APPENDIX A

Historic Resource Assessment Report

HISTORIC RESOURCE ASSESSMENT REPORT

Lincoln High School
3501 N. Broadway, Los Angeles
November 20, 2018

HISTORIC RESOURCES GROUP

PREPARED FOR

Los Angeles Unified School District
Office of Environmental Health & Safety
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HISTORIC RESOURCE ASSESSMENT REPORT

Lincoln High School
3501 N. Broadway, Los Angeles

HISTORIC RESOURCES GROUP

1. EXECUTIVE SUMMARY

At the request of the Los Angeles Unified School District (LAUSD), Historic Resources Group has evaluated the Lincoln High School campus at 3501 N. Broadway, in the Lincoln Heights neighborhood of Los Angeles, for potential historic significance. This historic assessment analyzes the property's eligibility for listing in the National Register of Historic Places and the California Register of Historical Resources, and for designation as a City of Los Angeles Historic-Cultural Monument. This assessment was conducted by Christine Lazzaretto, Managing Principal, and Kari Fowler, Senior Preservation Planner, both of whom are qualified professionals who meet or exceed the *Secretary of the Interior's Professional Qualification Standards*.

In 1995, the Lincoln High School campus was evaluated as part of a larger effort to survey properties damaged by the 1994 Northridge earthquake. At that time, the original buildings of the reconstructed post-1933 Long Beach earthquake campus were identified collectively as a historic district consisting of four contributors: the Administration Building (1937), the Home Economics Building (1937), the Auditorium Building (1937), and the Physical Education Building (1941), all of which were designed by noted Los Angeles architect Albert C. Martin. The Lincoln High School Historic District was formally determined eligible for the National Register of Historic Places and was therefore listed in the California Register of Historical Resources. The listing for Lincoln High School does not identify the criteria under which the historic district was determined to be eligible; however, it is presumed to have been evaluated under Criterion C/3 for its architectural merit and as the work of a master architect.

The purpose of this historic assessment was to complete an evaluation of the Lincoln High School campus using applicable criteria and eligibility requirements as described in the 2014 "LAUSD Historic Context Statement, 1870-1969," and other historic context statements where applicable. In particular, Lincoln High School was evaluated for its association with the East Los Angeles Walkouts (or "Chicano Blowouts") of 1968. It should be noted that this historic assessment reviewed and incorporated preliminary historic research conducted by Rincon Consultants, Inc. as part of a previous Historical Resources Evaluation for Lincoln High School, conducted in November 2017. [See *Appendix H. Rincon Consultants, Inc. Memorandum (2017)* below.]

Historic Resources Group has conducted a detailed historic assessment of the Lincoln High School campus property, including visual observation of the existing conditions; a review of primary and secondary source research related to the history of the school and its development; a review of the relevant historic contexts and themes as established by the National Historic Landmarks Program, the National Register of Historic Places, SurveyLA, and the LAUSD; and an analysis under the criteria and integrity thresholds for listing at the federal, state, and local levels.

The Lincoln High School campus has been evaluated collectively for its potential eligibility for listing and/or designation as a historic district. The campus has a layered history; therefore, consistent with standard historic preservation practice, Historic Resources Group has identified

three overlapping historic districts, and five distinct reasons for historic significance. Each identified historic district has its own period of significance, boundary, and contributing and non-contributing buildings and features. Two historic districts were identified as significant under Criterion A/1/1, one for its association with early-20th century school development in Los Angeles, including remnant features from when the school was initially established on the site in 1913; and the other for its association with the "Chicano Blowouts" of 1968. Two historic districts were identified as significant under Criterion B/2/2, one for its association with longtime Lincoln High School principal Ethel Percy Andrus, and the other for its association with Lincoln High School teacher Sal Castro. Finally, one historic district was identified as significant under Criterion C/3/3 as an excellent example of PWA Moderne architecture and the work of prominent Los Angeles architect Albert C. Martin.

To summarize these findings, a total of four campus buildings and seven additional features (landscapes, hardscapes, athletic facilities) have been evaluated as contributing to one or more identified historic district(s). Thus, this historic assessment has concluded that the Lincoln High School campus in Lincoln Heights is eligible for listing in the National Register and the California Register, and for local designation as a Historic-Cultural Monument.

Property Location

Abraham Lincoln High School, known as "Lincoln High School," is located at 3501 N. Broadway, in the Lincoln Heights neighborhood of Los Angeles. For the purposes of this assessment, the campus includes both the western and eastern portions of Lincoln High School, as well as the northern portion of the campus which is currently occupied by Pueblo de Los Angeles Continuation High School.

Lincoln High School is situated on the north side of N. Broadway and occupies an upward-sloping site at the base of the foothills. The campus spans approximately 19 acres across two large parcels separated by Lincoln Park Avenue. The main part of the campus occupies the western parcel (APN 5208-026-903), an irregularly-shaped parcel bounded by N. Broadway on the south, N. Thomas and Alta streets on the west, Lincoln Park Avenue on the east, and residential lots on the north. The eastern parcel (APN 5209-010-900) is a rectangular-shaped parcel developed primarily with athletic facilities for Lincoln High School. [See *Figure 1. Location Map* below.]

Property Setting

Lincoln High School sits at the approximate center of the Lincoln Heights neighborhood, on the east side of Los Angeles. Lincoln Heights spans some 2.5 square miles, bounded by the Los Angeles River on the west, Mission Road and Valley Boulevard on the south, Soto Street on the east, and the 110 (Pasadena) Freeway on the north.[1] Major east-west thoroughfares include N. Broadway and N. Main Street; major north-south routes include Griffin Avenue, Daly Street/Pasadena Avenue, and the 5 (Golden State) Freeway. Adjacent communities include El Sereno to the east, Boyle Heights to the south, Chinatown to the west, and Montecito Heights and Cypress Park to the north.

Situated just across the river from downtown Los Angeles, Lincoln Heights is one of the oldest neighborhoods in the city. Overwhelmingly residential, much of the neighborhood occupies hilly topography. Neighborhood streets are populated primarily with early-20th century residences, along with some late-19th century homes and more recent multi-family residential infill. Commercial streets are lined with modest, mostly one-story retail storefronts and service buildings, with some two-story commercial blocks at larger intersections. Neighborhood landmarks include Lincoln Park, the San Antonio Winery, and the Brewery Art Colony.

[1] "Mapping L.A.," *Los Angeles Times*, http://maps.latimes.com/neighborhoods/ (accessed September 2018).

FIGURE 1. Location Map

Source: Bing Maps © 2018

Lincoln High School
3501 N. Broadway
Los Angeles CA
90031

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Architectural Description

The following architectural description reflects the physical appearance of the Lincoln High School campus as observed on a site visit conducted on September 13, 2018. Because this historic assessment evaluates the campus primarily as a historic district, this section describes exterior features and spaces only.[2] [See *Table 1. Campus Building & Features* and Figure 2. *Campus Building & Features Map* below.]

Campus Overview

The Lincoln High School campus is composed of two parcels – a western parcel and an eastern parcel – situated along the north side of N. Broadway and separated by Lincoln Park Avenue. Taken together, the property spans approximately 19 acres and includes the campuses of Lincoln High School and Pueblo de Los Angeles Continuation High School.[3] The campus occupies an upward-sloping site bounded by N. Broadway on the south, N. Thomas and Alta streets on the west, Lincoln High Drive on the east, and residentially-developed hillsides on the north. The main part of the campus is located on the western parcel; the eastern parcel is developed primarily with athletic facilities.

The campus' primary entrance is situated along N. Broadway and consists of three sets of decorative entrance gates which lead to the central Campus Quad (A).[4] The Campus Quad and its surrounding buildings form the core of the Lincoln High School campus, with the Home Economics Building (2) to the east, the Auditorium Building (3) to the west, and the Administration Building (1) to the north. These features, along with the Administrative Courtyard (B), comprise the campus' buildings and spaces as planned and designed by architect Albert C. Martin in the late 1930s. This portion of the campus has a symmetrical plan. Along its central axis are a fountain, flagpole, school sign, and planter beds, flanked by concrete walks and terraced lawns which step up the sloping site toward the Administration Building. Additional buildings that appear within the campus core include the Lunch Pavilion (5) and Music Building No. 2 (9).

Situated behind (north of) the campus core are: the Shop Building (6), Buildings A and B (11 and 12), and Music Building No. 1 (10), along with several relocatable buildings and surface parking areas. This portion of the campus continues to slope upward, with additional concrete walks, steps, and retaining walls. The northern portion of the western parcel is essentially flat with a number of relocatable buildings situated amid surface parking lots.

The campus' eastern parcel is steeply sloped, with several remnants of the original 1913 campus at the base of the hill along N. Broadway. These early features include the Original Campus Steps and Walkway (J and K) and the Tennis/Basketball Courts (H and I). On the

[2] Interiors of the campus buildings were not accessed during the site visit for this historic assessment.
[3] Pueblo de Los Angeles Continuation High School occupies the northern portion of the western parcel.
[4] Numbers/letters used to identify the buildings and campus features correspond to Table 1. Campus Building & Features/Figure 2. Campus Building & Features Map.

hillside above is the Physical Education Building (4), which is the last of Albert C. Martin's campus buildings. The remainder of this parcel contains the Football Field & Track (G), the Bleachers (27), and several relocatable buildings. A Pedestrian Overpass (7) spans Lincoln Park Avenue from the Shop Building on the west to the hillside on the east, linking the two portions of the campus.

Campus-wide features include concrete walkways and stairways; concrete curbs, planters, and planting beds; metal benches and lunch tables with umbrellas; steel drum trash receptacles; accessibility ramps and elevator towers; commemorative features, including statuary and plaques; and mature trees and other landscaping throughout. The western parcel along N. Broadway is fronted by a low concrete retaining wall at the sidewalk, with the Auditorium and Home Economic buildings set back behind manicured lawns. The eastern parcel is fronted by a taller concrete retaining wall along Lincoln Park Avenue and N. Broadway as the topography inclines from west to east. Various portions of the campus are secured with tall chain-link fencing, including much of the western parcel, and various athletic facilities on the eastern parcel. Along the north side of N. Broadway spanning the eastern parcel, the sidewalk is lined with towering Mexican fan palms, another remnant from the original 1913 campus.

Buildings

Administration Building (1)

Originally constructed as the Administration, Science and Class Room Building, this building is one and two stories in height plus a basement level, and measures 68,080 square feet. Situated at the center of the campus' western parcel, it has a U-shaped plan and is of reinforced concrete construction. Built in 1937, it was designed by architect Albert C. Martin in the PWA Moderne style as one of the original buildings of Lincoln High School's post-Long Beach earthquake campus. Features include flat roofs with parapets, and hipped roofs with composition shingles and boxed eaves. Exterior walls are clad in smooth cement plaster, with vertically ribbed accent panels, and a header course of concrete block ornament aligned with the top of the windows. Fenestration consists of horizontal bands of divided-light, double-hung wood windows, separated by ribbed concrete piers or scored wood columns. Ground-level windows are covered with metal screens.

The building's main entrance is centered on the primary (south) façade and is recessed beneath a flat canopy at the top of a wide set of concrete steps. The entrance is composed of three sets of wood-panel double-doors with single lights above, beneath a common divided-light transom. The entrance is flanked by two curved walls, the upper portion of which is a heavy concrete grille with small steel-sash leaded lights. A horizontal wooden bar has been attached over the lower lights. Additional entrance features include terrazzo paving in a polychromatic geometric pattern, and recessed soffit lights with decorative surrounds and glass shades. Curved concrete planters bracket the main entrance, with rectangular planters running along much of the primary façade. Above the entrance canopy, there are two stylized bas-relief figures (one sewing, the other reaping) rendered in cast stone, set beneath incised lettering which reads "Honesty" and "Loyalty." On either side of these figures are the words

"Thought" and Deeds," and "Ideals" and "Truth." On the upper-story parapet, projecting aluminum letters read "Abraham Lincoln High School."

The main entrance from the building's courtyard features three sets of wood slab doors with single lights above, set beneath a common divided-light transom. Additional rectangular concrete planters flank the courtyard entrance. Secondary entrances feature wood-panel double-doors with divided lights, some with matching sidelights and a divided-light transom above. Interior stairwells are illuminated with floor-to-ceiling groupings of wood awning windows. Other features include octagonal accent windows with divided-light wood casements; simple string courses on secondary façades; perforated concrete grilles; metal downspouts; wall-mounted drinking fountains; and an elevator tower on the rear facade. The north- and west-facing building entrances feature inspirational inscriptions incised in the concrete above the doors.

Home Economics Building (2)

Originally constructed as the Commerce, Home Economics and Cafeteria Building, this building is two stories in height plus a basement level, and measures 47,194 square feet. Situated at the southeast corner of the campus' western parcel, it has an L-shaped plan and is of reinforced concrete construction. Built in 1937, it was designed by architect Albert C. Martin in the PWA Moderne style as one of the original buildings of Lincoln High School's post-Long Beach earthquake campus. Features include a hipped roof with composition shingles and boxed eaves, and a flat roof with parapets. Exterior walls are clad in smooth cement plaster, with vertically ribbed accent panels, and a header course of concrete block ornament aligned with the top of the windows. Fenestration consists of single and paired divided-light, double-hung wood windows. Interior stairwells are illuminated with floor-to-ceiling groupings of wood awning windows, some with decorative concrete surrounds. Ground-level windows are covered with metal screens.

The building's main entrance is centered on the primary (west) façade and recessed beneath a flat canopy supported by slender concrete columns. It is accessed via a concrete double stairway enclosed by solid walls with rounded corners, horizontal scoring near the top of the walls, and an inscription in incised lettering. The landing has concrete and red tile paving. The entrance features a set of wood double-doors with divided lights above, flanked by matching sidelights, with a divided-light transom above. The canopy has recessed soffit lights with decorative surrounds and glass shades. Above the entrance canopy is vertical grouping of divided-light wood windows flanked by two pairs of smaller windows. On the upper portion of this façade there are two cast-stone bas-relief panels representing Home Economics and Commerce.

Secondary entrances feature wood-panel double-doors with divided lights, and a divided-light transom above. The building's street entrance is on the south (N. Broadway) façade. It is accessed via a concrete walkway and steps enclosed by concrete walls with rounded corners, horizontal scoring, and rectangular perforations. On the upper portion of this façade is a plastic sign box with neon lettering which reads "Abraham Lincoln High School, Day and Evening."

The east (Lincoln Park Avenue) façade features a projecting square bay with steel-frame windows and a metal standing-seam roof. Other features include octagonal accent windows with divided-light wood casements; simple string courses; perforated concrete grilles; metal downspouts; projecting flat canopies; a concrete chimney; and an elevator tower on the north-facing courtyard facade.

Auditorium Building (3)

Originally constructed as the Assembly and Music Building, this building is one story plus a basement level, and measures 17,334 square feet. Situated at the southwest corner of the campus' western parcel, it has a rectangular plan and is of reinforced concrete construction. Built in 1937, it was designed by architect Albert C. Martin in the PWA Moderne style as one of the original buildings of Lincoln High School's post-Long Beach earthquake campus. Features include a hipped roof with composition shingles and boxed eaves. Exterior walls are clad in smooth plaster, with vertically ribbed accent panels, and a header course of concrete block ornament aligned with the top of the windows. Fenestration consists of tall, narrow openings with fixed steel-frame windows, organized in pairs and separated by an exaggerated vertical mullion.

