85	60 - 131
Aldrin	13.3	11.0		ug/Kg		82	53 - 115
alpha-BHC	13.3	12.0		ug/Kg		90	57 - 115
beta-BHC	13.3	11.6		ug/Kg		87	58 - 115
delta-BHC	13.3	12.0		ug/Kg		90	52 - 115
Dieldrin	13.3	11.8		ug/Kg		88	57 - 115
Endosulfan I	13.3	11.8		ug/Kg		89	56 - 115
Endosulfan II	13.3	12.0		ug/Kg		90	60 - 117
Endosulfan sulfate	13.3	11.2		ug/Kg		84	60 - 115
Endrin	13.3	12.3		ug/Kg		92	61 - 120
Endrin aldehyde	13.3	9.96		ug/Kg		75	54 - 115
Endrin ketone	13.3	12.6		ug/Kg		94	54 - 119
gamma-BHC (Lindane)	13.3	11.8		ug/Kg		88	56 - 115
Heptachlor	13.3	11.5		ug/Kg		86	52 - 115
Heptachlor epoxide	13.3	11.8		ug/Kg		88	59 - 115
Methoxychlor	13.3	12.8		ug/Kg		96	60 - 133

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-519893/2-A
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519893

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	81		28 - 115
DCB Decachlorobiphenyl (Surr)	93		21 - 117

Lab Sample ID: 440-228639-A-75-A MS
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
4,4'-DDD	ND		13.2	7.15		ug/Kg		54	10 - 150		
4,4'-DDE	ND		13.2	8.17		ug/Kg		62	10 - 150		
4,4'-DDT	ND		13.2	5.26		ug/Kg		40	13 - 141		
Aldrin	ND	F2	13.2	3.62	J p	ug/Kg		27	10 - 150		
alpha-BHC	ND		13.2	1.68	J	ug/Kg		13	12 - 125		
beta-BHC	ND		13.2	5.70		ug/Kg		43	10 - 150		
delta-BHC	ND	F1	13.2	ND	F1	ug/Kg		0	12 - 130		
Dieldrin	ND		13.2	7.01		ug/Kg		53	10 - 150		
Endosulfan I	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150		
Endosulfan II	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150		
Endosulfan sulfate	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150		
Endrin	ND		13.2	7.24		ug/Kg		55	10 - 150		
Endrin aldehyde	ND		13.2	2.64	J	ug/Kg		20	10 - 131		
Endrin ketone	ND		13.2	3.28	J	ug/Kg		25	10 - 134		
gamma-BHC (Lindane)	ND	F1	13.2	ND	F1	ug/Kg		0	20 - 119		
Heptachlor	ND	F1	13.2	ND	F1	ug/Kg		0	10 - 150		
Heptachlor epoxide	ND		13.2	7.16		ug/Kg		54	10 - 150		
Methoxychlor	ND		13.2	2.73	J	ug/Kg		21	10 - 150		

Surrogate	MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	52		28 - 115
DCB Decachlorobiphenyl (Surr)	50		21 - 117

Lab Sample ID: 440-228639-A-75-B MSD
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
4,4'-DDD	ND		13.3	6.49		ug/Kg		49	10 - 150	10	26
4,4'-DDE	ND		13.3	7.60		ug/Kg		57	10 - 150	7	40
4,4'-DDT	ND		13.3	4.85	J	ug/Kg		36	13 - 141	8	26
Aldrin	ND	F2	13.3	6.74	F2	ug/Kg		51	10 - 150	60	26
alpha-BHC	ND		13.3	1.57	J	ug/Kg		12	12 - 125	7	18
beta-BHC	ND		13.3	5.43		ug/Kg		41	10 - 150	5	33
delta-BHC	ND	F1	13.3	ND	F1	ug/Kg		0	12 - 130	NC	35
Dieldrin	ND		13.3	6.49		ug/Kg		49	10 - 150	8	28
Endosulfan I	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	32
Endosulfan II	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	25
Endosulfan sulfate	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	35
Endrin	ND		13.3	6.70		ug/Kg		50	10 - 150	8	27

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-228639-A-75-B MSD
Matrix: Solid
Analysis Batch: 519989

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519893

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Endrin aldehyde	ND		13.3	2.45	J	ug/Kg		18	10 - 131	7	33
Endrin ketone	ND		13.3	3.17	J	ug/Kg		24	10 - 134	3	40
gamma-BHC (Lindane)	ND	F1	13.3	ND	F1	ug/Kg		0	20 - 119	NC	24
Heptachlor	ND	F1	13.3	ND	F1	ug/Kg		0	10 - 150	NC	28
Heptachlor epoxide	ND		13.3	6.78		ug/Kg		51	10 - 150	5	25
Methoxychlor	ND		13.3	2.51	J	ug/Kg		19	10 - 150	9	34
Surrogate	MSD	MSD	Limits								
Tetrachloro-m-xylene	48		28 - 115								
DCB Decachlorobiphenyl (Surr)	46		21 - 117								

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

Lab Sample ID: MB 440-519899/1-A
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519899

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1221	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1232	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1242	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1248	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1254	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Aroclor 1260	ND		50	17	ug/Kg		12/28/18 15:19	12/31/18 12:32	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	93		45 - 120				12/28/18 15:19	12/31/18 12:32	1

Lab Sample ID: LCS 440-519899/2-A
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519899

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Aroclor 1016	267	229		ug/Kg		86	65 - 115	
Aroclor 1260	267	239		ug/Kg		90	65 - 115	
Surrogate	LCS	LCS	Limits					
DCB Decachlorobiphenyl (Surr)	92		45 - 120					

Lab Sample ID: 440-228716-A-7-A MS
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519899

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Aroclor 1016	ND		266	183		ug/Kg		69	50 - 120	
Aroclor 1260	ND		266	198		ug/Kg		74	50 - 125	

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: 440-228716-A-7-A MS
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519899

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	71		45 - 120

Lab Sample ID: 440-228716-A-7-B MSD
Matrix: Solid
Analysis Batch: 520156

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
Aroclor 1016	ND		265	186		ug/Kg		70	50 - 120	1	30
Aroclor 1260	ND		265	199		ug/Kg		75	50 - 125	0	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	71		45 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-520129/1-A ^5
Matrix: Solid
Analysis Batch: 520423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520129

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		9.9	4.9	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Arsenic	ND		3.0	1.5	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Barium	ND		1.5	0.74	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Beryllium	ND		0.49	0.25	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Cadmium	ND		0.49	0.25	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Chromium	ND		0.99	0.49	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Cobalt	ND		0.99	0.49	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Copper	ND		2.0	1.1	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Lead	ND		2.0	0.99	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Molybdenum	ND		2.0	0.99	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Nickel	ND		2.0	0.99	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Selenium	ND		3.0	1.7	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Silver	ND		1.5	0.88	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Thallium	ND		9.9	4.9	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Vanadium	ND		0.99	0.49	mg/Kg		12/31/18 08:39	01/02/19 13:49	5
Zinc	ND		4.9	2.5	mg/Kg		12/31/18 08:39	01/02/19 13:49	5

Lab Sample ID: LCS 440-520129/2-A ^5
Matrix: Solid
Analysis Batch: 520423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Antimony	49.8	50.0		mg/Kg		100	80 - 120
Arsenic	49.8	49.2		mg/Kg		99	80 - 120
Barium	49.8	49.1		mg/Kg		99	80 - 120
Beryllium	49.8	48.0		mg/Kg		96	80 - 120
Cadmium	49.8	48.7		mg/Kg		98	80 - 120
Chromium	49.8	49.4		mg/Kg		99	80 - 120

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: LCS 440-520129/2-A ^5
Matrix: Solid
Analysis Batch: 520423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cobalt	49.8	49.4		mg/Kg		99	80 - 120
Copper	49.8	49.4		mg/Kg		99	80 - 120
Lead	49.8	49.2		mg/Kg		99	80 - 120
Molybdenum	49.8	49.7		mg/Kg		100	80 - 120
Nickel	49.8	49.3		mg/Kg		99	80 - 120
Selenium	49.8	45.4		mg/Kg		91	80 - 120
Silver	24.9	24.3		mg/Kg		98	80 - 120
Thallium	49.8	48.3		mg/Kg		97	80 - 120
Vanadium	49.8	48.7		mg/Kg		98	80 - 120
Zinc	49.8	48.4		mg/Kg		97	80 - 120

Lab Sample ID: 440-228715-1 MS
Matrix: Solid
Analysis Batch: 520423

Client Sample ID: Disposal
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.5	29.9	F1	mg/Kg		60	75 - 125
Arsenic	4.4		49.5	51.0		mg/Kg		94	75 - 125
Barium	120	F1	49.5	163		mg/Kg		96	75 - 125
Beryllium	0.35	J	49.5	47.9		mg/Kg		96	75 - 125
Cadmium	0.33	J	49.5	46.7		mg/Kg		94	75 - 125
Chromium	21		49.5	69.3		mg/Kg		98	75 - 125
Cobalt	8.3		49.5	53.8		mg/Kg		92	75 - 125
Copper	20		49.5	67.4		mg/Kg		96	75 - 125
Lead	28	F1 F2	49.5	95.3	F1	mg/Kg		137	75 - 125
Molybdenum	ND		49.5	48.1		mg/Kg		97	75 - 125
Nickel	14		49.5	58.3		mg/Kg		90	75 - 125
Selenium	ND		49.5	45.7		mg/Kg		92	75 - 125
Silver	ND		24.8	23.7		mg/Kg		96	75 - 125
Thallium	ND		49.5	45.3		mg/Kg		91	75 - 125
Vanadium	40		49.5	90.8		mg/Kg		103	75 - 125
Zinc	70	F1	49.5	115		mg/Kg		91	75 - 125