The building's main entrance is centered on the primary (east) façade and recessed beneath a flat canopy supported by slender concrete columns. It is accessed via a set of wide concrete steps. The landing has concrete and red tile paving. The entrance is composed of four sets of wood-panel double-doors with single lights above, set beneath divided-light transoms. The canopy has square plastic soffit lights. The entrance is flanked by two integrated ticket booths, each with a rounded-arch service window facing the recessed entrance. On the façade, each booth is illuminated by a perforated cast-stone grille with a stylized relief figure, one depicting fasces, and the other a hand holding a torch. Affixed lettering on the edge of the main entrance canopy reads "Ethel Percy Andrus Theatre."

Above the entrance canopy, there is a bas-relief lamp rendered in cast stone, and lettering which reads "Lincoln High School, Los Angeles 1913." Additional raised lettering reads "Service," "Honor," "Duty" and Country," along with an incised inscription above. On the upper-story parapet, there is a painted wall mural created by Roberto "Tito" Delgado which depicts various faces. On the south (N. Broadway) façade, a wall niche contains a cast-stone figure representing Speech. Other features include simple string courses and metal downspouts.

Physical Education Building (4)

This building is two stories in height and measures 35,981 square feet. Situated in the western portion of the campus' eastern parcel, it has a rectangular plan and reinforced concrete construction. Built in 1941, it was designed by architect Albert C. Martin in the PWA Moderne style as one of the original buildings of Lincoln High School's post-Long Beach earthquake campus. The building is capped by a flat roof with parapets and a simple cornice. Exterior walls are clad in smooth plaster, with accent panels with vertical, horizontal, and

gridded scoring. Fenestration consists of fixed and sliding aluminum windows. Ground-level windows are covered with metal screens.

The building's primary (west) façade has two main entrances, each contained within a two-story volume located at the north and south ends of the façade. Each entrance is composed of a set of metal double-doors set beneath a concrete semi-circular canopy with a square plastic soffit light. Above the entrance canopy, a gridded concrete panel and a large divided-light window are recessed between full-height concrete piers with vertical scoring. The center portion of the primary façade contains a stucco-clad elevator tower and adjoining upper-level balcony. The entrances are accessed via a set of concrete steps and accessibility ramps with metal pipe railings. Concrete planters at either end of the primary façade curve around the corner and continue along much of the north and south façades, where they terminate at side entrances. These entrances are composed of metal double-doors and a divided-light transom beneath a square canopy that is supported by a pair of concrete brackets on one side and a set of four concrete columns on the other.

The east façade is set next to a steep hillside and is accessed via two metal pedestrian bridges which lead to second-story entrances. The bridges are of steel beam construction and have paneled metal guardrails with pipe railings and chain link fencing. These entrances have metal double-doors and a divided-light transom beneath a rectangular canopy with a square soffit light. On the ground level, the entrance to a mechanical room is enclosed with an industrial steel plate fire door with exposed metal hardware. Other features include wall-mounted drinking fountains, metal louvered vents, and metal downspouts.

Lunch Pavilion (5)

This building is composed of a large canopy structure and a food service building, situated at the inside angle of the L-shaped Home Economic Building on the campus' western parcel. Built in 1978, the Lunch Pavilion is designed in the Late Modern style. The canopy consists of a series of long rectangular roof sections which are flat on top and concave underneath and supported on square brick piers. Sections are set side by side with narrow spaces between which contain alternating solid volumes and open spaces capped with opaque skylights. The canopy has ceiling-mounted light fixtures throughout. Beneath the canopy is a 406-square-foot food service building. This building is one story with a rectangular plan and wood-frame construction. The exterior is clad in vertically-laid subway tile. The north and south façades are punctuated by a series of food service windows with aluminum roll-up doors, and metal pipe railings which define the queues for each window. The west façade has two additional food service windows. The east façade has a single metal door and a wall-mounted drinking fountain.

Shop Building (6)

Originally constructed as the New Ceramics and Mechanical Arts Building, this building is two stories in height and measures 38,144 square feet. Situated in the eastern portion of the campus' western parcel, it has a rectangular plan and wood-frame construction. Built in 1976,

it was designed by architects Robert E. Alexander and Adolfo E. Miralles in the Late Modern style. Features include a flat roof with parapets and rough stucco wall cladding. Building entrances are composed of flush-mounted single and double metal doors. Interior stairs provide access to a rectangular rooftop volume and walkway which leads to a Pedestrian Overpass (7) connecting to the campus' eastern parcel. The walkway is partially enclosed with a flat roof and stucco walls with red tile and wood posts and beams.

The building's south façade features a projecting arcade, consisting of rounded arches supported by square brick and stucco piers. On the second story, a hipped-roof loggia spans the south façade and wraps around much of the west and east façades. The roof is supported by square wood columns; the west and east façades also have metal balustrades. Other features include wall- and ceiling-mounted square light fixtures, and wall-mounted drinking fountains.

Pedestrian Overpass (7)

This structure is a pedestrian bridge which links the campus' western and eastern parcels. Designed by architects Robert E. Alexander and Adolfo E. Miralles, the bridge was built along with the Shop Building (6) in 1976. It is composed of a concrete deck supported by two concrete piers, with stucco side walls and inward-curving chain-link fencing for safety. The bridge spans Lincoln Park Avenue, connecting to the rooftop of the Shop Building (6) on the west end and a steep hillside on the east end.

Elevator Tower (8)

This structure is a free-standing elevator tower situated in the western portion of the campus' eastern parcel. Built in 2000, the elevator provides access from the Pedestrian Overpass (7) to the top of a steeply-sloping hill and the eastern portion of the campus. It is rectangular in plan with a flat roof and rough stucco wall cladding. The elevator is enclosed by sliding metal double-doors. A single metal door leads to a mechanical room. On the upper level, a concrete landing and bridge connect with a walkway that leads to the ground-floor level of the Physical Education Building (4).

Music Building No. 2 (9)

This building is one story in height and measures 3,120 square feet. Situated in the southwestern portion of the campus' western parcel, it has a rectangular plan and wood-frame construction. Built in 1963, it was designed by architect Edward H. Fickett in the Mid-Century Modern style. Features include a side-gable roof and monitor with a shed roof, built-up roofing, and overhanging open eaves with heavy exposed rafter tails on the north facade. On the south façade, a deep roof overhang forms a covered walkway supported by wood posts with a wood handrail. Exterior walls are clad in smooth plaster. Fenestration consists of clerestory windows in the roof monitor. Room entrances are single flush-mounted metal doors. Other features include wall-mounted light fixtures and drinking fountain.

Music Building No. 1 (10)

This building is one story in height and measures 1,901 square feet. Situated in the western portion of the campus' western parcel, it has a rectangular plan and wood-frame construction. Built in 1949, it was designed in the Mid-Century Modern style. Features include a combination side-gable and shed roof, built-up roofing, and overhanging closed eaves. Exterior walls are clad in smooth plaster. The south façade has a deep roof overhang which shelters the room entrances and a ribbon of clerestory windows covered with metal screens. Entrances are composed of a concrete stoop with metal pipe railings, and a single metal door with a fixed transom above. The north façade has a grouping of wood double-hung sash windows with metal screens. Other features include an accessibility ramp with metal balustrades and wall-mounted drinking fountain.

Buildings A and B (11 and 12)

Building A and Building B are identical structures situated back-to-back and present as a single classroom building. Each building is two stories in height and measures 6,128 square feet. Situated in the western portion of the campus' western parcel, they have a rectangular plan and wood-frame construction. Built in 1965, they are designed in the Mid-Century Modern style. Features include low-pitch shed roofs with built-up roofing and overhanging boxed eaves on the north and south façades Exterior walls are clad in rough stucco. Room entrances are composed of single flush-mounted metal doors with solid transoms above. Fenestration consists of groupings of wood double-hung sash windows, some with air conditioning units or vents. On the east and west façades, exterior metal stairways lead to cantilevered walkways on the second story of the north and south façades. Stairways and walkways are enclosed with metal guardrails composed of pipe railings and chain-link fencing. Other features include square soffit lights, wall-mounted light fixtures, louvered wall vents, and banks of wall-mounted metal lockers.

Mechanical Enclosure (13)

Situated in the eastern portion of the campus' western parcel, along Lincoln Park Avenue, this structure is one story in height and rectangular in plan. Built in 2001, this is a roofless structure composed of four concrete walls surrounding mechanical equipment.

Relocatable Building (14)

This portable classroom building (A-196) is one story in height and measures 912 square feet. Situated in the western portion of the campus' western parcel, it has a rectangular plan and wood-frame construction. Vernacular in style, this building was originally constructed on the campus in 1949 and moved to its current location sometime between 1972 and 1980. Features include a side-gable roof with composition shingles, overhanging open eaves, and exposed rafter tails. Exterior walls are clad in wood shiplap siding. The primary (southeast) façade has two room entrances. Entrances consist of a concrete stoop with side walls, a single wood slab door with wood-frame transom, and a shed roof with wood brackets. The northwest façade has a grouping of divided-light double-hung wood windows with metal

screens, one with a window-mounted air conditioning unit. The building's side façades have louvered vents in the gable ends. Other features include wall-mounted light fixtures.

Relocatable Storage Building (15)

This portable storage building (M-899) is one story in height and measures 360 square feet. Situated in the western portion of the campus' western parcel, it is utilitarian in its design, with a square plan and wood-frame construction. Constructed in 1973, it has a low-pitch shed roof and wood-panel wall cladding. The primary (east) façade has overhanging eaves and flush-mounted wood double-doors with a metal cross-bar lock.

Gardeners Storage Building (west campus) (16)

This portable storage building is one story in height and measures 360 square feet. Situated in the western portion of the campus' western parcel, it is utilitarian in its design, with a square plan and wood-frame construction. Constructed in 1964, it has a low-pitch shed roof and textured stucco wall cladding. The primary (south) façade has overhanging open eaves and a wood pull-up bay door. The east façade has a single wood door with a metal cross-bar lock.

Relocatable Building (17)

This portable classroom building (A-531)[5] is one story in height and measures 912 square feet. Situated in the southwestern portion of the campus' western parcel, it is utilitarian in its design, with a rectangular plan and wood-frame construction. This building was originally constructed on the campus in 1949 and moved to its current location sometime between 1952 and 1964. Features include a low-pitch shed roof with built-up roofing and overhanging open eaves on the west facade. Exterior walls are clad in textured stucco. The primary (east) façade has two room entrances. Entrances consist of concrete steps and landing with side walls, and a single wood slab door with a small hood. Above the entrances are three clerestory windows. The west façade has a grouping of divided-light double-hung wood windows with metal screens. Other features include louvered wall vents and wall-mounted light fixtures.

Relocatable Building (18)

This portable classroom building (A-482) is one story in height and measures 912 square feet. Situated in the southwestern portion of the campus' western parcel, it is utilitarian in its design, with a rectangular plan and wood-frame construction. This building was originally constructed on the campus in 1948 and moved to its current location sometime between 1972 and 1980. Features include a low-pitch shed roof with built-up roofing and overhanging open eaves on the west facade. Exterior walls are clad in textured stucco. The primary (east) façade has two room entrances. Entrances consist of concrete steps and landing with side walls, and a single wood slab door with a small hood and transom above. The west façade has a grouping of

[5] Some plans label this building A-271.

divided-light double-hung wood windows with metal screens. Other features include louvered wall vents and wall-mounted light fixtures.

Relocatable Building (19)

This portable building (J-223) is one story in height and measures 912 square feet. Situated in the northern portion of the campus' western parcel, which is currently occupied by Pueblo de Los Angeles Continuation High School, it is utilitarian in its design, with a rectangular plan and wood-frame construction. This building was originally constructed on the campus in 1953 and moved to its current location sometime between 1964 and 1972. Features include a low-pitch shed roof with built-up roofing and overhanging open eaves on the north and south façades. Exterior walls are clad in textured stucco. The primary (south) façade has three room entrances. Entrances consist of concrete steps and landing with side walls, and a single wood slab door with a small hood. The central door is flanked by a divided-light double-hung wood window. Above the entrances are five clerestory windows with metal screens. Secondary façades have additional divided-light double-hung wood windows with metal screens. Other features include louvered wall vents, a wall-mounted drinking fountain, and wall-mounted light fixtures.

Relocatable Building (20)

This portable classroom building (AA-2756) is one story in height and measures 1,568 square feet. Situated in the northern portion of the campus' western parcel, which is currently occupied by Pueblo de Los Angeles Continuation High School, it is utilitarian in its design, with a rectangular plan and wood-frame construction. This building was originally constructed on the campus in 1973 and moved to its current location sometime prior to 1980. Features include a low-pitch roof with built-up roofing and overhanging open eaves on the west facade. Exterior walls are clad in textured stucco. One visible entrance consists of a single wood slab door. Other visible features include louvered wall vents and wall-mounted light fixtures.[6]

Relocatable Building (21)

This portable classroom building (AA-351) is one story in height and measures 1,824 square feet. Situated in the northern portion of the campus' western parcel, which is currently occupied by Pueblo de Los Angeles Continuation High School, it has a rectangular plan and wood-frame construction. Vernacular in style, this building was originally constructed on the campus in 1947 and moved to its current location sometime between 1964 and 1972. Features include a side-gable roof with composition shingles, overhanging open eaves, and exposed rafter tails. Exterior walls are clad in wood shiplap siding. The primary (south) façade has four room entrances. Entrances consist of concrete steps and landing with metal pipe railings, a single wood slab door with wood-frame transom, and a shed roof with wood

[6] This building is only partially visible from the Lincoln High School campus and the public right-of-way.

brackets. The north façade has two groupings of divided-light double-hung wood windows with metal screens, some with window-mounted air conditioning units. The building's side façades have louvered vents in the gable ends. Other features include wall-mounted light fixtures.

St. John's Well Child & Family Center (22)

This pre-fabricated building is one story in height and measures 2,160 square feet. Situated in the northern portion of the campus' western parcel, which is currently occupied by Pueblo de Los Angeles Continuation High School, it was originally constructed on the campus in 2004. It is utilitarian in its design, with a rectangular plan and a low-pitch side-gable roof with no eaves. Exterior walls have paneled cladding. The north and south façades have a series of single window openings with metal screens. The main entrance is located on the building's north façade and is accessed via an accessibility ramp with metal pipe railings and chain-link fencing. Other features include wall-mounted air conditioning units and light fixtures.[7]

Modular Buildings (23, 24, 25, and 26)

This is a grouping of four identical portable classroom buildings situated side-by-side on the western portion of the campus' eastern parcel. Each building is one story in height and measures 960 square feet. Erected on this site in 2000, they are utilitarian in design, with a rectangular plan and wood-frame construction. They feature a low-pitched shed roof with a shallow overhang on the north façade and a deep overhang on the south façade. Exterior walls are clad in wood paneling with vertical scoring. Fenestration consists of wood-frame windows covered with metal screens. Entrances are composed of single metal slab doors with simple wood surrounds. Other features include exterior air condition units, metal downspouts, and wall-mounted light fixtures. The four buildings share a common accessibility ramp and elevated walkway with a metal guardrail.

Bleachers (27)

This structure is situated in the northern portion of the campus' eastern parcel, along the north side of the football field, and measures 12,155 square feet. Set into a steep hillside, it is composed of three large sets of bleachers to the west, and two smaller sets of bleachers to the east. Built in 1948, the structure is surrounded by concrete retaining walls topped with chain-link fencing. Aluminum seating is accessed via a series of concrete steps with metal pipe railings.

Gardeners Storage Building (east campus) (28)

This storage building is one story in height and measures 360 square feet. Situated in the southeastern portion of the campus' eastern parcel, it is utilitarian in design, with a rectangular

[7] This building is only partially visible from the public right-of-way.

plan and wood-frame construction. It was originally constructed on the campus in 1968. It has a flat roof with a shallow overhang on the north façade. Exterior walls are clad in smooth stucco. The entrance is on the north façade and is composed of a pair of slab double-doors with a hinged lock.

Other Features

Campus Quad (A)

The Campus Quad is the central landscaped open space on the western parcel around which the original campus buildings are oriented. Designed by architect Albert C. Martin and constructed in 1936, it is bounded by the Administration Building (1) to the north, the Home Economics Building (2) to the east, and the Auditorium Building (3) to the west. It is accessed via a set of wide concrete steps along N. Broadway which lead to the main entrance gates. The entrance gates consist of three pairs of decorative metal gates with a zig-zig pattern, set between simple rectangular concrete piers, and flanked by metal-framed sections of chain-link fencing.

The Quad has a formal, axial plan and largely symmetrical layout. Features include concrete paving with rectangular areas of red rectangular tiles and blocks, concrete curbs, grassy lawns with mature trees, concrete walks and steps, raised concrete planters with trees or shrubs, concrete planting beds with shrubs and flowers, and concrete accessibility ramps with metal guardrails. Along the quad's central axis from the main entrance gates to the Administration Building (1), there is a concrete and tile fountain, a flag pole, a wooden sign reading "Welcome to Lincoln High School," a raised planter with flowers and hedges flanked by concrete walks and stairs, and a bronze statue of a tiger, representing the school's mascot. Additional features include a commemorative plaque, raised wood planter boxes for gardening, metal benches, and steel drum trash receptacles. The paved area at the foot of the Administration Building steps is known as "Sal Castro Court."

Administration Courtyard (B)

The Administration Courtyard (also known as "Senior Court") is the landscaped open space in the campus' western parcel around which the north (rear) façade of the Administration Building (1) is oriented. Designed by architect Albert C. Martin and constructed in 1937, it has a formal, symmetrical layout. Features include concrete paving with rectangular areas of red rectangular tiles, concrete curbs, grassy lawns, and concrete accessibility ramps with metal guardrails. The center of the courtyard has two planting beds with shrubs and flowers. Set within the northern planter is the "Opportunity Gate," the original wrought-iron gate from the 1913 campus, along with two plaques noting the gate's origin and re-dedication upon the school's 50th anniversary in 1963. The southern planter contains an additional commemorative plaque. These planters are flanked by semi-circular hardscaped areas with small half-round planters and concrete and red block paving. Additional features include lunch tables with umbrellas and steel drum trash receptacles.

Parking Lot (C)

This is an asphalt-paved surface parking area situated between the Administration (1) and Shop (6) buildings on the campus' western parcel. This area appears to have become a dedicated parking lot around 2010.

Parking Lot (D)

This is an asphalt-paved surface parking area situated on the campus' western parcel, between the main portion of the Lincoln High School campus and the northern portion of the campus which is currently occupied by Pueblo de Los Angeles Continuation High School. This area appears to have become a dedicated parking lot around 1965.

Parking Lot (E)

This is an asphalt-paved surface parking area situated on the northern portion of the campus' western parcel which is currently occupied by Pueblo de Los Angeles Continuation High School. This area appears to have become a dedicated parking lot around 2015.

Parking Lot (F)

This is an asphalt-paved surface parking area situated on the northern portion of the campus' western parcel which is currently occupied by Pueblo de Los Angeles Continuation High School. This area appears to have become a dedicated parking lot around 2015.

Football Field & Track (G)

Originally constructed as the school's Athletic Field and Running Track, this athletic facility was built in 1948. Situated in the northeastern portion of the campus' eastern parcel, it is composed of a natural grass field surrounded by an oval dirt running track. Other features include two football goal posts and pole lights. The facility is surrounded by chain-link fencing.

Tennis/Basketball Courts (H and I)

Originally built as two tennis courts, this athletic facility was constructed in 1913 as part of the original campus. Situated in the southern portion of the campus' eastern parcel along N. Broadway, the courts are set into the upward-sloping hillside, bounded by concrete retaining walls, and secured with tall chain-link fencing. The eastern court is set somewhat higher than the western court, with a low concrete retaining wall between the two. The courts themselves are surfaced with concrete and have been striped to accommodate tennis, volleyball and basketball. Each court has four pole-mounted basketball hoops with backboards.[8]

[8] The Tennis/Basketball Courts are currently condemned because they are not ADA accessible.

Turf Area (J)

This built-up, flat turf area is a remnant of the original 1913 athletic field, which was situated at an angle in the eastern portion of the eastern parcel. This area became somewhat isolated from the rest of the athletic facilities with the installation of the current Football Field & Tract in 1948. The area is surrounded by tall chain-link fencing.

Original Campus Stairway (K)

This concrete stairway was the main entrance to the original 1913 campus. Situated in the southern portion of the eastern parcel, it is composed of a series of concrete stair flights and landings lined by low concrete side walls. The stairway steps up the steep hillside from N. Broadway to what was the original Administration Building at the top of the hill. At N. Broadway, the stairway splits into two flights set parallel with the sidewalk and bounded by concrete retaining walls and side walls with simple concrete caps. Additional features include side and center metal pipe handrails.

Original Campus Walkway (L)

This concrete walkway was a primary entrance to the original 1913 campus. Situated in the southwestern portion of the eastern parcel, it is composed of a series of concrete walks and stair flights lined by low concrete side walls. The walkway gradually climbs the steep hillside from the corner of N. Broadway and Lincoln Park Avenue to what was the original Administration Building at the top of the hill. Additional features include side metal pipe handrails.

Palm Trees (M)

A stand of Mexican fan palms spanning the eastern parcel along N. Broadway is a remnant from the original 1913 campus. These mature palm trees are evenly spaced and set into the sidewalk along the north side of N. Broadway, between Lincoln Park Avenue on the west and the end of the school property on the east. These trees were planted as young specimens to serve as a defining landscape feature of Lincoln High School's original campus.

TABLE 1. Campus Buildings & Features

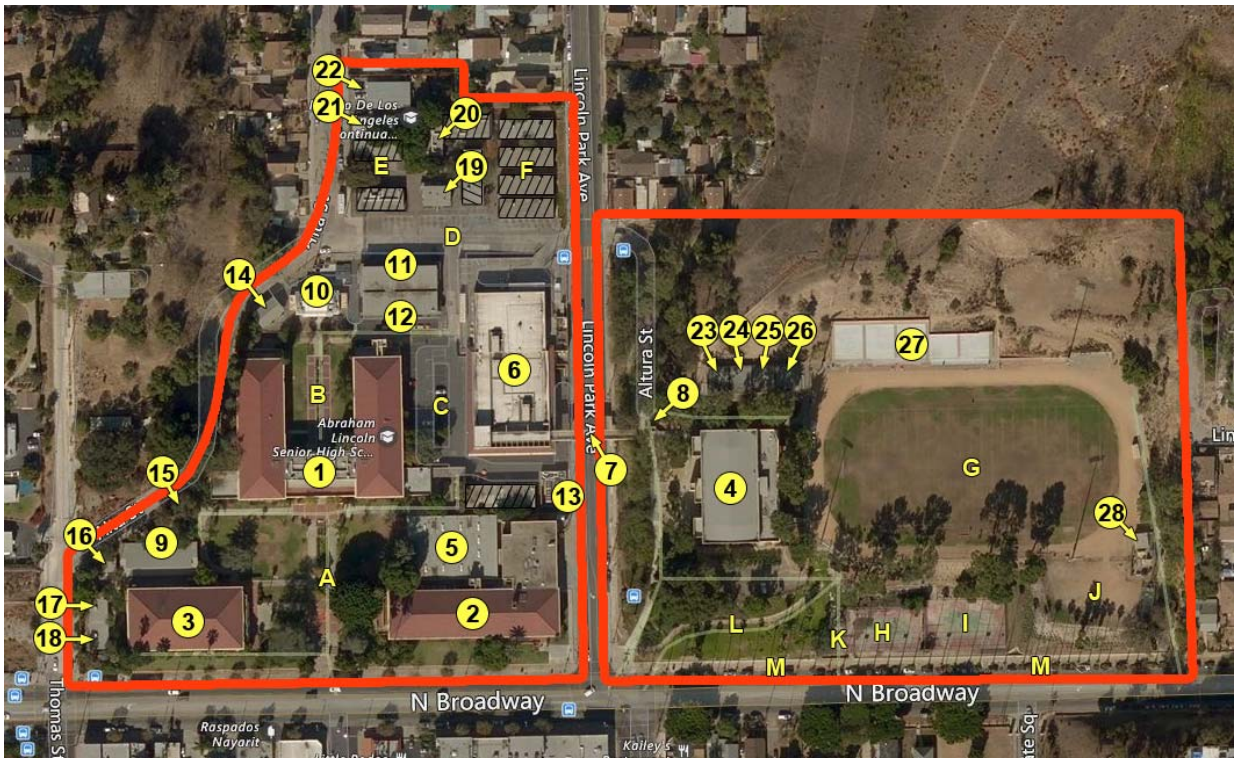
Ref. No.	Name	Architect	Style	Year Built
		Buildings		
1	Administration Building	Albert C. Martin	PWA Moderne	1937
2	Home Economics Building	Albert C. Martin	PWA Moderne	1937
3	Auditorium Building (Ethel Percy Andrus Theatre)	Albert C. Martin	PWA Moderne	1937
4	Physical Education Building	Albert C. Martin	PWA Moderne	1941
5	Lunch Pavilion	(unknown)	Late Modern	1978
6	Shop Building	Robert E. Alexander and Adolfo E. Miralles	Late Modern	1976
7	Pedestrian Overpass	Robert E. Alexander and Adolfo E. Miralles	(n/a)	1976
8	Elevator Tower	(unknown)	(n/a)	2000
9	Music Building No. 2	Edward H. Fickett	Mid-Century Modern	1963
10	Music Building No. 1	(unknown)	Mid-Century Modern	1949
11	Building A	(unknown)	Mid-Century Modern	1965
12	Building B	(unknown)	Mid-Century Modern	1965
13	Mechanical Enclosure	(unknown)	(n/a)	2001
14	Relocatable Building	(n/a)	Vernacular	1949[9]
15	Relocatable Storage Building	(n/a)	Utilitarian	1973
16	Gardener Storage Building (west campus)	(n/a)	Utilitarian	1964
17	Relocatable Building	(n/a)	Utilitarian	1949[10]

[9] This building was moved to its current location sometime between 1972 and 1980.
[10] This building was moved to its current location sometime between 1952 and 1964.

Ref. No.	Name	Architect	Style	Year Built
18	Relocatable Building	(n/a)	Utilitarian	1948[11]
19	Relocatable Building	(n/a)	Utilitarian	1953[12]
20	Relocatable Building	(n/a)	Utilitarian	1973[13]
21	Relocatable Building	(n/a)	Vernacular	1947[14]
22	St. John's Well Child & Family Center	(n/a)	Utilitarian	2004
23	Modular Building	(n/a)	Utilitarian	2000
24	Modular Building	(n/a)	Utilitarian	2000
25	Modular Building	(n/a)	Utilitarian	2000
26	Modular Building	(n/a)	Utilitarian	2000
27	Bleachers	(n/a)	(n/a)	1948
28	Gardener Storage Building (east campus)	(n/a)	Utilitarian	1968
	Other Features			
A	Campus Quad	Albert C. Martin	(n/a)	1936
B	Administration Courtyard	Albert C. Martin	(n/a)	1937
C	Parking Lot	(n/a)	(n/a)	c. 2010
D	Parking Lot	(n/a)	(n/a)	c. 1965
E	Parking Lot	(n/a)	(n/a)	c. 2015
F	Parking Lot	(n/a)	(n/a)	c. 2015
G	Football Field & Track	(n/a)	(n/a)	1948
H	Tennis/Basketball Courts	(n/a)	(n/a)	1913
I	Tennis/Basketball Courts	(n/a)	(n/a)	1913
J	Turf Area	(n/a)	(n/a)	1948
K	Original Campus Stairway	(n/a)	(n/a)	1913
L	Original Campus Walkway	(n/a)	(n/a)	1913
M	Palm Trees	(n/a)	(n/a)	1913

[11] This building was moved to its current location sometime between 1972 and 1980.
[12] This building was moved to its current location sometime between 1964 and 1972.
[13] This building was moved to its current location sometime prior to 1980.
[14] This building was moved to its current location sometime between 1964 and 1972.

FIGURE 2. Campus Buildings & Features Map



Source: Bing Maps © 2018

Campus Boundary 1 Building A Feature N

Historic resources may be designated at the federal, state, and local levels. Properties located in the City of Los Angeles can be listed in the National Register of Historic Places, listed in the California Register of Historical Resources, and/or designated as a City of Los Angeles Historic-Cultural Monument. In order for a property to qualify for historic listing or designation, it must meet one or more identified criteria for evaluation. The property must also retain sufficient historic integrity to evoke the sense of place and time with which it is historically associated.

National Register of Historic Places

The National Register of Historic Places was authorized by the National Historic Preservation Act of 1966 to serve as an authoritative guide to the nation's historic places worthy of preservation.[15] The National Register Program is administered by the National Park Service, U.S. Department of the Interior.

To be eligible for listing and/or listed in the National Register, a resource must possess significance in American history and culture, architecture, or archaeology. Listing in the National Register is primarily honorary and does not in and of itself provide protection of a historic resource. The primary effect of listing in the National Register on private owners of historic buildings is the availability of financial and tax incentives. In addition, for projects that receive Federal funding, a clearance process must be completed in accordance with Section 106 of the National Historic Preservation Act. Furthermore, state and local regulations may apply to properties listed in the National Register.

The criteria for listing in the National Register follow established guidelines for determining the significance of properties. The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high

[15] 36CFR60, Section 60.2.

artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. That have yielded, or may be likely to yield, information important in prehistory or history.[16]

California Register of Historical Resources

The California Register of Historic Resources is an authoritative guide to the state's significant historic resources. For a property to be considered eligible for listing in the California Register, it must be found to be significant under at least one of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California or national history; or
3. It embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.[17]

For integrity purposes, a resource eligible for listing in the California Register must retain enough of its historic character or appearance to be recognizable as a historical resource and to convey the reason(s) for its significance. It is possible that a resource lacking sufficient integrity for listing in the National Register may still be eligible for the California Register.[18]

City of Los Angeles Historic-Cultural Monuments

The City of Los Angeles Cultural Heritage Ordinance, enacted in 1962 and amended in 2018, allows for the designation of buildings and sites as individual local landmarks in the City of Los Angeles, known as "Historic-Cultural Monuments" (HCMs).

Section 22.171.7 of Article 1, Chapter 9, Division 22 of the City of Los Angeles Administrative Code defines a Historic-Cultural Monument as "any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles." A proposed Monument may be designated by

[16] 36CFR60, Section 60.3. Criterion D addresses potential archaeological resources, which is outside the scope of this assessment.
[17] Criterion 4 addresses potential archaeological resources, which is outside the scope of this assessment.
[18] State of California Department of Parks and Recreation, "California Office of Historic Preservation Technical Assistance Series #6: California Register and National Register: A Comparison" (Sacramento, CA: Office of Historic Preservation, 2011).

the City Council upon the recommendation of the Cultural Heritage Commission if it meets at least one of the following criteria:

1. Is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic or social history of the nation, state, city or community;
2. Is associated with the lives of historic personages important to national, state, city, or local history; or
3. Embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.[19]

Designation as a Historic-Cultural Monument is "reserved for those resources that have a special aesthetic, architectural, or engineering interest or value of a historic nature."[20] For integrity purposes, a resource eligible for local designation should retain enough of its historic character or appearance to convey the reason(s) for its significance.

Historic Significance

As defined by the National Park Service, *historic significance* is "the importance of a property to the history, architecture, archaeology, engineering, or culture of a community, state, or the nation."[21] It is achieved in several ways:

- Association with important events, activities or patterns
- Association with important persons
- Distinctive physical characteristics of design, construction, or form
- Potential to yield important information

A property may be significant individually or as part of a grouping of properties.