Lab Sample ID: 440-228715-1 MSD
Matrix: Solid
Analysis Batch: 520423

Client Sample ID: Disposal
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	50.0	33.5	F1	mg/Kg		67	75 - 125	11	20
Arsenic	4.4		50.0	50.8		mg/Kg		93	75 - 125	1	20
Barium	120	F1	50.0	136	F1	mg/Kg		41	75 - 125	18	20
Beryllium	0.35	J	50.0	48.4		mg/Kg		96	75 - 125	1	20
Cadmium	0.33	J	50.0	47.6		mg/Kg		95	75 - 125	2	20
Chromium	21		50.0	64.8		mg/Kg		88	75 - 125	7	20
Cobalt	8.3		50.0	53.0		mg/Kg		89	75 - 125	1	20
Copper	20		50.0	63.2		mg/Kg		86	75 - 125	6	20
Lead	28	F1 F2	50.0	69.0	F2	mg/Kg		83	75 - 125	32	20
Molybdenum	ND		50.0	48.7		mg/Kg		97	75 - 125	1	20
Nickel	14		50.0	55.9		mg/Kg		84	75 - 125	4	20

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

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

Lab Sample ID: 440-228715-1 MSD
Matrix: Solid
Analysis Batch: 520423

Client Sample ID: Disposal
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		
				Result	Qualifier				Limits	RPD	Limit
Selenium	ND		50.0	46.2		mg/Kg		92	75 - 125	1	20
Silver	ND		25.0	24.1		mg/Kg		96	75 - 125	1	20
Thallium	ND		50.0	46.1		mg/Kg		92	75 - 125	2	20
Vanadium	40		50.0	84.3		mg/Kg		89	75 - 125	7	20
Zinc	70	F1	50.0	99.6	F1	mg/Kg		59	75 - 125	14	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 440-520129/1-A ^20
Matrix: Solid
Analysis Batch: 520259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520129

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.49	0.25	mg/Kg		12/31/18 08:39	12/31/18 18:52	20

Lab Sample ID: LCS 440-520129/2-A ^20
Matrix: Solid
Analysis Batch: 520259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Arsenic	49.8	43.7		mg/Kg		88	80 - 120	

Lab Sample ID: 440-228715-1 MS
Matrix: Solid
Analysis Batch: 520259

Client Sample ID: Disposal
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	
Arsenic	3.4		49.5	52.2		mg/Kg		99	80 - 120	

Lab Sample ID: 440-228715-1 MSD
Matrix: Solid
Analysis Batch: 520259

Client Sample ID: Disposal
Prep Type: Total/NA
Prep Batch: 520129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		
				Result	Qualifier				Limits	RPD	Limit
Arsenic	3.4		50.0	44.8		mg/Kg		83	80 - 120	15	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-519710/1-A
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519710

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.020	0.012	mg/Kg		12/27/18 21:07	12/28/18 19:49	1

TestAmerica Irvine

QC Sample Results

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 440-519710/2-A
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.800	0.794		mg/Kg		99	80 - 120

Lab Sample ID: 440-228239-C-2-H MS
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 519710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.021		0.800	0.640		mg/Kg		77	75 - 125

Lab Sample ID: 440-228239-C-2-I MSD
Matrix: Solid
Analysis Batch: 519955

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 519710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.021		0.800	0.657		mg/Kg		79	75 - 125	3	20

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

GC/MS VOA

Prep Batch: 519832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	5035	

Analysis Batch: 520288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	8260B	519832
MB 440-520288/4	Method Blank	Total/NA	Solid	8260B	
LCS 440-520288/5	Lab Control Sample	Total/NA	Solid	8260B	
440-228549-A-8 MS	Matrix Spike	Total/NA	Solid	8260B	
440-228549-A-8 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	

Analysis Batch: 520289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	8260B/CA_LUFT MS	519832
MB 440-520289/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 440-520289/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
440-228549-A-8 MS	Matrix Spike	Total/NA	Solid	8260B/CA_LUFT MS	
440-228549-A-8 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 520197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	3546	
MB 440-520197/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-520197/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 520351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	8270C SIM	520197
MB 440-520197/1-A	Method Blank	Total/NA	Solid	8270C SIM	520197
LCS 440-520197/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	520197

GC Semi VOA

Prep Batch: 519893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	3546	
MB 440-519893/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-519893/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228639-A-75-A MS	Matrix Spike	Total/NA	Solid	3546	
440-228639-A-75-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 519899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	3546	
MB 440-519899/1-A	Method Blank	Total/NA	Solid	3546	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

GC Semi VOA (Continued)

Prep Batch: 519899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-519899/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-228716-A-7-A MS	Matrix Spike	Total/NA	Solid	3546	
440-228716-A-7-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 519989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	8081A	519893
MB 440-519893/1-A	Method Blank	Total/NA	Solid	8081A	519893
LCS 440-519893/2-A	Lab Control Sample	Total/NA	Solid	8081A	519893
440-228639-A-75-A MS	Matrix Spike	Total/NA	Solid	8081A	519893
440-228639-A-75-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081A	519893

Analysis Batch: 520156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	8082	519899
MB 440-519899/1-A	Method Blank	Total/NA	Solid	8082	519899
LCS 440-519899/2-A	Lab Control Sample	Total/NA	Solid	8082	519899
440-228716-A-7-A MS	Matrix Spike	Total/NA	Solid	8082	519899
440-228716-A-7-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	519899

Metals

Prep Batch: 519710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	7471A	
MB 440-519710/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-519710/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-228239-C-2-H MS	Matrix Spike	Total/NA	Solid	7471A	
440-228239-C-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 519955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	7471A	519710
MB 440-519710/1-A	Method Blank	Total/NA	Solid	7471A	519710
LCS 440-519710/2-A	Lab Control Sample	Total/NA	Solid	7471A	519710
440-228239-C-2-H MS	Matrix Spike	Total/NA	Solid	7471A	519710
440-228239-C-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	519710

Prep Batch: 520129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	3050B	
MB 440-520129/1-A ^20	Method Blank	Total/NA	Solid	3050B	
MB 440-520129/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-520129/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCS 440-520129/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-228715-1 MS	Disposal	Total/NA	Solid	3050B	
440-228715-1 MSD	Disposal	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Metals (Continued)

Analysis Batch: 520259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	6020	520129
MB 440-520129/1-A ^20	Method Blank	Total/NA	Solid	6020	520129
LCS 440-520129/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	520129
440-228715-1 MS	Disposal	Total/NA	Solid	6020	520129
440-228715-1 MSD	Disposal	Total/NA	Solid	6020	520129

Analysis Batch: 520423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-228715-1	Disposal	Total/NA	Solid	6010B	520129
MB 440-520129/1-A ^5	Method Blank	Total/NA	Solid	6010B	520129
LCS 440-520129/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	520129
440-228715-1 MS	Disposal	Total/NA	Solid	6010B	520129
440-228715-1 MSD	Disposal	Total/NA	Solid	6010B	520129

Definitions/Glossary

Client: Wayne Perry, Inc.
Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Accreditation/Certification Summary

Client: Wayne Perry, Inc.
 Project/Site: LAUSD Soil - Task 3

TestAmerica Job ID: 440-228715-1

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

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

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	Ethyl-t-butyl ether (ETBE)
8260B	5035	Solid	Isopropyl Ether (DIPE)
8260B	5035	Solid	m,p-Xylene
8260B	5035	Solid	Tert-amyl-methyl ether (TAME)
8260B	5035	Solid	Xylenes, Total
8270C SIM	3546	Solid	Acenaphthene
8270C SIM	3546	Solid	Acenaphthylene
8270C SIM	3546	Solid	Anthracene
8270C SIM	3546	Solid	Benzo[a]anthracene
8270C SIM	3546	Solid	Benzo[a]pyrene
8270C SIM	3546	Solid	Benzo[b]fluoranthene
8270C SIM	3546	Solid	Benzo[g,h,i]perylene
8270C SIM	3546	Solid	Benzo[k]fluoranthene
8270C SIM	3546	Solid	Chrysene
8270C SIM	3546	Solid	Dibenz(a,h)anthracene
8270C SIM	3546	Solid	Fluoranthene
8270C SIM	3546	Solid	Fluorene
8270C SIM	3546	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3546	Solid	Naphthalene
8270C SIM	3546	Solid	Phenanthrene
8270C SIM	3546	Solid	Pyrene



- 1
- 2
- 3
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- 12
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- 14

Report for:

Ms. Urvashi Patel
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-228715-1
 EML ID: 2067556

Approved by:

Approved Signatory
 Danny Li

REVISED REPORT

Dates of Analysis:
 Asbestos PLM: 03-28-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



EMLab P&K

17461 Derian Ave, Suite 100, Irvine, CA 92614
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Irvine
C/O: Ms. Urvashi Patel
Re: 440-228715-1

Date of Sampling: 12-26-2018
Date of Receipt: 12-27-2018
Date of Report: 01-02-2019

ASBESTOS PLM REPORT

Total Samples Submitted: 1
Total Samples Analyzed: 1
Total Samples with Layer Asbestos Content > 1%: 0

Location: Disposal (440-228715-1)