[19] Los Angeles Administrative Code (LAAC) Article 1, Chapter 9, Division 22; added by Ordinance No. 178,402, effective 4-2-07; amended by Ordinance 185,472, effective 4-28-18.
[20] "Historic-Cultural Monuments: What Makes a Resource Historically Significant?" Los Angeles Department of City Planning, Office of Historic Resources, https://preservation.lacity.org/commission/what-makes-resource-historically-significant (accessed August 2018).
[21] "National Register Bulletin 16A: How to Complete the National Register Registration Form (Washington D.C.: National Park Service, 1997), 3.

Integrity

In addition to meeting any or all of the evaluation criteria, eligible properties must also possess historic *integrity*. Historic integrity is the ability of a property to convey its significance and is defined as "the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period."[22]

The National Register recognizes seven aspects or qualities that comprise integrity: location, design, setting, materials, workmanship, feeling, and association. These qualities are defined as follows:

- *Location* is the place where the historic property was constructed or the place where the historic event took place.
- *Design* is the combination of elements that create the form, plan, space, structure, and style of a property.
- *Setting* is the physical environment of a historic property.
- *Materials* are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.
- *Workmanship* is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
- *Feeling* is a property's expression of the aesthetic or historic sense of a particular period of time.
- *Association* is the direct link between an important historic event or person and a historic property.[23]

Period of Significance

The National Park Service defines *period of significance* as "the length of time when a property was associated with important events, activities or persons, or attained the characteristics which qualify it for… listing" in National, State or local registers. A period of significance can be "as brief as a single year… [or] span many years." It is based on "specific

[22] "National Register Bulletin 16A," 4.
[23] "National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation" (Washington D.C.: National Park Service, 1995), 44-45.

events directly related to the significance of the property," for example the date of construction, years of ownership, or length of operation as a particular entity.[24]

Historic Districts

Standard preservation practice evaluates collections of buildings from similar time periods and historic contexts as *historic districts*. The National Park Service defines a historic district as "a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development."[25] A historic district derives its significance as a single unified entity.

According to the National Park Service, "a district can comprise both features that lack individual distinction and individually distinctive features that serve as focal points. It may even be considered eligible if all of the components lack individual distinction, provided that the grouping achieves significance as a whole within its historic context. In either case, the majority of the components that add to the district's historic character, even if they are individually undistinguished, must possess integrity, as must the district as a whole." Examples of districts include business districts, college campuses, large estates, farms, industrial complexes, residential areas, and rural villages.[26]

Resources that have been found to contribute to the historic identity of a district are referred to as *district contributors*. Properties located within the district boundaries that do not contribute to its significance are identified as *non-contributors*.

[24] "National Register Bulletin 16A," 42.
[25] "National Register Bulletin 15," 5.
[26] "National Register Bulletin 15," 5.

Evaluations

Post-Northridge Earthquake

In 1995, the Lincoln High School campus was evaluated as part of a larger effort to survey properties damaged by the 1994 Northridge earthquake. At that time, the original buildings of the reconstructed post-1933 Long Beach earthquake campus were identified collectively as a historic district consisting of four district contributors: the Administration Building (1937), the Home Economics Building (1937), the Auditorium Building (1937), and the Physical Education Building (1941), all of which were designed by noted Los Angeles architect Albert C. Martin. The Lincoln High School Historic District was assigned a California Historical Resource Status Code of "2S2," indicating that the district was determined eligible for listing in the National Register of Historic Places by consensus through the Section 106 process, and was therefore listed in the California Register of Historical Resources. Each of the four buildings was assigned a Status Code of "2D2," identifying it as a contributor to the district. Because the historic district is listed in the California Register, it qualifies as a historical resource pursuant to CEQA.[27] [See *Appendix G. DPR 523 Form (1995)* below.]

Other Documentation

There are a number of narrative documents – including historic context statements, theme studies, and multiple property documentation forms – which have identified the East Los Angeles Walkouts (or "Chicano Blowouts") of 1968 as a historically significant event in the history of Los Angeles schools. While these documents do not provide historic evaluations of specific properties, the discussion of this important event and the school properties associated with it are evidence of the historic significance of the five Los Angeles walkout schools, including Lincoln High School.

National Historic Landmark Theme Study

In August 2000, the National Park Service completed a theme study under the National Historic Landmarks Program entitled "Racial Desegregation in Public Education in the United States." The purpose of this theme study is to provide a contextual framework for identifying "historic places that best exemplify and illustrate the historical movement to provide for a racially nondiscriminatory education."[28] The Chicano Blowouts, and the Los Angeles schools

[27] California Historical Resources Inventory, August 15, 2011. This is the most recent version of the HRI currently available from the California Office of Historic Preservation. The listing for Lincoln High School does not identify the criterion or criteria under which the historic district was determined to be eligible.
[28] National Historic Landmarks Program, "Racial Desegregation in Public Education in the United States: Theme Study," National Park Service, August 2000, 1.

where they took place, are discussed in this theme study under the heading "Public Institutions, Desegregation, Black Studies, and Ethnic Studies."[29]

National Register of Historic Places Context Statement

In 2015, the California Office of Historic Preservation completed a statewide historic context statement entitled "Latinos in Twentieth Century California." The purpose of this context statement is to "document the history of Latinos in twentieth century California and provide a framework for the nomination of associated properties to the National Register of Historic Places."[30] The Chicano Blowouts, and the Los Angeles schools where they took place, are discussed in this historic context under the heading "Making a Democracy: Latino Struggles for Inclusion."[31]

LAUSD Historic Context Statement

In 2014, the Los Angeles Unified School District completed a district-wide historic context statement entitled "LAUSD Historic Context Statement, 1870-1969," prepared by Sapphos Environmental, Inc. The purpose of this context statement is to explore "over a century of development of the Los Angeles Unified School District (LAUSD), examined in the context of school design in the United States."[32] The Chicano Blowouts, and the Los Angeles schools where they took place, are discussed in this historic context under the heading "Civil Rights and School Integration."[33]

SurveyLA Historic Context Statement

In September 2015, the City of Los Angeles' Office of Historic Resources completed a citywide historic context statement entitled "SurveyLA Latino Los Angeles Historic Context Statement," prepared by GPA Consulting and Becky Nicolaides. The purpose of this context statement is to "provide guidance to field surveyors in identifying and evaluating potential historic resources relating to Los Angeles' rich Latino history."[34] The Chicano Blowouts, and the Los Angeles schools where they took place, are discussed in this historic context under the heading "1960s-1970s: Rise of Chicano Power."[35]

[29] See "Racial Desegregation in Public Education in the United States," 104-105.
[30] "Latinos in Twentieth Century California, National Register of Historic Places Context Statement," California Office of Historic Preservation, 2015, 1.
[31] See "Latinos in Twentieth Century California," 112.
[32] "Los Angeles Unified School District: Historic Context Statement, 1870 to 1969", prepared by Sapphos Environmental, Inc., Los Angeles Unified School District Office of Environmental Health and Safety, March 2014, 1.
[33] See "Los Angeles Unified School District: Historic Context Statement, 1870 to 1969," 110.
[34] "SurveyLA Latino Los Angeles Historic Context Statement," prepared by GPA Consulting and Becky Nicolaides, City of Los Angeles Department of City Planning, Office of Historic Resources, September 15, 2015, 1.
[35] See "SurveyLA Latino Los Angeles Historic Context Statement," 24.

National Trust for Historic Preservation

In June 2018, The National Trust for Historic Preservation named the "Walkout Schools of Los Angeles" to their annual list of 11 Most Endangered Historic Places, stating, "The Walkout Schools are five historic campuses that played a key role in the 1968 East L.A. Chicano Student Walkouts, which helped catalyze the national Chicano Civil Rights Movement…The schools include: James A. Garfield High School; Theodore Roosevelt High School; Abraham Lincoln High School; Belmont High School; and El Sereno Middle School (formerly Woodrow Wilson High School)."[36]

[36] "Discover America's 11 Most Endangered Places for 2018," National Trust for Historic Preservation, https://savingplaces.org/stories/11-most-endangered-places-2018#.W7az9fkh1hE (accessed September 2018.)

Development History

Early History

One of the five oldest high schools in the City of Los Angeles,[37] Abraham Lincoln High School has its origins in the Avenue Twenty-One Grammar School, which was established in 1878 at the northeast corner of what is now N. Broadway and Lincoln Park Avenue in Lincoln Heights. During the Spanish era, this site was part of the lands occupied by the original Pueblo de Los Ángeles. In 1856, the land was presented to Dr. John S. Griffin in appreciation of his services to the people of the pueblo. Dr. Griffin deeded the land to his nephew, Hancock Johnson, who in turn, sold it to a French nobleman, Baron de Roguiat.[38] The Baron and his wife built a beautiful home on the site, where they lived for eight years until the residence was destroyed by fire. The Baron subsequently sold the land to Thomas L. Woolwine, who erected his own impressive residence on the hilltop property along what was then Downey Avenue.[39]

In 1910, the population of Los Angeles was 319,000, and the area served by the Los Angeles City School District spanned over 85 square miles, with some 46,500 students enrolled.[40] By 1912, the Avenue Twenty-One Grammar School had been converted to an intermediate school and was growing so rapidly that it was in need of a new facility. The former Woolwine estate was selected as an ideal location for a new school. The Board of Education, under Superintendent J.H. Francis, purchased the property and soon plans for a new school campus were underway.[41] It was at this time that a bridge was constructed across the Los Angeles River, linking expanding eastside neighborhoods with the central part of the city. The bridge would connect Broadway in downtown Los Angeles with Buena Vista Street and Downey Avenue, both of which were subsequently renamed N. Broadway.[42]

In 1913, the intermediate school moved to the new school site, where classes were initially held in the former Woolwine residence and surrounding gardens while the new campus buildings were under construction. Under the direction of Principal Burt O. Kinney, the

[37] "Lincoln High School Turns 100 This Year," *Lincoln High School Alumni Association Newsletter*, Volume 6, Issue 1, Winter/Spring 2013. Lincoln High School is the one of the oldest high schools in Los Angeles, behind Los Angeles, Polytechnic, Manual Arts, and Hollywood high schools.
[38] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013. A portion of the campus property was first subdivided in September 1858, as part of the Plat of the City Lands of Los Angeles. An additional portion of the site was subdivided in January 1887 as the Baroness Rognait Tract.
[39] "Lincoln High to Fete 50th Anniversary," *Los Angeles Times*, May 12, 1963. Thomas L. Woolwine served as Los Angeles County District Attorney from 1914 to 1923. Some sources identify the property owner as W.W. Woolwine.
[40] "LAUSD Historic Context Statement," 43.
[41] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013.
[42] The Buena Vista Street Bridge, later the North Broadway Bridge, opened to traffic in September 1911.

school's curriculum was expanded to include the senior high school grades.[43] The new school opened for classes on September 16th, 1913, marking the official start of Lincoln High School.[44]

The new campus was planned and designed by architect Edgar H. Cline of the firm Needham & Cline. Intended to accommodate 1,000 pupils, plans called for a total of ten campus buildings, including a three-story main building, as well as a science building, auditorium, library, music hall, manual arts building, gymnasium, and an athletic field.[45] The Woolwine residence was to be converted into a domestic science building. Contemporary news articles touted the new nine-acre school site as a "veritable acropolis" and the planned campus as a "distinctive landmark" that would be "pointed out with pride" to visitors.[46] The school's curriculum would offer a number of vocational classes and make other accommodations for young people working part-time in local factories or stores, an arrangement that would allow students to earn a small salary and apply their knowledge while also continuing their schooling.[47] When completed, the new campus would represent an investment of well over half a million dollars and draw students from throughout Los Angeles' east side.[48]

As the plans for the new high school campus were revealed, students from the Avenue Twenty-One Intermediate School, who would soon be attending Lincoln High, noted that there were no tennis courts. As they protested to the school board, "a high school without tennis courts would be just as incongruous as a class without a teacher." However, due to limited funding, the Board denied the students' request. Undaunted, the students arranged to float an additional bond for the precise sum needed to construct two tennis courts, $900.[49] Today, the tennis courts – along with the main stairway, walkway, and palm trees – are the only remnants of the original Lincoln High School campus.[50]

The first buildings to be completed were the Administration and Science buildings, along with a heating a power building at the rear of the site, in 1914. Construction was temporarily halted due to a lack of funding, but voters' approval a new school bond issue made additional proceeds available to erect the auditorium, library, and music hall, which were completed in

[43] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013.
[44] The address for the original Lincoln High School campus was 3625 N. Broadway.
[45] "More Novelty in Teaching: Unique Courses for Lincoln High School," *Los Angeles Times*, May 20, 1913; "Three New Buildings for Lincoln High," *Los Angeles Times*, August 1, 1915.
[46] "Eye on Heights May Peirce Sky: Observatory at the Lincoln School," *Los Angeles Times*, August 15, 1915.
[47] *Los Angeles Times*, May 20, 1913.
[48] "Architects Urge Need of Proper City Plan," *Los Angeles Times*, February 15, 1914.
[49] "Student Body Floats Bonds," *Los Angeles Times*, August 3, 1913.
[50] "History of the Courts at Lincoln High," Kenny Washington Stadium Foundation, http://kwsfoundation.org/courts/history.html (accessed October 2018).

time for the 1917 school year.[51] Soon an athletic field was excavated from the hillside, and Lincoln's first football home game was played in October 1917.[52] With the new Lincoln High School up and running, the Avenue Twenty-One Intermediate School reverted back to its original rank as a grammar school.[53]

In 1916, Ethel Percy Andrus of Manual Arts High School was appointed Acting Principal of Lincoln High, making her the first woman to head a high school in California. During her tenure at Lincoln High School from 1916 to 1944, she lowered dropout rates, set high academic standards, and established innovative programs to develop students' character and skills. She pioneered vocational education and opened up the campus to the community, establishing the Opportunity School for Adults, an evening program designed to assist immigrant parents of her pupils; the program ultimately expanded to a full-time night school where adults could earn a high school diploma.[54]

In 1917, the citizens of the surrounding neighborhood were informed that they needed to select a new name for their community. Known to this point simply as East Los Angeles, or "the East Side," the ever-expanding neighborhood was being confused with other eastside communities, such as Garvanza and Boyle Heights. Motivated by pride in their new school, in March area residents voted to change the name of their community to "Lincoln Heights."[55] In 1919, the last intermediate class graduated and Lincoln became a full-fledged high school. A commission form of government was established, and a new constitution was adopted.

By 1920, the Lincoln High School campus had expanded to approximately nine buildings, and the street that bordered the western edge of the campus, previously Prichard Street, was renamed Lincoln Park Avenue. In the 1920s, the campus expanded westward across Lincoln Park Avenue, where two mechanical arts buildings and a fine arts building were erected.[56] Also

[51] *Los Angeles Times*, August 1, 1915; "High Schools to Go Ahead: Contract Let for Completion of 'Lincoln' Group," *Los Angeles Times*, January 9, 1916.
[52] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013.
[53] *Los Angeles Times*, August 3, 1913.
[54] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013; "Lincoln High School," Los Angeles Conservancy, https://www.laconservancy.org/locations/lincoln-high-school (accessed October 2018). Dr. Andrus would go on to become a strong advocate for older adults in the areas of pension reform, affordable healthcare, and age discrimination. In 1947, she established the National Retired Teachers Association (NTRA), and in 1958, she founded the American Association of Retired Persons (AARP).
[55] "'Lincoln Heights' is New Name, East Side," *Los Angeles Herald*, March 29, 1917.
[56] This western expansion of the campus marks Lincoln High School's first development on what is now that main school site (western parcel). Buildings included Mechanical Arts No. 1 (1921), Mechanical Arts No. 2 (1922), and the Ceramics Building (1926).

at this time, the long-promised gymnasium was ready for use, replacing a renovated stable from the Woolwine estate.[57]

A New Campus

The Long Beach earthquake of 1933 caused extensive damage to many schools throughout the Los Angeles region, resulting in the demolition of dozens of unreinforced masonry buildings and the redesign and modernization of many more. Damage from the 6.5-magnitude quake also led to a massive school rebuilding program, largely funded by the Public Works Administration (PWA), a New Deal-era program created by the National Recovery Act in June of 1933 in response to the Great Depression. As noted in the "LAUSD Historic Context Statement":

> As the school reconstruction program progressed, final steps included reinforcing or replacing 132 unreinforced masonry buildings, strengthening 275 buildings constructed since 1927, replacing 51 wood-frame buildings, and eliminating all temporary classroom housing. By 1937, over $34 million had been spent on post-earthquake school construction, repairs, retrofitting, and rehabilitation.[58]

At Lincoln High, the damage was not so much to the buildings themselves, but to the hillside beneath them. In October of 1934, the Board of Education ordered the "immediate abandonment of four main buildings at Lincoln High School, owing to evidence of an incipient landslide."[59] Inspections had revealed a strata of shale underlying the hillside site and evidence that the soil had slipped.[60] Contemporary news reports questioned whether there had been negligence in selecting the hillside site for the school campus.[61] Soon thereafter, the U.S. Army Corps of Engineers began erecting temporary tent classrooms on the school site, including several on the tennis courts. Ultimately there would be ten temporary classroom structures at Lincoln High, enough to accommodate all 2,400 members of its student body.[62] Initially, just four campus buildings were condemned, while classes continued in three other structures deemed safe.[63] Ultimately, however, nearly the entirety of the 1913 campus was demolished.[64]

[57] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013; "Work on Big Lincoln School Trades Shop to Begin Next Week," *Los Angeles Herald*, December 28, 1918.
[58] "LAUSD Historic Context Statement," 64.
[59] "Land Slide Peril Shuts High School: Four of Lincoln Buildings Close," *Los Angeles Times*, October 26, 1934.
[60] "Lincoln High Tents Built," *Los Angeles Times*, October 28, 1934; "Soil Tests Authorized," *Los Angeles Times*, November 2, 1934.
[61] "Lincoln High's Disaster," *Los Angeles Times*, October 29, 1934.
[62] *Los Angeles Times*, October 28, 1934; "Lincoln High's Students Start Classes in Tents," *Los Angeles Times*, October 30, 1934.
[63] *Los Angeles Times*, October 26, 1934.
[64] Extant remnants of the original 1913 campus include the Original Campus Stairway (K), the Original Campus Walkway (L), the two Tennis Courts (H and I), and the Palm Trees lining N. Broadway (M).

After considering a number of alternative locations, in 1936 the Board of Education selected the block just west of Lincoln Park Avenue for its reconstructed campus. Lincoln High School had already expanded onto a portion of this site in the 1920s with the construction of three vocational buildings. Plans for the new campus would retain these structures, with new buildings forming the core of the new campus along N. Broadway.

As school reconstruction began throughout the region, the Los Angeles City School District insisted upon buildings that were at once seismically sound and aesthetically modern. The "LAUSD Historic Context Statement" quotes a 1934 *Los Angeles Times* article, stating new and repaired buildings would be designed for "absolute safety with simplicity and beauty of architecture in harmony with the atmosphere and traditions of Southern California." While many designs were executed by the district's architectural department, bids were also issued to outside architects. In either case, buildings were expected to be explicitly Southern Californian in design and "free of needless ornamentation" which often failed and fell to the ground during earthquakes. This directive by the school district would mark both a move away from the period revival styles in the 1920s, as well as a prioritization of seismic safety.[65]

The reconstruction of Lincoln High School was included in this district-wide school rebuilding effort, and soon plans were underway to erect a new campus on the adjacent block.[66] Prominent Los Angeles architect Albert C. Martin was engaged to develop a campus plan and design four buildings and associated landscapes. Principal Andrus was also instrumental in the design of the school's new campus, expressing her intention that it resemble a college campus.[67] Beginning in 1936, Martin laid out an expansive new campus, what was then considered to be "the largest of the kind in the West," with the school's three main buildings oriented around a central landscaped courtyard along N. Broadway.[68] The Administration, Science and Classroom Building (now Administration Building) served as the focal point of the campus, just north of courtyard. East of the courtyard was the Commerce, Home Economics and Cafeteria Building (now Home Economics Building), and to the west, the Assembly and Music Building (now Auditorium Building). Differentiated by floorplans and massing, all of these buildings were designed in the popular PWA Moderne style. Common features included flat and low-pitch hipped roofs; concrete construction with smooth stucco wall surfaces; a

[65] "LAUSD Historic Context Statement," 63-65. The Los Angeles City School District's new safety standards were also in conformance with the Field Act, which mandated earthquake-resistant construction for all schools in California. Enacted just one month after the earthquake, the Field Act limited high school buildings to two stories and required the use of modern materials such as steel and reinforced concrete.
[66] "City's Great School Building Program Moves Rapidly Ahead," *Los Angeles Times*, May 10, 1936. The new campus was located at 3501 N. Broadway (currently the school's western parcel) between Lincoln Park Avenue and Thomas Street, requiring the re-routing of Alta Street.
[67] "Lincoln High School," Los Angeles Conservancy.
[68] "Lincoln Heights High School Will be Extensive Plant," *Los Angeles Times,* October 25, 1936.

header course of concrete block ornament; generous bands of divided-light wood windows; recessed building entrances with wood-panel multi-light entry doors; integrated concrete planters; and minimal ornamentation. Decorative elements were mostly limited to cast-stone bas-relief panels, and inspirational quotes, from Abraham Lincoln and others, incised in the concrete.[69]

In addition to the buildings, Martin designed a formal landscaped courtyard, or quad, complete with concrete and red tile paving, concrete walks and stairways, terraced lawns, planter beds, and a central flag pole. Behind the U-shaped Administration Building, Martin designed another landscaped courtyard, sometimes referred to as Senior Court, with a symmetrical arrangement of lawns, planters, and hardscape. The public face of the school was characterized by wide concrete steps which led to a series zig-zag patterned metal gates set between scored concrete pillars, and the street-fronting buildings were set back behind low concrete retaining walls and gently-sloping lawns.

The new campus opened in September 1937, with the core buildings constructed between 1937 and 1938. The construction contract was awarded to Del E. Webb and valued at just over $634,000.[70] During this transitional period, the three vocational buildings which had been erected on the eastern portion of the site in the 1920s remained in use. The few buildings that had remained in use on the original site were ultimately razed once the new campus was completed. The Gymnasium (now Physical Education Building), the last of the Albert C. Martin-designed buildings, was completed in 1941.[71]

Post-War Expansion

By 1948, all of the buildings from the original campus had been demolished and replaced with the athletic field, running track, and bleachers. A music building was added on the main parcel in 1949. The music building was designed in the Mid-Century Modern style, marking the school's first shift away from the PWA Moderne style toward more contemporary, and cost-effective, designs. By 1951, a pedestrian bridge had been erected over Lincoln Park Avenue, linking the school's eastern parcel to Mechanical Arts Building No. 2 on the main parcel. During the post-World War II boom years, Lincoln High School found itself with an ever-increasing student body and the need for more classrooms. In the 1950s and 1960s, a number of portable classroom buildings, or "relocatables," were added just north of the core

[69] Interior WPA art pieces on the campus include two wall paintings entitled "History of Los Angeles," Parts I and II, by Manuel de la Torre (1939), and two bas-relief wall panels, "Knowledge" by Conjecta Troncale, and "Progress" by Maurice Levine (dates unknown). All of these art pieces are extant in the Administration Building. "Abraham Lincoln High School – Los Angeles CA," The Living New Deal, https://livingnewdeal.org/projects/abraham-lincoln-high-school-los-angeles-ca/ (accessed October 2018).
[70] *Los Angeles Times,* October 25, 1936.
[71] *Los Angeles Times,* October 25, 1936.

campus buildings. In 1963, a new music building was constructed, designed in the Mid-Century Modern style by noted architect Edward H. Fickett. The new building contained an instrumental music room and a choral room; the first music building was subsequently converted to classrooms.

In 1963, Lincoln High School celebrated its 50th anniversary with the re-dedication of the "Opportunity Gate" in the Administration Building's courtyard. This wrought iron gate originally stood at the foot of the path leading to the hilltop buildings of the school's original campus.[72] By this time, the school had determined to expand its campus to the north, with residential properties north of Altura Street labeled on campus plans as "Future Property." By 1964, the residences were gone and a number of the campus relocatables had been moved to this area, making room for two permanent classroom buildings, Buildings A and B, completed in 1965. Also at this time, the school got its first dedicated surface parking lot, between the main part of the campus and the newly-acquired acreage to the north.

The campus continued to evolve into the 1970s. Between 1973 and 1974, the fine arts and two mechanical arts buildings from the 1920s were demolished to make room for a new two-story Shop Building (originally called the New Ceramics and Mechanical Arts Building). Designed by architects Robert E. Alexander and Adolfo E. Miralles, it was completed in 1976. The new Shop Building was constructed concurrently with a new pedestrian bridge over Lincoln Park Avenue. The Shop Building has since been converted to classrooms. In 1978, a Lunch Pavilion – composed of a food service building and a large canopy – was erected immediately adjacent to the Home Economics Building, in an area that had previously been an open-air outdoor dining area. That same year, the original 1913 tennis courts were resurfaced and restriped to accommodate tennis, volleyball, and basketball. Additional relocatables and small storage buildings were erected throughout the campus during the 1970s. By 1982, the northernmost part of the campus was occupied by Pueblo de Los Angeles High School (formerly Lincoln Continuation High School).[73]

Recent Developments

In 1990, a painted wall mural was added to the façade of the Auditorium Building, by artist Roberto "Tito" Delgado. In 1995, damage from the Northridge earthquake required building repairs throughout the campus. In 2000, a campus modernization project improved accessibility with the addition of four elevator towers: on the rear (north) façade of the Administration Building, on the courtyard façade of the Home Economic Building, at the eastern end of the Pedestrian Overpass, and on the front (west) façade of the Physical Education Building. In the quad, areas of damaged red tile paving were replaced with red concrete block. At the same time, four modular classroom buildings were added just north of the Physical Education Building, replacing two outdoor basketball courts. In 2001, a central

[72] "Alumni Rededicate Lincoln High Gate," *Los Angeles Times*, May 11, 1963.
[73] The address for Pueblo de Los Angeles is given as 2506 Alta Street.

HVAC system was installed for the Administration, Home Economics, and Auditorium buildings, allowing for the removal of window air conditional units and associated vents, conduit, and ductwork, and the restoration of original windows (wood and steel) in kind. A new mechanical enclosure was erected just north of the Home Economics building to house the system equipment. In 2004, a new modular building was added at the northwesternmost edge of the campus for the St. John's Well Child and Family Center, a health care clinic serving Pueblo de Los Angeles Continuation High School. By 2010, the area between the Administration and Shops buildings had become a surface parking lot, after previously having been planted with pepper and oaks, and later occupied by a number of relocatables.

On October 25, 2012, former Lincoln High School teacher Sal Castro was honored with the naming of the paved area just below the Administration Building as "Sal Castro Court."[74] Around 2015, a number of the relocatables in the northernmost part of the campus were removed and replaced by additional surface parking areas, and portions of the Administration Courtyard lawns were replaced with semi-circular areas of concrete and concrete block paving and in-ground planters. In 2018, the original pedestrian bridges on the eastern façade of the Physical Education Building were replaced with the existing steel bridges.

Today, Lincoln High School serves grades 9 through 12, accommodating an enrollment of approximately 1,350 students, with some 65 faculty and staff.[75]

Alterations

As described above, the Lincoln High School campus has evolved dramatically over its century-plus history, most notably with the abandonment of its original 1913 campus following the Long Beach earthquake, and reconstruction on a new site next door. Despite these changes over time, portions of the Lincoln High School campus have remained remarkably unchanged. In particular, the southernmost portion of the original campus site retains its original features from 1913 – including the Original Campus Stairway and Walkway (K and L), and the original Tennis Courts (H and I). Additionally, the core of the post-earthquake campus retains most of the buildings and spaces from the late 1930s and early 1940s – including the Campus Quad (A), the Administration Building and its courtyard (1 and B), the Home Economics Building (2), the Auditorium Building (3), and the Physical Education Building (4). Known campus alterations are summarized below.

- Administration Building (1) – wood bars added to leaded lights adjacent to main entrance; metal screens added to ground-floor windows; elevator tower added to north (rear) façade.

[74] "Lincolnian" yearbook, 1924, as reprinted in *Lincoln High School Alumni Association Newsletter*, 2013.
[75] These figures were taken from the school profile for the 2013-2014 school year, as provided by LAUSD.

- **Home Economics Building (2)** – metal screens added to ground-floor windows; flat canopy added to the north façade; elevator tower added to the courtyard façade.
- **Auditorium Building (3)** – original soffit lights with glass shade replaced with square plastic light fixtures; signage reading "Ethel Percy Andrus Theatre" added to entrance canopy; painted wall mural added to the primary (east) façade.
- **Physical Education Building (4)** – original wood awning and casement windows replaced with aluminum sliding windows throughout; access ramp and pipe railings added; elevator tower added to the primary (west) façade; original pedestrian bridges on the east façade replaced with steel bridges.
- **Shop Building (6)** – metal railings on west and east façades may be replacements for wood railings.
- **Music Building No. 1 (10)** – HVAC unit and duct work added on the roof; access ramp added.
- **Music Building No. 2 (9)** – wall-mounted light fixtures added.
- **Building A (11)** – window-mounted HVAC units added; wall-mounted light fixtures added.
- **Building B (12)** – window-mounted HVAC units added; wall-mounted light fixtures added.
- **Relocatable Building (14)** – window-mounted HVAC units added; wall-mounted light fixtures added.
- **Relocatable Building (17)** – wall-mounted light fixtures added.
- **Relocatable Building (18)** – wall-mounted light fixtures added.
- **Relocatable Building (19)** – wall-mounted light fixtures added.
- **Relocatable Building (20)** – wall-mounted light fixtures added.
- **Relocatable Building (21)** – window-mounted HVAC units added; wall-mounted light fixtures added.
- **Bleachers (27)** – aluminum benches may be replacements for wood benches.
- **Campus Quad (A)** – some red tile paving has been replaced with red concrete blocks; square planter around the flag pole replaced with red block paving; accessibility ramp with metal guardrails added; signage and commemorative plaques added; bronze sculpture of a tiger added; metal fencing around central planter added; a portion of the Campus Quad has been replaced with the Lunch Pavilion.

- **Administration Courtyard (B)** – portions of lawns replaced with semi-circular concrete and concrete block paving; in-ground planters added; accessibility ramp added.
- **Tennis Courts (H and I)** – resurfaced and restriped to accommodate tennis, volleyball and basketball; pole-mounted basketball hoops added.
- **Original Campus Stairway (K)** – original lamp posts removed; metal pipe handrails added.

Research

The Lincoln High School campus was evaluated using criteria and integrity thresholds for listing in the National Register of Historic Places and the California Register of Historical Resources, and for designation as a City of Los Angeles Historic-Cultural Monument. Research, field inspection, and analysis are based upon guidance from the National Park Service, the California Office of Historic Preservation, the City of Los Angeles Office of Historic Resources, and the Los Angeles Unified School District for evaluating potential historic resources.