Lab ID-Version‡: 9767598-4

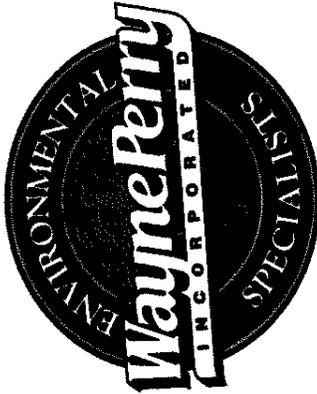
Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Moderate	

Comments: Due to the nature of the soil/rock sample, it was not possible to create proper slide mounts. Results should be considered minimum, and it is recommended that the sample be further analyzed using the CARB 435 method, which would be more appropriate to the sample type. Sample version number change due to; Report revised for addition/update to sample comment.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



WAYNE PERRY, INC.
 8281 Commonwealth Avenue, Buena Park California 90621
 (714) 826-0352 office (800) 883-0351 toll free (714) 523-7541 fax

1 of 1

CHAIN OF CUSTODY RECORD

Client: Ascot Avenue Elementary School
 Site Address: 1447 East 45th Street, Los Angeles, CA
 WPI Job Number: 180618
 Laboratory: TestAmerica
 Sampled By: Robert Deamer
 Result Turnaround: 3-Day
 WPI Contact: RDeamer@wpinc.com, JJacobs@wpinc.com, CFarrell@wpinc.com, TFahudy@wpinc.com

Additional Instructions:
 Quote No. 44021693
 EDD Required
 Follow DTSC composite sampling protocol wherever
 composites are requested.

Sample Name	Sampling Date	Sampling Time	Matrix	No. of Cont.	Arsenic by EPA Method 6020	Lead by EPA Method 6010B	CAM 17 Metals by EPA 6010B/7471A	PCBs by EPA Method 8082	PAHs by EPA Method 8270 SIM	OCPs by EPA Method 8081	Asbestos by PLM	Comments
1 Disposed	12/26/18	1310	soil	4	X	X	X	X	X	X	X	X TPH, VOC (full scan) 64 EPA method 8260B
2												
3												
4												
5												
6												
7												
8												
9												
10												

Relinquished By: *[Signature]* Received By: *[Signature]* Date: 12/26/18 Time: 1610
 Relinquished By: *[Signature]* Received By: *[Signature]* Date: 12/27/18 Time: 0915

TH 10W 12/27/18 0949
 TH 12V 12/27/18 0949
 4.8/5.0 IR 94



Login Sample Receipt Checklist

Client: Wayne Perry, Inc.

Job Number: 440-228715-1

Login Number: 228715

List Number: 1

Creator: Soderblom, Tim

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

WASTE MANIFESTS

NO. 746048

NON-HAZARDOUS WASTE DATA FORM

BESI # 303276

GENERATOR	Generator's Name and Mailing Address L.A.U.S.D. - DEHS ATTN: SAMANTHA HAN 333 S. BEAUDRY AVE., 21ST FLOOR LOS ANGELES, CA 90017		Generator's Site Address (if different than mailing address) LAUSD - ASCOT AVENUE ELEMENTARY SCHOOL 1447 E. 45TH ST. LOS ANGELES, CA 90011	
	Generator's Phone: 213-241-3199			
	Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____	
	Quantity 002		Quantity 1 Volume 47 Gallons	
WASTE DESCRIPTION <u>NON-HAZARDOUS WASTE LIQUIDS</u>		GENERATING PROCESS <u>DECON WATER</u>		
COMPONENTS OF WASTE		COMPONENTS OF WASTE		
1. WATER PPM % 85-100%		3. SOLIDS PPM % 0-5%		
2. TPH PPM % < 1%		4. _____		
Waste Profile _____		PROPERTIES: pH 7-11 <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____		
HANDLING INSTRUCTIONS: _____				
Generator Printed/Typed Name CRISTI FARRELL/WPI as agent for LAUSD		Signature 	Month Day Year 02/25/19	
The Generator certifies that the waste as described is 100% non-hazardous				
TRANSPORTER	Transporter 1 Company Name BELSHIRE		Phone# 949-460-6200	
	Transporter 1 Printed/Typed Name Thomas Buel		Signature 	Month Day Year 02/25/19
	Transporter Acknowledgment of Receipt of Materials			
	Transporter 2 Company Name NIETO & SONS TRUCKING, INC.		Phone# 714-990-6855	
Transporter 2 Printed/Typed Name Jeff Wyrick		Signature 	Month Day Year 03/18/19	
Transporter Acknowledgment of Receipt of Materials				
RECEIVING FACILITY	Designated Facility Name and Site Address DEMENNO KERDOON 2000 N. ALAMEDA ST. COMPTON, CA 90222		Phone# 310-637-7100	
	Printed/Typed Name SOPHIE R. SVAY		Signature 	Month Day Year 03/08/19
	Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.			

1447E45T

2009853

APPENDIX F

PROUCL CALCULATION SPREADSHEETS

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.13/26/2019 4:34:35 PM									
5	From File		North Only Lead Data - ProUCL.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C0											
12												
13	General Statistics											
14	Total Number of Observations				69		Number of Distinct Observations				57	
15							Number of Missing Observations				0	
16	Minimum				1.9		Mean				43.43	
17	Maximum				320		Median				28	
18	SD				53.76		Std. Error of Mean				6.472	
19	Coefficient of Variation				1.238		Skewness				2.76	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.719		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value				0		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.221		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.107		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				54.22		95% Adjusted-CLT UCL (Chen-1995)				56.37	
31							95% Modified-t UCL (Johnson-1978)				54.58	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				0.527		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.786		Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.084		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.111		Detected data appear Gamma Distributed at 5% Significance Level					
38	Detected data appear Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				0.888		k star (bias corrected MLE)				0.859	
42	Theta hat (MLE)				48.88		Theta star (bias corrected MLE)				50.53	
43	nu hat (MLE)				122.6		nu star (bias corrected)				118.6	
44	MLE Mean (bias corrected)				43.43		MLE Sd (bias corrected)				46.84	
45							Approximate Chi Square Value (0.05)				94.46	
46	Adjusted Level of Significance				0.0465		Adjusted Chi Square Value				94.01	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				54.53		95% Adjusted Gamma UCL (use when n<50)				54.8	
50												

	A	B	C	D	E	F	G	H	I	J	K	L		
51	Lognormal GOF Test													
52	Shapiro Wilk Test Statistic				0.964		Shapiro Wilk Lognormal GOF Test							
53	5% Shapiro Wilk P Value				0.127		Data appear Lognormal at 5% Significance Level							
54	Lilliefors Test Statistic				0.0975		Lilliefors Lognormal GOF Test							
55	5% Lilliefors Critical Value				0.107		Data appear Lognormal at 5% Significance Level							
56	Data appear Lognormal at 5% Significance Level													
57														
58	Lognormal Statistics													
59	Minimum of Logged Data				0.642		Mean of logged Data				3.112			
60	Maximum of Logged Data				5.768		SD of logged Data				1.242			
61														
62	Assuming Lognormal Distribution													
63	95% H-UCL				66.65		90% Chebyshev (MVUE) UCL				74.76			
64	95% Chebyshev (MVUE) UCL				87.05		97.5% Chebyshev (MVUE) UCL				104.1			
65	99% Chebyshev (MVUE) UCL				137.6									
66														
67	Nonparametric Distribution Free UCL Statistics													
68	Data appear to follow a Discernible Distribution at 5% Significance Level													
69														
70	Nonparametric Distribution Free UCLs													
71	95% CLT UCL				54.07		95% Jackknife UCL				54.22			
72	95% Standard Bootstrap UCL				54.23		95% Bootstrap-t UCL				58.22			
73	95% Hall's Bootstrap UCL				59.94		95% Percentile Bootstrap UCL				54.85			
74	95% BCA Bootstrap UCL				57.52									
75	90% Chebyshev(Mean, Sd) UCL				62.84		95% Chebyshev(Mean, Sd) UCL				71.64			
76	97.5% Chebyshev(Mean, Sd) UCL				83.85		99% Chebyshev(Mean, Sd) UCL				107.8			
77														
78	Suggested UCL to Use													
79	95% Approximate Gamma UCL				54.53									
80														
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.													
82	Recommendations are based upon data size, data distribution, and skewness.													
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).													
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.													
85														

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.13/15/2019 9:27:00 PM									
5	From File		Pre-Excavation Arsenic - ProUCL Calcs.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C0											
12												
13	General Statistics											
14	Total Number of Observations				107		Number of Distinct Observations				41	
15							Number of Missing Observations				0	
16	Minimum				0.8		Mean				2.719	
17	Maximum				14		Median				2.2	
18	SD				2.057		Std. Error of Mean				0.199	
19	Coefficient of Variation				0.757		Skewness				3.166	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.688		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value				0		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.186		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.0859		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				3.049		95% Adjusted-CLT UCL (Chen-1995)				3.111	
31							95% Modified-t UCL (Johnson-1978)				3.059	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				2.412		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.759		Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.0963		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.0882		Data Not Gamma Distributed at 5% Significance Level					
38	Data Not Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				3.028		k star (bias corrected MLE)				2.95	
42	Theta hat (MLE)				0.898		Theta star (bias corrected MLE)				0.922	
43	nu hat (MLE)				648.1		nu star (bias corrected)				631.2	
44	MLE Mean (bias corrected)				2.719		MLE Sd (bias corrected)				1.583	
45							Approximate Chi Square Value (0.05)				573.9	
46	Adjusted Level of Significance				0.0478		Adjusted Chi Square Value				573.2	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				2.99		95% Adjusted Gamma UCL (use when n<50)				2.994	
50												