Historic Resources Group conducted a wide-ranging document review in order to develop an understanding of the establishment and evolution of the Lincoln High School campus over time. Reviewed sources include:

- Relevant published histories
- Relevant historic context statements
- California Historical Resources Inventory (HRI)
- Historical building and campus plans and drawings
- Historical periodicals
- Historical maps
- Historic photographs and aerial images
- Sanborn Fire Insurance maps

Site visits were conducted on September 13 and November 19, 2018.

Relevant Contexts

LAUSD Historic Context Statement, 1870 to 1969

In addition to using all applicable evaluation criteria and integrity thresholds, this historic assessment utilized the methodology and framework for evaluations described in the 2014 "LAUSD Historic Context Statement, 1870-1969." Adopted by the LAUSD Board of Education, this historic context statement offers a consistent, standard approach for evaluation schools and school campuses throughout the School District. The document utilizes the National Register of Historic Places Multiple Property Documentation (MPD) format, which provides a comparative, context-driven framework for evaluating related properties. As discussed in that document, "the MPD approach defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then

assessed consistently, in comparison with resources that share similar physical characteristics and historical associations."[76]

The Lincoln High School campus has been evaluated under the following themes, as outlined in the "LAUSD Historic Context Statement":

CONTEXT: Public and Private Institutional Development, Education
THEME: LAUSD Pre-1933 Long Beach Earthquake School Plants, 1910-1933

Property Type:	Institutional/Educational
Property Subtypes:	Elementary, Junior High, and High School Buildings and Campuses
Period of Significance:	1910 to 1933
Area of Significance:	Education
Geographical Location:	Citywide
Criteria:	A/1, C/3
Eligibility Standards:	▪ Embodies LAUSD school planning and design ideals and principles of the era ▪ One of few remaining schools from the pre–1933 Long Beach earthquake era that was not substantially altered or remodeled ▪ Retains most of the associative and character-defining features from the period of significance
Character-Defining Features, Buildings/Structures:	▪ Articulated buildings plans, facilitating the creation of outdoor spaces (often T-shaped, E-shaped, U-shaped, and H-shaped plans) ▪ Generally low massing, usually one to two stories (with two to three stories more common for middle and senior high schools) ▪ Includes designed outdoor spaces, such as courtyards and patios, adjacent to classroom wings ▪ Exteriors usually lined with rows of grouped windows, including wood-framed multilight windows; expanses of windows often mark the location of classrooms ▪ Designed in popular period-revival styles of the era (including Spanish Colonial Revival, Renaissance Revival, Mediterranean Revival, and Collegiate Gothic) ▪ Often designed by prominent architects of the era
Character-Defining Features, Campus/District:	▪ Emphasis on a more spread-out site plan, with designed outdoor spaces ▪ More varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside) ▪ Might include an elaborate administration building, usually the focal point of the campus, as well as classroom wings, auditoriums, gymnasiums, and outdoor recreation areas ▪ Middle or senior high schools might include a gymnasium designed in the style of the campus overall
Integrity Considerations:	▪ Most pre-1933 schools were substantially remodeled following the Long Beach earthquake

[76] "LAUSD Historic Context Statement," 4.

- Designed outdoor spaces, such as courtyards and patios, should be intact in use, if not with landscape design and hardscaping; development pressures over the years often resulted in these open spaces being in-filled with new construction; overall sense of relationship of building to designed outdoor spaces should be intact
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance
- Intact campus groupings from a single period of time are not common
- Some materials and features may have been removed or altered
- Modern lighting and fencing of site acceptable

Comments:

- Schools from this period generally include additional buildings and structures added after the period of significance (in particular after World War II), which may be non-contributing
- Eligible properties under this theme may be a single building (generally the Administration Building, in combination with a classroom wings) or a grouping (campus) of buildings constructed during the period of significance
- Buildings and campuses exhibiting distinctive design features might also qualify under Criteria C/3, as the embodiment of the distinctive characteristics of a type, period, region, or method of construction, an excellent example of the work of a master architect, or for high artistic values

CONTEXT: Public and Private Institutional Development, Education
THEME: LAUSD Post-1933 Long Beach Earthquake School Plants, 1933-1945

Property Type:

- Institutional/Educational

Property Subtypes:

- Elementary, Junior High, and High School Buildings and Campuses

Period of Significance:

- 1933 to 1945

Area of Significance:

- Education

Geographical Location:

- Citywide

Criteria:

- A/1, C/3

Eligibility Standards:

- Exemplifies post-Long Beach earthquake school planning and design concepts of the period, including requirements under the 1934 Field Act
- One-story massing for elementary schools; up to two-stories for junior/high schools
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features, Buildings/Structures:

- One-story massing for elementary schools; up to two stories for middle and senior high schools
- Reinforced concrete, steel- or wood-frame construction
- Classroom wings designed for easy access and views to outdoors—with variations including L-, H-, T-shaped building plans
- Generous expanses of windows, including steel- and wood-framed multilight windows, awning and hopper casements, clerestories, and large-pane fixed windows; window groupings often mark the location of classrooms
- Stylistically more streamlined and less ornamental than 1920s period-revival styles
- Emphasis on "traditional Southern Californian" styles, such as Spanish Colonial and Mission Revival
- Styles can also include PWA Streamline Moderne, Art Deco, Late Moderne, and proto-modern styles

- May have been partially or fully funded through Works Progress Administration (WPA), 1935 to 1943
- WPA projects may include significant interior artwork such as murals, paintings and sculpture
- May have been designed by a prominent architect of the period

Character-Defining Features, Campus/District:

- Unified site plan consisting of buildings and structures designed and sited according to their use
- Use of designed outdoor and landscaped spaces, for outdoor study, recreation and dining
- Often displays connecting sheltered corridors throughout campus
- Emphasis on a more expansive site plan
- Varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Might include an elaborate administration building, located near the campus entrance; administration buildings usually serve as the focal point of the campus
- Campus often composed of groupings of classroom wings, auditoriums, gymnasiums, cafeterias, and outdoor recreation and dining areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations:

- Should retain most of the essential physical features from the period of significance
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Schools from this period generally include buildings constructed after the period of significance, in particular post-World War II buildings, which may be noncontributing
- Eligible properties under this theme may be a single building, if it exemplifies the design ideals of the era, or a grouping (campus) of buildings constructed during the period of significance
- Intact campus groupings from the pre-1945 era are not common
- Many pre-1933 schools were substantially remodeled following the Long Beach earthquake—may retain a 1920s plan but with 1930s stylistic detailing
- Pre-1933 schools rehabilitated post-1933 might exhibit added seismic supports of steel columns, beams, or diagonal bracing; original masonry might be covered by concrete/stucco sheathing
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance

Comments:

- Buildings exhibiting distinctive design features might also qualify under Criteria C/3, as the embodiment of the distinctive characteristics of a type, period, or method of construction, as an example of the work of a master architect, or for high artistic values

CONTEXT: Public and Private Institutional Development, Education
THEME: LAUSD and the Civil Rights Movement, 1954-1980

Property Type:

- Institutional/Educational

Property Subtypes:

- Elementary Schools, Junior High Schools, and High Schools

Period of Significance:

- 1954 to 1980

Area of Significance:	▪ Education/Ethnic Heritage
Geographical Location:	▪ Citywide
Criteria:	▪ A/1, B/2
Eligibility Standards:	▪ Was constructed during the theme of significance ▪ Was the site of significant integration initiatives, challenges, or activities related to the Civil Rights Movement and school integration ▪ Directly reflects the movement for equal access to schools and/or to employment opportunities in LAUSD schools ▪ Has a well-established, long-term association with a figure who was significant in the Civil Rights Movement and school integration (eligibility under B/2)
Character-Defining Features:	▪ Retains most of the associative and character-defining features from the period of significance
Integrity Considerations:	▪ Retains integrity of Location, Design, Setting, Feeling, Association ▪ Some materials may have been removed or altered ▪ If there are multiple buildings on campus constructed during the period of significance, these should be evaluated as a potential historic district

Development of Lincoln Heights

The following development history of Lincoln Heights has been excerpted from the SurveyLA historic resources survey report prepared for the Northeast Community Plan Area (CPA).[77]

> *Lincoln Heights*
>
> Located in the southwestern portion of the CPA, Lincoln Heights is roughly bounded by the Los Angeles River, the Arroyo Seco Parkway (110 Freeway), the hills of Montecito Heights, and Mission Road/Soto Street. It is oriented around North Broadway (originally Downey Avenue), which is prominently intersected by the north/south route of Daly Street/Pasadena Avenue.
>
> Originally known as East Los Angeles for its location east of the Los Angeles River, Lincoln Heights was first subdivided in 1873 from a portion of the original Pueblo de Los Angeles. Along with Boyle Heights, it was one of the city's first suburbs. Its subdividers established waterlines and a horse-drawn streetcar line (later replaced by interurban electric railway lines) to reach the new home lots of East Los Angeles, luring middle and upper-middle class residents to construct homes outside of the urban core. In 1878, the opening of a large public hospital (today part of the Los Angeles County+USC Medical Center) marked the arrival of the neighborhood. By the turn of the 20th century, the neighborhood had fully developed into an attractive residential area and business districts flourished along the major streets of Downey Avenue (now North Broadway), Kuhrts Avenue (now Main Street), and Daly Street/Pasadena Avenue, each of which held a streetcar line. Recreational facilities like Eastlake Park (now Lincoln Park), first established in 1881, provided green space to the newly urbanized neighborhood.
>
> During the first decades of the 20th century, East Los Angeles became a destination for working-class Angelenos of diverse ethnic backgrounds, many of whom worked for industries oriented around the Southern Pacific Railroad (which built its yards in the neighborhood in 1902) and established their households nearby. Agricultural interests, wineries, breweries, building materials manufacturers, and all kinds of distributors operated out of Lincoln Heights. Like Boyle Heights, East Los Angeles was a neighborhood that served as a first point of entry for many of Los Angeles' immigrant communities; new arrivals from Mexico, Italy, Yugoslavia, Ireland, Russia, Germany, and many other places found a home there. The area became particularly well known for

[77] "SurveyLA Historic Resources Survey Report: Northeast Los Angeles Community Plan Area," prepared by Historic Resources Group and Architectural Resources Group, February 2017, 20-22.

its Italian enclave, which was closely associated with the development of wineries like San Antonio. It also had a sizable Mexican American population from an early date, which expanded and diversified into a wider Latino American community during the post-World War II population boom. During the 1910s, Eastlake Park became the hub of a recreational district including a zoo, a carousel, an alligator farm, and an ostrich farm as well as the artificial lake, boathouse, and expansive grounds for which it was already known. In 1917, local residents voted to change the neighborhood's name to Lincoln Heights (apparently inspired in part by the 1913 opening of Lincoln High School).

Much of Lincoln Heights' built environment reflects its early development in the late 19th and early 20th centuries, and the neighborhood contains a large number of intact single-family residences in various Victorian architectural styles, including Queen Anne and Eastlake/Stick, as well as more modest, vernacular expressions of these highly articulated styles. Multi-family properties were also common, encompassing a range of types from duplex to four-flat to large apartment house, though fewer examples of these survive. Many of the neighborhood's earliest properties lie within the Lincoln Heights HPOZ. Craftsman architecture from the 1900s and 1910s is also common, while the 1920s-1930s Period Revival styles that dominate so much of Los Angeles are comparatively rare. In addition to the resources noted above, well-known historic properties in Lincoln Heights include the San Antonio Winery (HCM #42), the Edison Electric Steam Power Plant (HCM #388), the Federal Bank Building (HCM #396), and the Lincoln Heights Jail (HCM #587).

Lincoln High School and the Chicano Blowouts

Lincoln High School was one of five key schools to have participated in a series of student protest marches and walkouts in March of 1968, demanding better educational opportunities for Mexican American students in Los Angeles schools. Known as the East Los Angeles Walkouts or "Chicano Blowouts," these protests took place at five Los Angeles area high schools – Lincoln, Roosevelt, Garfield, Wilson, and Belmont – where over the course of a week an estimated 15,000 students left their classrooms and marched with supporters for access to better schools and a better education.[78] A number of additional Los Angeles schools also held protests in support of the walkouts.

[78] "Latinos in Twentieth Century California,"112.

The educational discrimination experienced by Mexican American students in Los Angeles schools was rooted in decades of policies which placed Mexican American students in vocational schools rather than in academic programs, resulting in widespread school segregation. Despite the landmark 1954 U.S. Supreme Court case *Brown vs. Board of Education*, which had officially ended segregation in the schools, factors such as ethnically separated neighborhoods, language barriers, and economic status contributed to de facto school segregation that persisted in Los Angeles.[79]

During this period, Los Angeles public schools utilized a "tracking system" whereby some schools offered more college preparatory classes while others prioritized vocational training. In practice, schools with large ethnic minority student populations often emphasized shop classes and home economics over a more academic curriculum, which came to be seen as a systematic attempt to exclude minority students from college. At that time, it was estimated that only one in 1,000 Mexican American students in Los Angeles schools earned a college degree.[80] In 1965, the University of California, Los Angeles had fewer than 100 Latino students in its student population of 25,000, and only seven Latinos attended California State University, Northridge.[81] Drop-out rates for students at Lincoln, Roosevelt, Garfield, and Belmont high schools ranged from an estimated 35 percent to nearly 60 percent, which was consistent with the high school drop-out rate for Mexican American students throughout the Southwest at this time.[82] Mexican American students suffered from low reading levels; Mexican culture was often portrayed in stereotypical or derogatory ways in the classroom; and speaking Spanish on campus was prohibited.[83]

Efforts to combat these conditions began in the early 1960s, as Mexican Americans stepped up the fight for equality in all aspects of society, motivated by a burgeoning Chicano civil rights movement. The Chicano Movement grew rapidly as Mexican American students began forming their own organizations on college campuses. In response to student pressure, in 1968 the nation's first Chicano Studies program was founded, at California State University, Los

[79] Shannon Davis, "Draft Supplemental Historic Resource Evaluation for Roosevelt Senior High School," Memorandum to Jessica Kirchner Flores, Impacts Sciences, ASM Affiliates, June 20, 2017.
[80] Mario T. Garcia and Sal Castro, *Blowout! Sal Castro and the Chicano Struggle for Educational Justice* (Chapel Hill, NC: University of North Carolina Press, 2011); "Los Angeles Walk Out," *Latino Americans*, PBS, air date September 30, 2013, https://www.pbssocal.org/programs/latino-americans/latino-americans-los-angeles-walk-out/ (accessed September 2018).
[81] "SurveyLA Latino Los Angeles Historic Context Statement," 23.
[82] Garcia and Castro; Davis; Kelly Simpson, "East L.A. Blowouts: Walking Out for Justice in the Classrooms," KCET, March 7, 2012, https://www.kcet.org/shows/departures/east-la-blowouts-walking-out-for-justice-in-the-classrooms (accessed September 2018).
[83] Garcia and Castro; "Los Angeles Walk Out;" "Hearings before the Select Committee on Equal Educational Opportunity of the United States Senate, Ninety-First Congress, Second Session on Equal Educational Opportunity, Part 4 – Mexican American Education," United States Department of Health, Education and Welfare, Office of Education, August 18, 19, 20, and 21, 1970, via Archive.org, https://archive.org/details/ERIC_ED052877/page/n1 (accessed October 2018).

Angeles.[84] Encouraged by increasing activism at area colleges, local high school students also began to organize. In the fall of 1967, Lincoln High School teacher Sal Castro began working with students across various eastside schools to help them advocate for their rights.