	A	B	C	D	E	F	G	H	I	J	K	L		
51	Lognormal GOF Test													
52	Shapiro Wilk Test Statistic				0.952		Shapiro Wilk Lognormal GOF Test							
53	5% Shapiro Wilk P Value				0.00298		Data Not Lognormal at 5% Significance Level							
54	Lilliefors Test Statistic				0.0788		Lilliefors Lognormal GOF Test							
55	5% Lilliefors Critical Value				0.0859		Data appear Lognormal at 5% Significance Level							
56	Data appear Approximate Lognormal at 5% Significance Level													
57														
58	Lognormal Statistics													
59	Minimum of Logged Data				-0.223		Mean of logged Data				0.826			
60	Maximum of Logged Data				2.639		SD of logged Data				0.55			
61														
62	Assuming Lognormal Distribution													
63	95% H-UCL				2.936		90% Chebyshev (MVUE) UCL				3.105			
64	95% Chebyshev (MVUE) UCL				3.31		97.5% Chebyshev (MVUE) UCL				3.594			
65	99% Chebyshev (MVUE) UCL				4.151									
66														
67	Nonparametric Distribution Free UCL Statistics													
68	Data appear to follow a Discernible Distribution at 5% Significance Level													
69														
70	Nonparametric Distribution Free UCLs													
71	95% CLT UCL				3.046		95% Jackknife UCL				3.049			
72	95% Standard Bootstrap UCL				3.054		95% Bootstrap-t UCL				3.174			
73	95% Hall's Bootstrap UCL				3.18		95% Percentile Bootstrap UCL				3.063			
74	95% BCA Bootstrap UCL				3.129									
75	90% Chebyshev(Mean, Sd) UCL				3.315		95% Chebyshev(Mean, Sd) UCL				3.586			
76	97.5% Chebyshev(Mean, Sd) UCL				3.961		99% Chebyshev(Mean, Sd) UCL				4.697			
77														
78	Suggested UCL to Use													
79	95% H-UCL				2.936									
80														
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.													
82	Recommendations are based upon data size, data distribution, and skewness.													
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).													
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.													
85														
86	ProUCL computes and outputs H-statistic based UCLs for historical reasons only.													
87	H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.													
88	It is therefore recommended to avoid the use of H-statistic based 95% UCLs.													
89	Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.													
90														

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.13/15/2019 8:47:05 PM									
5	From File		Post-Excavation Arsenic - ProUCL Calcs.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C0											
12												
13	General Statistics											
14	Total Number of Observations				62		Number of Distinct Observations				34	
15							Number of Missing Observations				0	
16	Minimum				0.96		Mean				2.786	
17	Maximum				12		Median				2.2	
18	SD				2.074		Std. Error of Mean				0.263	
19	Coefficient of Variation				0.744		Skewness				2.641	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.714		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value				9.992E-16		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.209		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.112		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				3.226		95% Adjusted-CLT UCL (Chen-1995)				3.314	
31							95% Modified-t UCL (Johnson-1978)				3.241	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				1.691		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.758		Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.118		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.114		Data Not Gamma Distributed at 5% Significance Level					
38	Data Not Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				2.964		k star (bias corrected MLE)				2.831	
42	Theta hat (MLE)				0.94		Theta star (bias corrected MLE)				0.984	
43	nu hat (MLE)				367.5		nu star (bias corrected)				351	
44	MLE Mean (bias corrected)				2.786		MLE Sd (bias corrected)				1.656	
45							Approximate Chi Square Value (0.05)				308.6	
46	Adjusted Level of Significance				0.0461		Adjusted Chi Square Value				307.7	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				3.169		95% Adjusted Gamma UCL (use when n<50)				3.179	
50												

	A	B	C	D	E	F	G	H	I	J	K	L
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic					0.944	Shapiro Wilk Lognormal GOF Test					
53	5% Shapiro Wilk P Value					0.0128	Data Not Lognormal at 5% Significance Level					
54	Lilliefors Test Statistic					0.0742	Lilliefors Lognormal GOF Test					
55	5% Lilliefors Critical Value					0.112	Data appear Lognormal at 5% Significance Level					
56	Data appear Approximate Lognormal at 5% Significance Level											
57												
58	Lognormal Statistics											
59	Minimum of Logged Data					-0.0408	Mean of logged Data					0.847
60	Maximum of Logged Data					2.485	SD of logged Data					0.56
61												
62	Assuming Lognormal Distribution											
63	95% H-UCL					3.127	90% Chebyshev (MVUE) UCL					3.339
64	95% Chebyshev (MVUE) UCL					3.619	97.5% Chebyshev (MVUE) UCL					4.008
65	99% Chebyshev (MVUE) UCL					4.771						
66												
67	Nonparametric Distribution Free UCL Statistics											
68	Data appear to follow a Discernible Distribution at 5% Significance Level											
69												
70	Nonparametric Distribution Free UCLs											
71	95% CLT UCL					3.22	95% Jackknife UCL					3.226
72	95% Standard Bootstrap UCL					3.214	95% Bootstrap-t UCL					3.374
73	95% Hall's Bootstrap UCL					3.332	95% Percentile Bootstrap UCL					3.241
74	95% BCA Bootstrap UCL					3.313						
75	90% Chebyshev(Mean, Sd) UCL					3.577	95% Chebyshev(Mean, Sd) UCL					3.935
76	97.5% Chebyshev(Mean, Sd) UCL					4.432	99% Chebyshev(Mean, Sd) UCL					5.408
77												
78	Suggested UCL to Use											
79	95% H-UCL					3.127						
80												
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
82	Recommendations are based upon data size, data distribution, and skewness.											
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
85												
86	ProUCL computes and outputs H-statistic based UCLs for historical reasons only.											
87	H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.											
88	It is therefore recommended to avoid the use of H-statistic based 95% UCLs.											
89	Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.											
90												

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.13/15/2019 9:29:37 PM									
5	From File		Pre-Excavation Lead - ProUCL Calcs.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C0											
12												
13	General Statistics											
14	Total Number of Observations				182		Number of Distinct Observations				112	
15							Number of Missing Observations				0	
16	Minimum				1.2		Mean				63.48	
17	Maximum				810		Median				35	
18	SD				90.07		Std. Error of Mean				6.676	
19	Coefficient of Variation				1.419		Skewness				4.017	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.669		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value				0		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.245		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.0661		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				74.52		95% Adjusted-CLT UCL (Chen-1995)				76.59	
31							95% Modified-t UCL (Johnson-1978)				74.85	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				1.46		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.804		Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.0757		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.0714		Data Not Gamma Distributed at 5% Significance Level					
38	Data Not Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				0.673		k star (bias corrected MLE)				0.666	
42	Theta hat (MLE)				94.33		Theta star (bias corrected MLE)				95.39	
43	nu hat (MLE)				245		nu star (bias corrected)				242.3	
44	MLE Mean (bias corrected)				63.48		MLE Sd (bias corrected)				77.82	
45							Approximate Chi Square Value (0.05)				207.2	
46	Adjusted Level of Significance				0.0487		Adjusted Chi Square Value				207	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				74.22		95% Adjusted Gamma UCL (use when n<50)				74.31	
50												

	A	B	C	D	E	F	G	H	I	J	K	L		
51	Lognormal GOF Test													
52	Shapiro Wilk Test Statistic				0.932		Shapiro Wilk Lognormal GOF Test							
53	5% Shapiro Wilk P Value				2.425E-10		Data Not Lognormal at 5% Significance Level							
54	Lilliefors Test Statistic				0.103		Lilliefors Lognormal GOF Test							
55	5% Lilliefors Critical Value				0.0661		Data Not Lognormal at 5% Significance Level							
56	Data Not Lognormal at 5% Significance Level													
57														
58	Lognormal Statistics													
59	Minimum of Logged Data				0.182		Mean of logged Data				3.248			
60	Maximum of Logged Data				6.697		SD of logged Data				1.53			
61														
62	Assuming Lognormal Distribution													
63	95% H-UCL				112.5		90% Chebyshev (MVUE) UCL				121.5			
64	95% Chebyshev (MVUE) UCL				139.5		97.5% Chebyshev (MVUE) UCL				164.5			
65	99% Chebyshev (MVUE) UCL				213.7									
66														
67	Nonparametric Distribution Free UCL Statistics													
68	Data do not follow a Discernible Distribution (0.05)													
69														
70	Nonparametric Distribution Free UCLs													
71	95% CLT UCL				74.46		95% Jackknife UCL				74.52			
72	95% Standard Bootstrap UCL				74.26		95% Bootstrap-t UCL				77.19			
73	95% Hall's Bootstrap UCL				78.72		95% Percentile Bootstrap UCL				74.48			
74	95% BCA Bootstrap UCL				76.59									
75	90% Chebyshev(Mean, Sd) UCL				83.51		95% Chebyshev(Mean, Sd) UCL				92.58			
76	97.5% Chebyshev(Mean, Sd) UCL				105.2		99% Chebyshev(Mean, Sd) UCL				129.9			
77														
78	Suggested UCL to Use													
79	95% Chebyshev (Mean, Sd) UCL				92.58									
80														
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.													
82	Recommendations are based upon data size, data distribution, and skewness.													
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).													
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.													
85														

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.13/12/2019 3:54:40 PM									
5	From File		Post-Excavation Lead - ProUCL Calcs.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C0											
12												
13	General Statistics											
14	Total Number of Observations				140		Number of Distinct Observations				96	
15							Number of Missing Observations				0	
16	Minimum				1.2		Mean				40.37	
17	Maximum				320		Median				27	
18	SD				48.84		Std. Error of Mean				4.128	
19	Coefficient of Variation				1.21		Skewness				2.441	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.76		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value				0		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.211		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.0753		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				47.21		95% Adjusted-CLT UCL (Chen-1995)				48.07	
31							95% Modified-t UCL (Johnson-1978)				47.35	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				1.564		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.795		Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.097		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.0822		Data Not Gamma Distributed at 5% Significance Level					
38	Data Not Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				0.754		k star (bias corrected MLE)				0.742	
42	Theta hat (MLE)				53.57		Theta star (bias corrected MLE)				54.39	
43	nu hat (MLE)				211		nu star (bias corrected)				207.8	
44	MLE Mean (bias corrected)				40.37		MLE Sd (bias corrected)				46.86	
45							Approximate Chi Square Value (0.05)				175.5	
46	Adjusted Level of Significance				0.0483		Adjusted Chi Square Value				175.2	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				47.82		95% Adjusted Gamma UCL (use when n<50)				47.9	
50												

	A	B	C	D	E	F	G	H	I	J	K	L		
51	Lognormal GOF Test													
52	Shapiro Wilk Test Statistic				0.923		Shapiro Wilk Lognormal GOF Test							
53	5% Shapiro Wilk P Value				3.6533E-9		Data Not Lognormal at 5% Significance Level							
54	Lilliefors Test Statistic				0.115		Lilliefors Lognormal GOF Test							
55	5% Lilliefors Critical Value				0.0753		Data Not Lognormal at 5% Significance Level							
56	Data Not Lognormal at 5% Significance Level													
57														
58	Lognormal Statistics													
59	Minimum of Logged Data				0.182		Mean of logged Data				2.904			
60	Maximum of Logged Data				5.768		SD of logged Data				1.425			
61														
62	Assuming Lognormal Distribution													
63	95% H-UCL				69.13		90% Chebyshev (MVUE) UCL				74.3			
64	95% Chebyshev (MVUE) UCL				85.46		97.5% Chebyshev (MVUE) UCL				101			
65	99% Chebyshev (MVUE) UCL				131.4									
66														
67	Nonparametric Distribution Free UCL Statistics													
68	Data do not follow a Discernible Distribution (0.05)													
69														
70	Nonparametric Distribution Free UCLs													
71	95% CLT UCL				47.16		95% Jackknife UCL				47.21			
72	95% Standard Bootstrap UCL				47.35		95% Bootstrap-t UCL				48.49			
73	95% Hall's Bootstrap UCL				48.35		95% Percentile Bootstrap UCL				47.29			
74	95% BCA Bootstrap UCL				48									
75	90% Chebyshev(Mean, Sd) UCL				52.76		95% Chebyshev(Mean, Sd) UCL				58.37			
76	97.5% Chebyshev(Mean, Sd) UCL				66.15		99% Chebyshev(Mean, Sd) UCL				81.44			
77														
78	Suggested UCL to Use													
79	95% Chebyshev (Mean, Sd) UCL				58.37									
80														
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.													
82	Recommendations are based upon data size, data distribution, and skewness.													
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).													
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.													
85														

APPENDIX G

SCAQMD RULE 1466

RULE 1466. CONTROL OF PARTICULATE EMISSIONS FROM SOILS WITH TOXIC AIR CONTAMINANTS

(a) Purpose

The purpose of this rule is to minimize the amount of off-site fugitive dust emissions containing toxic air contaminants by reducing particulate emissions in the ambient air as a result of earth-moving activities, including, excavating, grading, handling, treating, stockpiling, transferring, and removing soil that contains applicable toxic air contaminants from sites that meet the applicability requirements of subdivision (b).

(b) Applicability

(1) This rule shall apply to any owner or operator conducting earth-moving activities of soil with applicable toxic air contaminant(s) as defined in paragraph (c)(15) that have been identified as contaminant(s) of concern at a site that has been designated and notified by:

- (A) The U.S. Environmental Protection Agency (U.S. EPA) as a Superfund National Priorities List site;
- (B) The California Department of Toxic Substances Control (DTSC) as a Brownfield or Cleanup Program site;
- (C) The State Water Resources Control Board (State Water Board) or Regional Water Quality Control Board (Regional Water Board) as a Site Cleanup Program site;
- (D) A county, local, or state regulatory agency as a Hazardous Material Release site, as defined in California Health and Safety Code Section 25260, effective January 1, 2018; or
- (E) The Executive Officer pursuant to subdivision (i).

(2) This rule shall not apply to:

- (A) Earth-moving activities of soil with applicable toxic air contaminant(s) of less than 50 cubic yards; or
- (B) Removal of soil for sampling purposes.

(c) Definitions

(1) ADEQUATELY WET is the condition of being sufficiently mixed or penetrated with water to prevent the release of particulates or visible emissions. The process

- by which an adequately wet condition is achieved is by using a dispenser or water hose with a nozzle that permits the use of a fine, low-pressure spray or mist.
- (2) ADJACENT ATHLETIC AREA is any outdoor athletic field or park where youth organized sports occur that is in physical contact or separated solely by a public roadway or other public right-of-way to a school or early education center.
 - (3) CHEMICAL STABILIZERS are any non-toxic chemical dust suppressant. The chemical stabilizers shall meet any specifications, criteria, or tests required by any federal, state, or local agency or any applicable law, rule, or regulation. Unless otherwise indicated, the use of a non-toxic chemical stabilizer shall be of sufficient concentration and application frequency to maintain a stabilized surface and no less than what is specified by the manufacturer.
 - (4) DISTURBED SURFACE AREA is a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for fugitive dust. This definition excludes those areas which have:
 - (A) Been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;
 - (B) Been paved or otherwise covered by a permanent structure; or
 - (C) Sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.
 - (5) DUST SUPPRESSANTS are water, hygroscopic materials, or chemical stabilizers used as a treatment material to reduce fugitive dust emissions.
 - (6) EARLY EDUCATION CENTER is any public or private property, used for purposes of education as defined as an Early Learning and Developmental Program by the U.S. Department of Education, but does not include any property in which education is primarily conducted in private homes. Early education center includes any building or structure, playground, athletic field, or other areas of early education center property.
 - (7) EARTH-MOVING ACTIVITIES are, for the purpose of this rule, any activity on a site that meets the applicability requirements of subdivision (b) where soil with applicable toxic air contaminant(s) are being moved or uncovered, and shall include, but not be limited to the following: excavating, grading, earth cutting and filling operations, loading or unloading, and adding to or removing from stockpiles.
 - (8) FUGITIVE DUST is, for the purpose of this rule, any solid particulate matter that is in contact with ambient air and has the potential to become airborne, other than solid particulate matter that is emitted from an exhaust stack.

- (9) JOINT USE AGREEMENT PROPERTY is a shared public facility in which a formal agreement exists between a school or early education center and another government entity setting forth the terms and conditions for shared use.
- (10) OWNER OR OPERATOR is any firm, business establishment, association, partnership, corporation or individual, whether acting as principal, agent, employee, contractor, or other capacity.
- (11) PAVED ROAD is a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excluding access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal, or any other governmental or quasi-governmental agencies. Private paved roads are any paved roads not defined as public.
- (12) PROPERTY LINE is the boundary of an area where a person has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.
- (13) SCHOOL is any public or private education center, including juvenile detention facilities and education centers serving as the students' place of residence (e.g., boarding schools), used for purposes of the education of more than 12 children in kindergarten or any grades 1 to 12, inclusive, but does not include any school in which education is primarily conducted in private homes. School includes any building or structure, playground, athletic field, or other areas of school property.
- (14) SOIL is dirt, sand, gravel, clay, and aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.
- (15) SOIL WITH APPLICABLE TOXIC AIR CONTAMINANT(S) means, for the purpose of this rule, soil that has been identified by the U.S. EPA, the DTSC, the State Water Board, the Regional Water Board, or a county, local, or state regulatory agency to contain one or more of the applicable toxic air contaminants as listed in Table I that exceed action levels as specified by the designating agency or, effective January 1, 2018, soil that has been identified by the Executive Officer to contain one or more of the toxic air contaminants listed in Rule 1401 – New Source Review of Toxic Air Contaminants Table I or Hazardous Air Pollutants Identified as Toxic Air Contaminants as listed in California Code of Regulations Section 93001, excluding volatile organic compounds regulated under Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil.