Castro's activism began while he was a teacher at Belmont High School, where he voiced his concerns that Latino students were underrepresented in student government and discriminated against in city college programs. He helped organize eligible Latino students to run for student council, but ran into trouble with the school administration for encouraging students to speak Spanish. Soon thereafter, Castro was transferred to Lincoln High School, where he taught multiple subjects and served as the school's athletic director.[85] At Lincoln High, Castro helped organize a Chicano club, a branch of the United Mexican American Students (UMAS).[86] As he became involved with students at the Mexican American Youth Leadership Conferences, Castro heard similar complaints about school conditions from students across Los Angeles County. Working with Castro, a group of high school students and student council officers circulated petitions and took their grievances directly to the LAUSD Board of Education. The petitions and student list of demands were introduced to the Board by Dr. Julian Nava, its only Latino member, but were dismissed.[87] Thus, in September of 1967, a group of students approached Castro with the idea of staging a walkout.

"Don't walk out," Castro advised them, "organize."[88] A committee was formed at each of the four East Los Angeles schools – Lincoln, Roosevelt, Garfield, and Wilson – with another committee that included students from all four schools. Students held meetings at their own high school campuses, as well as at the offices of *La Raza* newspaper. Despite months of planning, the walkouts were ultimately triggered by an impromptu protest at Wilson High School on March 1st, 1968, when some 200 students walked out of class over the cancellation of a student play. Due to this unplanned protest, on March 5th students and parents met in the basement of the Church of the Epiphany in Lincoln Heights and agreed that their walkout would take place the following day.[89]

The next morning, March 6th, Castro spread the word among Lincoln High School students that they would conduct their walkout that day. Castro also notified the school principal, who was unsuccessful in persuading him to abandon the protest. The plan was for all students to

[84] "Racial Desegregation in Public Education in the United States," 104.
[85] Garcia and Castro.
[86] Garcia and Castro.
[87] "Racial Desegregation in Public Education in the United States," 104.
[88] Dial Togerson, "Start of a Revolution? 'Brown Power' Unity Seen Behind School Disorders," *Los Angeles Times*, March 17, 1968.
[89] "La Raza," *Artbound*, season 9, episode 5. KCET, air date April 3, 2018. https://www.kcet.org/shows/departures/the-chicano-moratorium (accessed September 2018).

start walking out of class simultaneously at 10 am. However, when the time arrived, no students emerged from the classrooms. Activists, parents, and other supporters that had gathered in front of the school on N. Broadway began yelling for the students to walk out. Some activists entered the campus and were walking the halls of the Administration building, chanting, "Walk out! Walk out!" Soon, hundreds of Lincoln High students began walking out of class, retrieving homemade signs from their lockers and joining their supporters.[90] Sal Castro's classroom was located at the southern end of campus. He walked out with his students onto the sidewalk in front of the school. The school buildings were nearly completely vacated, as student protestors congregated in the central quad, and in front of the school on the front lawns and the public sidewalk along N. Broadway.[91] Between ten and fifteen teachers walked out with their students; most of the teachers and administrators remained inside the school buildings, some watching from the windows.[92] There were 3,000 students at Lincoln High School; most of them walked out.[93]

Castro had hoped that television crews would arrive to cover the protest. However, after an hour passed with no media in sight, the protestors decided to march to the LAUSD school board's local office at Hazard Park, approximately three-quarters of a mile from Lincoln High School. At the park, the group was met by a television news crew. Students asked the area superintendent to facilitate a meeting with the Board of Education, but he refused, saying he did not have that power, and instead accompanied the students back to Lincoln High so that the school would not be penalized for the walkout.

Later that evening, Castro met with student leaders at a local church, informing them that there had been no arrangements for a meeting with the school board. Disappointed, the Lincoln students agreed to wait until the next day to see how the walkout was covered in the media, and how the school board responded. However, the following day, students from Garfield, Wilson, and Roosevelt high schools participated in their own walkouts. It was estimated that approximately ninety percent of the student body had walked out at Lincoln, sixty percent at Roosevelt, eighty percent at Garfield, and between thirty and fifty percent at Wilson.[94] Frustrated by the lack of media coverage for the first protest, another walkout was planned for March 8. This time the four original East Los Angeles schools were joined by Belmont High School. Jefferson and Venice high schools, though not associated with the Chicano walkouts, held their own protests in solidarity.

[90] Garcia and Castro.
[91] "Los Angeles Walk Out."
[92] Garcia and Castro.
[93] "La Raza."
[94] Garcia and Castro.

These student protests became known as the East Los Angeles Walkouts or the "Chicano Blowouts." Between March 1st and March 8th, between 10,000 and 15,000 students walked out of classrooms from Wilson, Lincoln, Roosevelt, Wilson, Belmont, Jefferson and Venice high schools, and several other schools, all demanding an equal and culturally-relevant education.[95] The events expanded to include speeches, picketing, sit-ins, and emergency sessions of the school board.[96] In some instances, there were clashes with the police, resulting in violence and arrests. Ultimately, the walkouts continued for more than a week, garnering widespread media attention and involving community activists, teachers, parents, and students from some fifteen junior and senior high schools throughout the city.

In a special meeting on March 11, the students articulated their grievances in a list of 39 demands, presented to the Los Angeles Board of Education through the Educational Issues Coordinating Committee (EICC), a group of teachers, parents and community leaders which served as a voice box for the fight for equal student rights in the aftermath of the walkouts. Chief among their demands were calls for changes to the academic curriculum to reflect Mexican American history and culture, bilingual education, and the recruitment of teachers and administrators of Mexican descent in schools with a majority Mexican American student body.[97] Additional demands ranged from improvements to school buildings and smaller class sizes to Mexican food in the cafeteria.

At a subsequent meeting on March 26, held at the Lincoln High School auditorium, the Board presented their responses to each of the demands to a crowd of some 1,200 attendees. Presentations were made by student representatives, teachers, and parents from each of the four original walkout schools, as well as by Sal Castro. While the Board agreed with many of the demands, their responses often refuted or defended against the students' assertions or cited a lack of funding to address their concerns.[98]

On May 31, the offices of *La Raza* were raided and thirteen Chicano leaders – which came to be known as the "East L.A. 13" – were indicted on charges of disturbing the peace and disturbing the educational process, both misdemeanors.[99] Lincoln High School teacher Sal Castro was also charged with conspiracy, which is a felony. Under school district policy, all teachers accused of felonies are relieved of their teaching duties until the charges are resolved. Thus, following his release from jail, Castro was prohibited from returning to Lincoln High

[95] "Latinos in Twentieth Century California," 112; Simpson. Estimates of the number of students to participate in the walkouts vary widely by source.
[96] Togerson.
[97] Simpson.
[98] Davis, 7.
[99] "La Raza."

School, and instead was placed in an administrative position away from students.[100] On September 3rd, *La Raza* reported on a school board meeting at which some 400 Castro supporters demanded his return to Lincoln High before the new school year started. Protests continued for weeks before the school board finally voted to reinstate Castro on October 3, 1968.[101] All criminal charges against Castro were eventually dropped.[102]

Ultimately, the Chicano Blowouts proved to be the largest mobilization of Chicano youth leaders in Los Angeles history,[103] and the largest student walkout in U.S. history.[104] As reported in *La Raza*: "The first 15 days of March of the year 1968 will be known in the 'new' history of the Southwest as the days of the BLOWOUT. Chicano students define Blowout as 'high school students walking out for a better education.' During those days more than 10,000 high school students – most of them Chicano – walked out."[105] The walkouts did initiate reform in Los Angeles schools, and inspired Latino students to stage similar protests throughout the Southwest, including in Arizona, Colorado, and Texas.[106] The Los Angeles School Board eventually met a number of the students' demands, and Mexican American parents formed groups to monitor those changes.

More broadly, the 1968 walkouts "focused national attention, for the first time, on urban Chicanos as a vocal, assertive minority group."[107] As noted by school board member Dr. Julian Nava during the walkouts, "[t]he schools will not be the same hereafter."[108] In a look back 40 years later, a *Los Angeles Times* story entitled "'68 to '08—We're Not Finished" claimed that although there had been improvements in the conditions of Latino students, such as the end to the previous ban on speaking Spanish in school, there was much more to be accomplished. Regardless of the failure to achieve all the goals of the protesters, the Chicano Blowouts had a broad effect on the equal treatment of all minorities in the educational system and on civil rights in general.[109]

PWA Moderne Architecture[110]

Created by the National Industrial Recovery Act, the Public Works Administration (PWA) was founded within a few months of the March 1933 Long Beach earthquake. Following widespread damage to Los Angeles public schools in the wake of the earthquake, much school reconstruction work was funded by the PWA. Consequently, a substantial number of

[100] Jack McCurdy, "East Side Still Plagued with Hangover from School Boycott," *Los Angeles Times*, September 15, 1968.
[101] "La Raza."
[102] Davis, 7.
[103] Simpson.
[104] "Racial Desegregation in Public Education in the United States," 104.
[105] *La Raza* newspaper, March 31, 1968, as seen in "La Raza."
[106] "Latinos in Twentieth Century California," 112.
[107] Davis, 8.
[108] Togerson.
[109] Davis, 8.
[110] The following discussion of the PWA Moderne architectural style as applied to schools has been excerpted from the "LAUSD Historic Context Statement, 1870-1969," 124.

Los Angeles public schools either built or remodeled during this time exhibit some degree of PWA Moderne styling. Also referred to as "Stripped Classicism," the PWA Moderne often incorporates elements of a number of styles, including Classical Revival, Spanish Colonial Revival, Art Deco, and Streamline Moderne.

Compared with the Streamline Moderne, the PWA Moderne was more formal and symmetrical in its overall design, with less emphasis on curvilinear shapes and horizontality. This style is found throughout the United States, particularly for institutional buildings funded through the PWA. Although the PWA program was terminated in 1943, buildings continued to display these stylistic features.

Typical character-defining features of the PWA Moderne style include an emphasis on the vertical axis; symmetrical, formal design composition and massing; smooth wall surfaces, generally exhibiting stucco, concrete, and/or polished stone; usually displays a flat roof; piers, often fluted or reeded, separating recessed window channels; and incorporation of shallow relief panels and interior murals.

Associated Design Professionals

Albert C. Martin. Sr. (1879-1960) [111]

Albert Carey Martin was born in La Salle, Illinois on September 26, 1879. He received his Bachelor of Science in Architectural Engineering from the University of Illinois, Champaign-Urbana in 1902, and started his career as a draftsman for Brown-Ketcham Iron Works in Indianapolis, Indiana. In 1904, at the age of 25, Martin moved to Los Angeles to accept a position as Superintendent of Construction for Carl Leonardt & Co., one of the region's largest contracting firms. By 1908, he had established his own architectural and engineering practice, incorporating as A.C. Martin, Architect (1908-1945), which would go on to become one of the most prominent and prolific architectural firms in Los Angeles.

Martin's first major commission was the Million Dollar Theater in downtown Los Angeles (1918), Sid Grauman's first Los Angeles movie house, which featured the world's first cantilevered balcony constructed of reinforced concrete. Los Angeles' boom of the 1920s brought Martin some of his most notable commissions, including St. Vincent de Paul Catholic Church in University Park (1925), St. Monica Catholic Church (1926), and Los Angeles City Hall (with John Parkinson and John C. Austin, 1928). His firm grew substantially during this period, with up to one hundred employees.

Martin's firm remained productive through the Great Depression, due in large part to the rebuilding efforts that followed the 1933 Long Beach earthquake, including the reconstruction

[111] Compiled from various sources, including "Albert Carey Martin Sr. (Architect)," Pacific Coast Architecture Database (PCAD), http://pcad.lib.washington.edu/person/105/ (accessed October 2018); and "Albert C. Martin, Sr.," Los Angeles Conservancy, https://www.laconservancy.org/architects/albert-c-martin-sr (accessed October 2018).

of Lincoln High School in Lincoln Heights (1937-1941). During this period, Martin became one of the leading architects offering structural and seismic design expertise. Following the recovery from the Great Depression, Martin's firm was selected to design May Company's flagship department store at the corner of Wilshire Boulevard and Fairfax Avenue. The May Company Wilshire (1939) remains one of Los Angeles' best examples of the Streamline Moderne architectural style.

In 1945, Martin incorporated with his sons, Albert Carey Martin, Jr. and J. Edward Martin, to establish A.C. Martin and Associates (1945-1960). In 1959, Martin was recognized by the Los Angeles Chamber of Commerce, receiving its annual Man of Achievement Award for his contributions to the development of the city. He was a member of the Architects and Engineers Society of Los Angeles, the American Institute of Architects (AIA), and the Southern California Chapter of the Los Angeles Architectural Club. Martin died in Los Angeles on April 9, 1960, at the age of 80.

The firm's success continued beyond the tenure of its founder. Headed by a third generation of the Martin family, it was renamed A.C. Martin Partners, receiving additional notable commissions such as the Lakewood Center Shopping Center (1952), the Los Angeles Department of Water and Power headquarters building (1964), and ARCO Plaza (1972). Now known simply as AC Martin, it continues to be one of Los Angeles' leading architectural firms.

At Lincoln High School, Albert C. Martin was responsible for the design of the Administration Building (1), the Home Economics Building (2), the Auditorium Building (3), the Physical Education Building (4), the Campus Quad (A), and the Administration Courtyard (B).

Edward H. Fickett, FAIA (1916-1999) [112]

Edward H. Fickett was a fourth-generation Angeleno, born on May 16, 1923. He received his architecture degree from the University of Southern California in 1937, and served as a draftsman under prominent Los Angeles architects including Paul Williams, Sumner Spaulding, and Gordon B. Kaufmann. From 1942 to 1946, Fickett served in the United States Navy Civil Engineer Corps. He joined the American Institute of Architects in 1947, and in 1948 established what would become a highly successful practice, primarily designing moderate-income houses for large-scale builder clients in postwar Southern California. He designed some 60,000 buildings over the course of his career and participated in developing housing guidelines for the Federal Housing Administration, Veterans Administration, and the Department of Housing and Urban Development. From the late 1940s through the 1960s Fickett's house designs evolved from Traditional Ranch to Modern Ranch, using simple forms that were clearly modern and designed for efficient and economical construction. In 1949, he

[112] Compiled from various sources, including "Edward Fickett," Los Angeles Conservancy, https://www.laconservancy.org/architects/edward-fickett (accessed October 2018); and "Edward Hale Fickett," Pacific Coast Architecture Database (PCAD), http://pcad.lib.washington.edu/person/1091/ (accessed October 2018).

designed the 1,000-residence Sherman Park tract in the San Fernando Valley, considered the first large-scale tract of contemporary design in the Los Angeles area. Other large-scale developments include Meadowlark Park in Reseda (1953), Sherwood Park in the Hollywood Hills (1956), and Rollingwood Estates in Palos Verdes (1955).

Over the course of his career, Fickett designed bank buildings, restaurants, libraries, schools, commercial and industrial developments, and government buildings. He also designed many elaborate residences in Bel Air, Brentwood, and Malibu, and was the first architect to design cantilever tennis courts. Among his most notable designs are Edwards Air Force Base, the Naval Air Station at Los Alamitos, Spago Restaurant in West Hollywood, the Port of Los Angeles Passenger and Cargo Terminals, the Los Angeles Police Academy, and Dodger Stadium (with civil engineer Emil Praeger). Fickett died in 1999.

At Lincoln High School, Edward H. Fickett was responsible for the design of Music Building No. 2 (9).