- (16) STABILIZED SURFACE is any previously disturbed surface area or stockpile, which through the application of dust suppressants, shows visual or other evidence of surface crusting and is resistant to wind driven fugitive dust, and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the SCAQMD *Rule 403 Fugitive Dust Implementation Handbook* or in Volumes I and II of SCAQMD's *Dust Control in the Coachella Valley*.
 - (17) STOCKPILE is any accumulation of soil, which is not fully enclosed, covered, or chemically stabilized, and which attains a height of three feet or more and a total surface area of 150 square feet or more.
 - (18) TRACK-OUT is any soil that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that has been released onto a paved road.
 - (19) WIND-DRIVEN FUGITIVE DUST is visible emissions from any disturbed surface area, which is generated by wind action alone.
 - (20) WIND GUST is the maximum instantaneous wind speed as measured by an anemometer.
- (d) Monitoring Requirements
- (1) When earth-moving activities or vehicular movement occurs, the owner or operator shall conduct continuous direct-reading near real-time ambient monitoring of PM₁₀ concentrations pursuant to paragraph (d)(3).
 - (2) If the PM₁₀ concentration averaged over two hours exceeds 25 micrograms per cubic meter, as measured pursuant to paragraph (d)(3) and as determined pursuant to paragraph (d)(4), the owner or operator shall cease earth-moving activities, apply dust suppressant to fugitive dust sources, or implement other dust control measures as necessary until the PM₁₀ concentration is equal to or less than 25 micrograms per cubic meter averaged over 30 minutes.
 - (A) The owner or operator or designating agency may request an alternative PM₁₀ limit from the Executive Officer provided the exposure to toxic air contaminants from fugitive dust from earth-moving activities at the proposed PM₁₀ concentration level is health protective to the public. The owner or operator or designating agency shall provide the Executive Officer the information specified in subparagraphs (i)(1)(A) through (H) and substantiate its position that an alternative PM₁₀ limit is health protective.

Use of an alternative PM₁₀ limit must be submitted and approved by the Executive Officer as specified in subdivision (j).

- (3) The owner or operator conducting earth-moving activities shall install and conduct ambient PM₁₀ monitoring as follows:
 - (A) In accordance with a U.S. EPA-approved equivalent method for PM₁₀ monitoring or an alternative method approved by the Executive Officer. The owner or operator or designating agency shall select an alternative PM₁₀ method as specified in Appendix 1. Use of an alternative PM₁₀ method must be submitted and approved by the Executive Officer as specified in subdivision (j);
 - (B) Using a minimum of one upwind monitor where the location of the upwind monitor(s) are indicative of background PM₁₀ levels and not generally influenced by fugitive dust sources from the site;
 - (C) Using a minimum of one downwind monitor placed in the seasonal prevailing wind direction downwind of each area of earth-moving activity and as close to the property line as feasible;
 - (D) Using PM₁₀ monitors that are identical in make and model; settings; calibration; configuration; and calibration, correction, and correlation factors.
 - (E) Operate, maintain, and calibrate ambient PM₁₀ monitors in accordance with appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent method(s) for PM₁₀ or the alternative method approved by the Executive Officer, and manufacturer's instructions; and
 - (F) Collect ambient PM₁₀ data with a data acquisition system that is capable of logging direct-reading near real-time data providing the date, time, and PM₁₀ concentration in micrograms per cubic meter every 10 minutes or less.
- (4) The owner or operator shall calculate the PM₁₀ concentration based on the PM₁₀ concentration averaged over two hours, starting at the top of each hour, where:
 - (A) The PM₁₀ concentration is the absolute difference between the upwind and downwind monitors;
 - (B) If there is more than one upwind monitor, the upwind result is the two hour average of all upwind monitors;
 - (C) If there is more than one downwind monitor, the downwind average is the maximum two hour average concentration of any of the downwind monitors; and

- (D) The owner or operator or designating agency may use an alternative calculation methodology if the owner or operator or designating agency provides information to substantiate that all or some the PM₁₀ concentration is the result of another source and not attributed to the earth-moving activities of the site. Use of an alternative calculation methodology must be submitted and approved by the Executive Officer as specified in subdivision (j).
 - (5) When earth-moving activities occur, the owner or operator shall monitor wind direction and speed as specified in U.S. EPA *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements*.
- (e) Requirements to Minimize Fugitive Dust Emissions
- (1) An owner or operator shall not conduct earth-moving activities unless the area is surrounded with fencing that is a minimum of 6 feet tall and at least as tall as the height of the tallest stockpile, with a windscreen with a porosity of $50 \pm 5\%$.
 - (2) An owner or operator conducting earth-moving activities shall:
 - (A) Adequately wet to the depth of earth-moving activity and allow time for penetration; and
 - (B) Adequately wet at frequencies to prevent the generation of visible dust plumes.
 - (3) An owner or operator that is moving vehicles on, within, or off a site where earth-moving activities are occurring shall:
 - (A) Post signs at all entrances of the site to designate the speed limit as 15 miles per hour;
 - (B) Stabilize the surface of all vehicular traffic and parking areas by applying gravel, paving, or dust suppressant;
 - (C) Not allow track-out to extend beyond 25 feet of the property line. Remove any track-out each day using a vacuum equipped with a filter(s) rated by the manufacturer to achieve a 99.97% capture efficiency for 0.3 micron particles;
 - (D) Clean the soil from the exterior of trucks, trailers, and tires prior to the truck leaving the site; and
 - (E) The owner or operator shall utilize at least one of the measures listed in clause (e)(3)(E)(i) through (e)(3)(E)(iv) at each vehicle egress from the site to a paved public road:

- (i) Install a pad consisting of washed gravel (minimum-size: one inch), maintained in a clean condition, to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long;
 - (ii) Pave the surface extending at least 100 feet from the property line and at least 20 feet wide;
 - (iii) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipes, or grates) at least 24 feet long and 10 feet wide; or
 - (iv) Install and utilize a wheel washing system to remove soil from tires and vehicle undercarriages.
- (4) An owner or operator conducting earth-moving activities that result in the development of stockpiles of any soil with applicable toxic air contaminant(s) shall:
 - (A) Segregate non-contaminated stockpiles from stockpiles with applicable toxic air contaminant(s) and label with “SCAQMD Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminant(s) Applicable Soil”;
 - (B) Maintain stockpiles to avoid steep sides or faces that exceed the angle of repose;
 - (C) Not create a stockpile that is more than 400 cubic yards of soil and greater in height than the perimeter fencing and windscreen;
 - (D) Apply dust suppressant to stockpiles;
 - (E) At the end of each working day, either chemically stabilize and/or completely cover with 10 millimeter thick plastic sheeting that overlaps a minimum of 24 inches. The plastic sheeting shall be anchored and secured so that no portion of the soil is exposed to the atmosphere; and
 - (F) Daily, inspect stabilized or covered stockpiles. For a stabilized stockpile, such inspections shall include a demonstration of stabilization by one or more of the applicable test methods contained in SCAQMD *Rule 403 Fugitive Dust Implementation Handbook* or Volumes I and II of SCAQMD’s *Dust Control in the Coachella Valley*. For a covered stockpile, such inspections shall include a visual inspection of all seams and plastic cover surfaces. Immediately re-stabilize or repair any holes, tears, or any other potential sources of fugitive toxic air contaminant emissions.
- (5) An owner or operator conducting truck loading activities of soil containing applicable toxic air contaminant(s) shall:
 - (A) Apply dust suppressant to material prior to loading;

- (B) Empty the loader bucket slowly so that no dust plumes are generated;
 - (C) Minimize the drop height from the loader bucket;
 - (D) Maintain at least six inches of space between the soil and the top of the truck bed while transporting within a site; and
 - (E) Completely tarp the truck and trailer prior to leaving the site.
- (6) An owner or operator conducting truck unloading activities of soil containing applicable toxic air contaminant(s) shall:
- (A) Apply dust suppressant to material prior to unloading; and
 - (B) Empty the trailer slowly so that no dust plumes are generated.
- (7) The owner or operator shall immediately remove any spilled soil containing applicable toxic air contaminant(s).
- (8) The owner or operator shall cease earth-moving activities if the wind speed is greater than 15 miles per hour (mph) averaged over a 15-minute period or instantaneous wind speeds exceed 25 mph.
- (9) During earth-moving activities, the owner or operator shall have an on-site dust control supervisor that:
- (A) Is employed by or contracted with the owner or operator;
 - (B) Is located on the site during working hours;
 - (C) Is in a position to expeditiously employ sufficient dust control measures to ensure compliance with all rule requirements;
 - (D) Has completed the SCAQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and
 - (E) Has the following credentials, if asbestos is an applicable toxic air contaminant:
 - (i) Successfully completed the Asbestos Abatement Contractor/Supervisor course pursuant to the Asbestos Hazard Emergency Response Act (AHERA), and obtained and maintained accreditation as an AHERA Asbestos Abatement Contractor/Supervisor; and
 - (ii) Trained on the provisions of 40 CFR Part 61.145, 61.146, 61.147 and 61.152 (Asbestos NESHAP provisions) and Part 763, and have the means by which to comply with these provisions.
- (10) If earth-moving activities will not occur for three (3) or more consecutive days, apply a chemical stabilizer to potential sources of fugitive dust diluted to the concentration required to maintain a stabilized surface for the period of inactivity; re-stabilize as necessary.

- (11) An owner or operator that is conducting earth-moving activities of soil with applicable toxic air contaminant(s) at a school, early education center, joint use agreement property, or adjacent athletic area shall:
- (A) Only conduct earth-moving activities at a school or early education center outside of the hours between 7:30 a.m. and 4:30 p.m. on days when the school or early education center is in session;
 - (B) Not conduct earth-moving activities at a school, early education center, joint use agreement property, or adjacent athletic area if there is a school or early education center sponsored activity or youth organized sports at that site;
 - (C) Handle excavated soils with applicable toxic air contaminant(s) by:
 - (i) Immediately placing soil in a leak-tight container whereby any contained solids or liquids are prevented from escaping or spilling out;
 - (ii) Directly loading soil in trucks, applying dust suppressant, and covering prior to transporting; or
 - (iii) Stockpiling pursuant to paragraph (e)(4), in a fenced area that is not accessible to the general public, and locked when not in use; and
 - (D) Within five (5) days of its excavation, remove all soil with applicable toxic air contaminant(s) from the site.
- (12) With the exception of paragraphs (e)(7) and (e)(11), the owner or operator or designating agency may use alternative dust control measures that meet the objective and effectiveness of the dust control measure it is replacing, where the objective and effectiveness of each category of dust control measures is stated in Appendix 2. Use of alternative dust control measures must be submitted and approved by the Executive Officer as specified under subdivision (j).
- (f) Notification Requirements
- (1) At least 72 hours and no more than 30 days prior to conducting any earth-moving activities on any site meeting the applicability requirements of subdivision (b), the owner or operator shall electronically notify the Executive Officer, using a format approved by the Executive Officer, of the intent to conduct any earth-moving activities. Notifications shall include the following requirements:
 - (A) Name, address, telephone number, and e-mail address of the owner or operator;
 - (B) Name, telephone number, and e-mail address of the on-site dust control supervisor;

- (C) Project name and, if applicable, the project identification number from the designating agency;
 - (D) Project location (address and/or coordinates);
 - (E) Identify whether the site is a school, early education center, joint use agreement property, or adjacent athletic area;
 - (F) A map indicating the specific location(s) of each earth-moving activity and the concentrations of the applicable toxic air contaminant(s) and location of PM₁₀ monitors;
 - (G) A description of the earth-moving activities, estimated volume of soil with applicable toxic air contaminant(s), and a schedule that includes the anticipated start and completion dates of earth-moving activities;
 - (H) Current and/or previous type of operation(s) and use(s) at the site;
 - (I) Applicable exemption(s); and
 - (J) Whether the notice is a revised notification.
- (2) Notification Updates
- Notifications pursuant to paragraph (f)(1) shall be updated when any of the following conditions arise:
- (A) Earlier Start Date
A change in the start date of any earth-moving activity to an earlier date shall be reported to the SCAQMD no later than 72 hours before any earth-moving activities begin.
 - (B) Later Start Date
A delay in the start date of any earth-moving activity shall be reported to the SCAQMD as soon as the information becomes available, but no later than the original start date.
 - (C) Change in Exemption Status
Any change(s) in exemption status pursuant to subdivision (k) shall be reported to the SCAQMD as soon as the information becomes available, but no later than 48 hours after the information becomes available.
- (3) Within 72 hours of an exceedance of the PM₁₀ emission limit specified in subdivision (d), the owner or operator of a site meeting the applicability requirements of subdivision (b) shall electronically notify the Executive Officer, using a format approved by the Executive Officer, of the exceedance and shall include the following information:
- (A) Name, address, telephone number, and e-mail address of the owner or operator;

- (B) Name, telephone number, and e-mail address of the on-site dust control supervisor;
- (C) Project name and, if applicable, the project identification number from the designating agency;
- (D) Project location (address and/or coordinates);
- (E) PM₁₀ monitoring results, including result, date and time of exceedance(s), 12 hours before first exceedance, and 12 hours after last exceedance;
- (F) Earth-moving activities occurring at the date and time of exceedance(s); and
- (G) Dust control measure(s) taken to mitigate fugitive dust.

(g) Signage Requirements

When conducting earth-moving activities, the owner or operator shall install and maintain project signage.

- (1) Unless otherwise approved in writing by the Executive Officer, signage shall:
 - (A) Be installed at all entrances and at intervals of 1,000 feet or less along the property line or perimeter of the site, with a minimum of one along each side;
 - (B) Be located between 6 and 8 feet above grade from the bottom of the sign;
 - (C) Display lettering at least four inches tall with text contrasting with the sign background; and
 - (D) Display the following information:
 - (i) Local or toll-free phone number for the site contact or pre-recorded notification center that is accessible 24 hours a day; and
 - (ii) Warning statement:

“THIS SITE CONTAINS SOILS THAT CONTAIN THE
FOLLOWING CHEMICALS: [LIST APPLICABLE TOXIC AIR
CONTAMINANT(S)]
TO REPORT ANY DUST LEAVING THE SITE PLEASE CALL
[FACILITY CONTACT] OR THE SOUTH COAST AIR
QUALITY MANAGEMENT DISTRICT AT 1-800-CUT-SMOG”
 - (E) If signage pursuant to paragraph (g)(1) exceeds 48 inches by 96 inches, the owner or operator or designating agency must still include the warning statement referenced in (g)(1)(D)(ii), displaying lettering at least four inches tall with text contrasting with the sign background, but may use 2.5 inch tall lettering to list applicable toxic air contaminants. All other signage requirements set forth in paragraph (g)(1) shall remain the same. If signage

continues to exceed 48 inches by 96 inches with these parameters, the owner or operator or designating agency may use alternative signage as set forth in paragraph (g)(2).

- (2) The owner or operator or designating agency may use alternative signage approved by the Executive Officer pursuant to subdivision (j). Notwithstanding subdivision (j), the request shall include a visual representation of the alternative sign, including proposed lettering height, and locations and, at a minimum, the alternative signage shall:

- (A) Display text contrasting with the sign background; and
(B) Display the following warning statement:

“THIS SITE CONTAINS SOILS THAT CONTAIN THE FOLLOWING
CHEMICALS: [LIST APPLICABLE TOXIC AIR CONTAMINANT(S)]
TO REPORT ANY DUST LEAVING THE SITE PLEASE CALL
THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AT
1-800-CUT-SMOG”

(h) Recordkeeping Requirements

The owner or operator shall maintain records for a period of not less than three years and shall make such records available to the Executive Officer upon request. At a minimum, records shall be maintained daily and shall include:

- (1) Inspection of all covered stockpiles containing soils with applicable toxic air contaminant(s);
(2) Results of wind and PM₁₀ monitoring, including: instrument make and model; settings; calibration; configuration; calibration, correction, and correlation factors; maintenance; operator training; and daily instrument performance check records for all monitoring instruments;
(3) Earth-moving activities conducted and the corresponding volume of soil with applicable toxic air contaminant;
(4) Names and business addresses of the transporting and receiving facilities, and a copy of the shipping manifest; and
(5) Complaints called in, including the name of complainant and contact information, date and time, earth-moving activities occurring at the date and time, complaint, and action taken to mitigate the source of the complaint.

(i) Executive Officer Designated Sites

- (1) The Executive Officer may designate a site if the Executive Officer has evidence that the site contains soil with applicable toxic air contaminant(s) as defined in paragraph (c)(15), after consultation with U.S. EPA, DTSC, the State or Regional Water Boards, and/or local, county, or state health and regulatory agencies, and consideration of the following:
 - (A) Site history, including current and/or previous type(s) of operation(s) and use(s) at the site and regulatory history;
 - (B) Concentration(s) of applicable toxic air contaminant(s) in the soil;
 - (C) Background concentration(s) of applicable toxic air contaminant(s);
 - (D) Volume of soil with applicable toxic air contaminant(s);
 - (E) Distance to a residence, park, or school;
 - (F) Meteorological data;
 - (G) Health risk information or other data provided by the owner or operator, if available; and
 - (H) Ambient monitoring data and other applicable data, if available.
- (2) Prior to making a determination, the Executive Officer will notify the owner or operator in writing that the site may be subject to this rule.
 - (A) In the event the owner or operator exercises this opportunity to demonstrate that this rule does not apply, the owner or operator shall submit information to the Executive Officer within 14 days of the notification substantiating why the site should be excluded from this rule.
 - (B) Upon final determination, the Executive Officer will notify the owner or operator in writing if the site is subject to this rule.
- (3) During the determination period, the owner or operator shall comply with the provisions of this rule or cease all earth-moving activities until a determination is made.

(j) Alternative Provisions

- (1) If requesting an alternative provision pursuant to subparagraphs (d)(2)(A), (d)(3)(A), or (d)(4)(D) or paragraphs (e)(12), (g)(2), (k)(3), or (k)(4) the owner or operator or designating agency shall submit all information to the Executive Officer to substantiate its position.
 - (A) The owner or operator or designating agency that elects to request alternative provisions for the PM₁₀ limit, PM₁₀ monitoring method, signage,

or direct loading exemption shall submit the request in writing at least 30 days prior to conducting any earth-moving activities.

- (B) The owner or operator or designating agency that elects to request alternative provisions for the PM₁₀ calculation or dust control measures shall submit the request, in writing, prior to an exceedance of the PM₁₀ concentration requirements set forth in paragraph (d)(2).
- (2) The Executive Officer may request additional information from the owner or operator or designating agency.
- (3) The owner or operator or designating agency shall submit all requested information within 14 days of the request for additional information.
- (4) The Executive Officer will review the request for an alternative provision and will approve or reject the data and notify the owner or operator or designating agency in writing. Approved alternative provisions may not be used retroactively.
- (k) Exemptions
- (1) The owner or operator may be exempt from one or more provisions of this rule provided there is written confirmation that the designating agency under subparagraphs (b)(1)(A) through (D) has consulted with the Executive Officer and has determined that the provision(s) are not needed based on information specified in subparagraphs (i)(1)(A) through (H).
- (2) Earth-moving activities performed within an enclosed system vented to SCAQMD permitted air pollution control equipment shall be exempt from all requirements except: subparagraphs (e)(3)(C) through (e)(3)(E), subparagraphs (e)(5)(D) and (e)(5)(E), and subdivisions (f), (g), and (h).
- (3) Linear trenching for natural gas, power, sewer, and water projects on roadways with soil with applicable toxic air contaminant(s), directly loaded into a truck or bin for transport, shall be exempt from all requirements except: paragraphs (e)(2) through (e)(8), paragraph (e)(11), and subdivisions (f), (h), and (i). The owner or operator or designating agency may use an alternative to directly load into a truck or bin for transport that meets the objective and effectiveness of directly loading soil, where the objective and effectiveness is stated in Appendix 2. Use of an alternative measure must be submitted and approved by the Executive Officer as specified under subdivision (j).
- (4) Earth-moving activities consisting only of excavation activities of soil with applicable toxic air contaminant(s) of less than 500 cubic yards, directly loaded into a truck or bin for transport, shall be exempt from all requirements except:

paragraphs (e)(2) through (e)(8), paragraph (e)(11), and subdivisions (f), (h), and (i). The owner or operator or designating agency may use an alternative to directly load into a truck or bin for transport that meets the objective and effectiveness of directly loading soil, where the objective and effectiveness is stated in Appendix 2. Use of alternative measure must be submitted and approved by the Executive Officer as specified under subdivision (j).

- (5) Active operations conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency as declared by an authorized health officer, agricultural commissioner, fire protection officer, or other authorized agency officer shall be exempt from all requirements. The Executive Officer shall be notified electronically no later than 48 hours following such earth-moving activities. Written notification shall include written emergency declaration from the authorized officer.
- (6) Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water, or sewer during periods of service outages and emergency disruptions shall be exempt from all requirements. The Executive Officer shall be notified electronically no later than 48 hours following such earth-moving activities.

Table I – Applicable Toxic Air Contaminants

CAS Number	Substance
7440-38-2	arsenic and arsenic compounds (inorganic) including, but not limited to: arsenic compounds (inorganic)
7784-42-1	arsine
1332-21-4	asbestos
7440-43-9	cadmium and cadmium compounds
57-74-9	chlordanes*

CAS Number	Substance
1746-01-6 40321-76-4 39227-28-6 57653-85-7 19408-74-3 35822-46-9 3268-87-9 41903-57-5 36088-22-9 34465-46-8 37871-00-4	dibenzo-p-dioxins (chlorinated)* tetrachlorodibenzo-p-dioxin, 2,3,7,8- pentachlorodibenzo-p-dioxin, 1,2,3,7,8- hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8- octachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8,9- total tetrachlorodibenzo-p-dioxin total pentachlorodibenzo-p-dioxin total hexachlorodibenzo-p-dioxin total heptachlorodibenzo-p-dioxin
72-54-8	dichlorodiphenyldichloroethane*
72-55-9	dichlorodiphenyldichloroethylene*
50-29-3	dichlorodiphenyltrichloroethane*
18540-29-9 10294-40-3 13765-19-0 7758-97-6 10588-01-9 7789-06-2 13530-65-9	chromium (hexavalent) and chromium compounds including, but not limited to: barium chromate calcium chromate lead chromate sodium dichromate strontium chromate zinc chromate
7439-92-1 301-04-2 7758-97-6	lead and lead compounds (inorganic, including elemental lead) including, but not limited to: lead compounds (inorganic) lead acetate lead chromate

CAS Number	Substance
7446-27-7	lead phosphate
1335-32-6	lead subacetate
7439-97-6 7487-94-7 593-74-8	mercury and mercury compounds (inorganic) including, but not limited to: mercuric chloride methyl mercury
7440-02-0 373-02-4 3333-67-3 13463-39-3 12054-48-7 1313-99-1 12035-72-2 1271-28-9	nickel and nickel compounds including, but not limited to: nickel acetate nickel carbonate nickel carbonyl nickel hydroxide nickel oxide nickel subsulfide nickelocene refinery dust from the pyrometallurgical process
1336-36-3 32598-13-3 70362-50-4 32598-14-4 74472-37-0 31508-00-6 65510-44-3 57465-28-8 38380-08-4 69782-90-7 52663-72-6 32774-16-6 39635-31-9	polychlorinated biphenyls (PCBs) 3,3',4,4'-tetrachlorobiphenyl 3,4,4',5-tetrachlorobiphenyl 2,3,3',4,4'-pentachlorobiphenyl 2,3,4,4',5-pentachlorobiphenyl 2,3',4,4',5-pentachlorobiphenyl 2,3',4,4',5'-pentachlorobiphenyl 3,3',4,4',5-pentachlorobiphenyl 2,3,3',4,4',5-hexachlorobiphenyl 2,3,3',4,4',5'-hexachlorobiphenyl 2,3',4,4',5,5'-hexachlorobiphenyl 3,3',4,4',5,5'-hexachlorobiphenyl 2,3,3'4,4',5,5'-heptachlorobiphenyl

CAS Number	Substance
	polycyclic aromatic hydrocarbons (PAHs)*
56-55-3	benzo[a]anthracene
50-32-8	benzo[a]pyrene
205-99-2	benzo[b]fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene
53-70-3	dibenz[a,h]anthracene
193-39-5	indeno[1,2,3-c,d]pyrene

* Effective January 1, 2018

Appendix 1 – Executive Officer Approved PM₁₀ Monitors

The Executive Officer may approve PM₁₀ monitors that meeting the following requirements.

1. PM₁₀ monitors must be continuous direct-reading near-real time monitors and shall monitor particulate matter less than 10 microns.
2. PM₁₀ monitors must be equipped with:
 - a. Omni-directional heated sampler inlet;
 - b. Sample pump;
 - c. Volumetric flow controller;
 - d. Enclosure; and
 - e. Data logger capable of logging each data point with average concentration, time/date, and data point number.
3. PM₁₀ monitors must have the following minimum performance standards:
 - a. Range: 0 - 10,000 µg/m³
 - b. Accuracy: ±5% of reading ± precision
 - c. Resolution: 1.0 µg/m³
 - d. Measurement Cycle: User selectable (30 minute and 2 hour)
4. In order to ensure the validity of the PM₁₀ measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the owner or operator to adequately supplement QA/QC Plans to include the following critical features: instrument calibration, instrument maintenance, operator training, and daily instrument performance (span) checks.

**Appendix 2 – Objectives and Effectiveness of Dust Control Measures Set-Forth in
Subdivision (e)**

Dust Control Measure	Objective	Effectiveness
(e)(1) Fencing and Windscreen Requirement	To minimize off-site fugitive dust emissions containing toxic air contaminants, provide a wind break, act as containment, provide security, and limit access to unauthorized persons.	Any dust control measure that is equally or more effective in minimizing off-site fugitive dust emissions containing toxic air contaminants that may result in exposure to the general public and will limit public access to the site.
(e)(2) Water Application	To minimize fugitive dust emissions containing toxic air contaminants from earth-moving activities.	Any dust control measure that is equally or more effective at preventing the generation of visible dust plumes from earth-moving activities.
(e)(3) Vehicle Movement	To minimize fugitive dust emissions containing toxic air contaminants from on-site vehicles and as vehicles are moving off-site.	Any dust control measure that is equally or more effective at preventing the generation of dust plumes from on-site vehicle movement and any fugitive dust that can be tracked out of the site that can result in exposure to the general public.
(e)(4) Stockpiles	To minimize fugitive dust emissions containing toxic air contaminants from stockpiles.	Any dust control measure that is equally or more effective at minimizing fugitive dust emissions containing toxic air contaminants from stockpiles and that will prevent the generation of dust plumes from stockpiles that can result

Dust Control Measure	Objective	Effectiveness
		in exposure to the general public.
(e)(5) Truck Loading	To minimize fugitive dust emissions containing toxic air contaminants from truck loading and truck movement.	Any dust control measure that is equally or more effective at preventing a dust plume or fugitive dust occurring during the loading of soils containing toxic air contaminants into trailers and physical containment or other mechanisms to minimize fugitive dust from escaping the trailer during transport.
(e)(6) Truck Unloading	To minimize fugitive dust emissions containing toxic air contaminants from truck unloading and truck movement.	Any dust control measure that is equally or more effective at preventing a dust plume or fugitive dust occurring during the unloading of soils containing toxic air contaminants.
(e)(8) Earth-Moving Activities at Certain Wind Speeds	To minimize fugitive dust emissions containing toxic air contaminants from high wind events.	Any dust control measure that is equally or more effective at preventing a dust plume or fugitive dust occurring during high wind events.
(e)(9) On-site Dust Control Supervisor	To require the on-site presence of a person that has specific training to ensure compliance with all rule requirements.	Any measure that ensures the on-site presence of a person with training covering the same material as that covered by an SCAQMD Fugitive Dust Control Class and appropriate credentials to handle applicable toxic air contaminants and that can

Dust Control Measure	Objective	Effectiveness
		ensure compliance with all rule requirements.
(e)(10) Application of Chemical Stabilizer During Periods of Inactivity	To minimize a dust plume or fugitive dust emissions containing toxic air contaminants from occurring on-site during periods of inactivity.	Any dust control measure that is equally or more effective at preventing a dust plume or fugitive dust emissions containing toxic air contaminants from occurring on-site during periods of inactivity.
(k)(3)/(k)(4) Direct Load into a Truck or Bin for Transport	To minimize a dust plume or fugitive dust emissions containing toxic air contaminants from truck loading and unloading.	Any dust control measure that is equally or more effective at preventing a dust plume or fugitive dust emissions containing toxic air contaminants from truck loading and unloading.