Robert E. Alexander, FAIA (1907-1992)[113]

Robert Evans Alexander was born on November 23, 1907 in Bayonne, New Jersey, but resided in the Los Angeles area for most of his life. He received his architecture degree from Cornell University in 1930. He established his own architecture and planning practice in 1946, the same year he received the Honorable Award from the AIA for his work on Baldwin Hills Village, with Reginald Johnson and Clarence Stein. In 1948, Alexander became president of the Los Angeles Planning Board which led to many commissions from the Federal Housing Authority. Alexander worked independently until 1949 when he formed a partnership with Richard Neutra to design housing for Chavez Ravine (never built). During their eleven-year collaboration, Alexander and Neutra designed numerous college buildings, churches, and elementary schools, as well as an urban redevelopment project on the island of Guam. Local projects include Palos Verdes High School (1961), the Los Angeles County Hall of Records (1963), the Bunker Hill Residential Towers (1968), and the Brutalist-style Beckman Laboratories of Behavioral Biology building at Caltech (1974).

At Lincoln High School, Robert E. Alexander and Adolfo E. Miralles were responsible for the design of the Shop Building (6) and the Pedestrian Overpass (7).

Del E. Webb Construction Company

Del E. Webb was born in Fresno, California in 1899. After training in carpentry with his father, Webb moved to Phoenix, Arizona in 1928.[114] During this time, he worked in the construction industry and shortly thereafter went into business for himself. Webb's business, which came to

[113] Compiled from various sources, including "Robert Alexander," Los Angeles Conservancy, https://www.laconservancy.org/architects/robert-alexander (accessed October 2018); and "Robert Evans Alexander," Pacific Coast Architecture Database (PCAD), http://pcad.lib.washington.edu/person/180/ (accessed October 2018).
[114] Del E. Webb Foundation, https://dewf.net/DEWForg/MrWebb/MrWebb.html (accessed October 2018).

be known as the Del E. Webb Construction Company, grew substantially; by 1935, in the midst of the Great Depression, his company was valued at $3 million. The success of his company led him to open a branch in Los Angeles in 1937.

During World War II, Webb's company was awarded a number of government contracts for air bases and military installations in Arizona and California. In later years, they constructed nuclear field laboratory facilities and a rocket engine test stand in California. In 1946, the company built the Flamingo Hotel in Las Vegas. The Del Webb Corporation held ownership interest in various hotel properties, such as the Sahara, the Lucky Club in downtown Las Vegas, The Mint, and the Thunderbird Hotel. Becoming one of the largest casino owners in Nevada, Webb's company employed thousands of workers in the Las Vegas gaming industry. A lifelong baseball fan, Webb was also a co-owner of the New York Yankees for twenty years beginning in 1945.[115]

The Del Webb Corporation was also a leader in the development of planned retirement communities, constructing the first Sun City community in Phoenix, Arizona in 1960, and then taking the concept to other cities.[116] In addition, the company built a significant amount of postwar housing, both military and civilian, in the southwestern United States.[117]

Research suggests that the Del E. Webb Construction Company was responsible for the construction of the Administration Building (1), the Home Economics Building (2), and the Auditorium Building (3). It is unclear if they constructed other buildings on the campus.

Manuel de la Torre

Born in Aguas Calientes, Mexico in 1918, Manuel de la Torre migrated to the United States before attending Lincoln High School. Only a few years after graduating, de la Torre was retained to paint two murals in the new Administrative Building at Lincoln High School. Completed in 1939, the pair of murals is known as "The History of Los Angeles," Parts I and II.[118] De la Torre served in the United States Army Engineer Corps during World War II and operated a construction company for many decades thereafter. He held one of the longest continuous active contractor's licenses in Los Angeles County and was involved in the construction of numerous projects in the United States, Mexico, and American Samoa, remaining active until his death in 2005.[119]

[115] Daniel R. Levitt and Mark Armour, "Del Webb," Society for American Baseball Research, https://sabr.org/bioproj/person/db1a9611 (accessed October 2018); Harold Hyman, "Builder Del E. Webb Dies," *Las Vegas Sun*, July 5, 1974.
[116] Del E. Webb Foundation; Deanna DeMatteo, "Del E. Webb," Las Vegas Strip History, http://www.lvstriphistory.com/ie/webb.htm (accessed October 2018).
[117] Hyman.
[118] "Manuel de la Torre," obituary, *Pasadena Star-News*, February 17, 2005; "Lincoln High School 1939," yearbook via ancestry.com (accessed October 2018).
[119] *Pasadena Star-News*, February 17, 2005.

At Lincoln High School, Manuel de la Torre was responsible for the two wall paintings located in the Administration Building (1), entitled "History of Los Angeles," Parts I and II, completed in 1939.

The Lincoln High School campus was evaluated using criteria and integrity thresholds for listing in the National Register of Historic Places and the California Register of Historical Resources, and for designation as a Los Angeles Historic-Cultural Monument, as outlined above. For each criterion, guidelines provided by the National Park Service for evaluating a potential historic resource are discussed, followed by an evaluation of the Lincoln High School campus under that criterion.[120] As noted above, in order for a property to qualify for historic listing or designation, it must be *historically significant* under one or more identified criteria for evaluation, and it must also retain sufficient *integrity* to evoke the sense of place and time with which it is historically associated.

The buildings and features of the Lincoln High School campus have been evaluated collectively for their potential eligibility for listing and/or designation as a historic district. As noted above, the National Park Service defines a *historic district* as "a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development." The Lincoln High School campus is composed of a grouping of related buildings and features; therefore, consideration of this property as a potential historic district is an appropriate analytical framework for its evaluation.[121]

Criterion A/1/1 (association with important events or broad patterns of history)

According to the National Park Service, in order for a property to be considered significant under Criterion A, it must be associated with a specific event marking an important moment in national, state, or local history or prehistory; or a pattern of events or a historic trend that made a significant contribution to the development of a community, state, or the nation; or both. Furthermore, mere association with historic events or trends is not sufficient, in and of itself, to qualify under this criterion; the property's specific association must be considered important as well.[122]

Association with Early-20th Century School Development in Los Angeles

The Lincoln High School campus is significant as a historic district (Historic District #1) under National Register Criterion A, California Register Criterion 1, and Los Angeles Historic-Cultural Monument Criterion 1, under the themes of "LAUSD Pre-1933 Long Beach Earthquake School Plants, 1910-1933" and "LAUSD Post-1933 Long Beach Earthquake School Plants, 1933-1945," for its association with early-20th century school development in Los Angeles. The period of significance is 1913 to 1941, a timeframe which begins with the

[120] This report evaluates the subject property for eligibility under Criterion A/1/1, B/2/2, and C/3/3. Criterion D/4 addresses potential archaeological resources which is outside the scope of this study.
[121] "National Register Bulletin 15," 5.
[122] "National Register Bulletin 15," 12.

development of the original Lincoln High School campus and continues through the construction of the four main buildings of the post-earthquake campus.

This historic district includes extant features from the original 1913 campus, as well as the original buildings and spaces that make up the core of the post-earthquake campus. On the western parcel, district contributors include the Administration Building (1), the Home Economics Building (2), the Auditorium Building (3), the Campus Quad (A), and the Administration Courtyard (B). Also included on this parcel are the entrance gates, front lawns, steps, and retaining walls. On the eastern parcel, district contributors include the Physical Education Building (4), the Original Campus Stairway (K), the Original Campus Walkway (L), the Tennis Courts (H and I), and the Palm Trees (M). Also included are the entrance gates, front lawns, steps, and retaining walls in front of the school. The historic district also includes two non-contributors – the Lunch Pavilion (5) and Music Building No. 2 (9) – both of which are situated amid the contributors.

This historic district is significant under both the pre-1933 earthquake and post-1933 earthquake themes, as it includes buildings and features from both periods of school construction. As outlined in the "LAUSD Historic Context Statement," the pre-1933 theme captures an important period in the development of Los Angeles schools for two reasons. First, it represents the widespread reform of school design triggered by the Progressive Education Movement, which called for more expansive school plants and more specialized facilities and program-specific buildings (as opposed to the monumental big-block school). Secondly, this period occurred before a statewide overhaul of school building codes and practices following the 1933 Long Beach earthquake, which would transform school designs once again. Architecturally, schools from this period tended to employ one of the popular period revival styles of the day.[123]

As one of the oldest high schools in the city, the original Lincoln High School campus of 1913 was an excellent example of this period of school construction in Los Angeles. In fact, the LAUSD historic context statement uses an image of the campus circa 1925 to illustrate the type.[124] Spread out across a large hillside site, it consisted of a collection of differentiated buildings and facilities devoted to various activities, including a main building, science building, auditorium, library, music hall, manual arts building, gymnasium, and an athletic field. Its unified Neoclassical architecture not only reflected one of the popular period-revival styles of the time, but took quite literally the contemporary notion that a school should be a "beautiful

[123] "LAUSD Historic Context Statement," 9.
[124] "LAUSD Historic Context Statement," 30.

temple to learning, reflecting the community's aspirations for itself and its youth."[125] Indeed, newspaper articles of the time touted the new nine-acre school site as a "veritable acropolis" and the planned campus as a "distinctive landmark" that would be "pointed out with pride" to visitors.[126] Because of the acreage required for these expanded open-air campuses, these schools tended to be constructed on the city periphery.[127] Such was the case for Lincoln High School, which was erected on what was then the easternmost edge of Los Angeles. For their communities, school campuses were important symbols of civic identity.[128] In 1917, Lincoln High School was the namesake for the newly christened community of "Lincoln Heights."

However, because the vast majority of schools from this period were either substantially remodeled or completely demolished following the Long Beach earthquake, intact examples are quite rare. Indeed, all of the original Lincoln High School campus buildings were ultimately demolished following the discovery that the soil beneath the buildings had slipped. However, the campus features situated at the base of the hill have remained largely intact for over one hundred years. The original campus stairway and walkway, along with the Mexican fan palms along N. Broadway, date from a time when campuses featured "artfully designed and landscaped approaches" which reflected "a growing sense that public education was a community affair."[129] No campus buildings were erected at the bottom of the hillside site along N. Broadway, reflecting the tenet that buildings have generous setbacks, "taking into account adjacent traffic to ensure that classrooms were adequately buffered from street noise." Rather, all of the buildings were clustered on top of the hill, as architects placed a premium on "the patterns of the sun and interior illumination, in order to make the best of natural light in the classroom."[130] Hence, the bottom of the hill features the tennis courts. Thus, while the original 1913 Lincoln High School campus is no longer extant, its remnant features are important reminders of its earliest period of development and reflect some of the major principles of school planning and design from the pre-1933 earthquake period in Los Angeles.

The remainder of the district's contributing buildings and spaces were designed by noted Los Angeles Albert C. Martin and constructed between 1936 and 1941. These include the campus' four main buildings – Administration (1), Home Economics (2), Auditorium (3) and Physical Education (4); and its two primary outdoor landscapes – the Campus Quad (A) and the Administration Courtyard (B). Also included are the entrance gates, front lawns, steps, and retaining walls. Taken together, these features form the historic core of the post-1933 campus.

This portion of the campus reflects a number of the principles that guided campus planning and design during the post-earthquake period of school reconstruction, as outlined in the "LAUSD Historic Context Statement." First, it is representative of the requirements laid out by

[125] "LAUSD Historic Context Statement," 31.
[126] *Los Angeles Times*, August 15, 1915.
[127] "LAUSD Historic Context Statement," 37.
[128] "LAUSD Historic Context Statement," 31.
[129] "LAUSD Historic Context Statement," 9, 30.
[130] "LAUSD Historic Context Statement," 37-38.

the Field Act of 1934, which mandated earthquake-resistant construction for all schools in California. Under Field Act requirements, high school buildings could not exceed two stories in height and must be constructed of modern materials, such as reinforced concrete. Other design tenets of the period were a continuation of the progressive reforms that had started before the earthquake – such as preferences for a more child-scaled, open-plan school – which were also aligned with the goals of increased seismic safety. These included the use of L- and U-shaped building plans that accommodated courtyards and patio spaces, and adequate indirect lighting and ventilation provided through generous bands of windows.[131] At Lincoln High School, all four of the original buildings are one- or two-stories in height with reinforced concrete construction. The two buildings with classrooms – the Administration Building and the Home Economic Building – display continuous ribbons of divided-light double-hung wood windows, with interior stairwells illuminated by floor-to-ceiling groupings of wood awning windows. Classroom windows often look out onto landscaped courtyards, evidence of site planning that took into consideration sun patterns, interior cross-lighting, views and ventilation.[132] For all of these reasons, the historic core of the Lincoln High School campus is an excellent example of the major principles of school planning and design from the post-1933 earthquake period in Los Angeles.

Each of the contributing buildings, features, and spaces are highly intact and have been minimally altered over time. The district also contains two non-contributing buildings which are situated in close proximity to the contributors, and detract somewhat from the historic district. In particular, the Lunch Pavilion replaced a portion of the Campus Quad, and obscures views of the Home Economic Building's north- and west-facing facades. Additionally, in the Administration Courtyard, portions of lawns have been replaced with semi-circular concrete and concrete block paving and in-ground planters. Despite these alterations, the historic district as a whole retains integrity of Location, Setting, Design, Materials, Workmanship, Feeling, and Association from its period of significance.

Therefore, the Lincoln High School campus (Historic District #1) is eligible for listing in the National Register under Criterion A and the California Register under Criterion 1, and for designation as a Historic-Cultural Monument under Criterion 1, for its association with early-20th century school development in Los Angeles.

[131] "LAUSD Historic Context Statement," 11.
[132] "LAUSD Historic Context Statement," 50.

TABLE 2. Historic District #1, Contributors & Non-Contributors[133]

Ref. No.	Name	Year Built	District Status
1	Administration Building	1937	Contributor
2	Home Economics Building	1937	Contributor
3	Auditorium Building (Ethel Percy Andrus Theatre)	1937	Contributor
4	Physical Education Building	1941	Contributor
5	Lunch Pavilion	1978	Non-Contributor
9	Music Building No. 2	1963	Non-Contributor
A	Campus Quad	1936	Contributor
B	Administration Courtyard	1937	Contributor
H	Tennis/Basketball Courts	1913	Contributor
I	Tennis/Basketball Courts	1913	Contributor
K	Original Campus Stairway	1913	Contributor
L	Original Campus Walkway	1913	Contributor
M	Palm Trees	1913	Contributor

[133] Also included in the historic district are the entrance gates, front lawns, steps, and retaining walls in front of the school.

FIGURE 3. Historic District #1 Map

Source: Bing Maps © 2018

District boundary | 1 Building | A Feature | Non-contributor | N

Association with the "Chicano Blowouts"

A portion of the Lincoln High School campus is also significant as a historic district (Historic District #2) under National Register Criterion A, California Register Criterion 1, and Los Angeles Historic-Cultural Monument Criterion 1, under the theme of "LAUSD and the Civil Rights Movement, 1954-1980," for its association with the East Los Angeles Walkouts, also known as the "Chicano Blowouts." The period of significance is 1968, when the Blowouts took place.

This historic district is situated on the western parcel only, and includes buildings, spaces, and features which figured prominently in the events that comprised the walkouts and their aftermath. District contributors include the Administration Building (1), the Home Economics Building (2), the Auditorium Building (3), and the Campus Quad (A). Also included are the entrance gates, front lawns, steps, retaining walls, and public sidewalk in front of the school. The district also includes two non-contributors – the Lunch Pavilion (5) and Music Building No. 2 (9) – both of which are situated amid the contributors.

As outlined in the "LAUSD Historic Context Statement," a school eligible under this theme might be "the site of significant integration initiatives, challenges, or community activities related to the Civil Rights Movement and school integration," including "initiatives for equal access to schools."[134] The LAUSD historic context goes on to cite the 1968 East Los Angeles Walkouts as one of the significant events of the postwar period designed to address and correct "decades of de facto racial segregation" in Los Angeles schools:

> By the 1960s, as the Civil Rights movement gained momentum, this long-brewing issue finally came to a head and formed an important part of the social context shaping the district during this time…In 1968, Latin-American students in East Los Angeles staged a series of school strikes popularly known as the "East L.A. Blowout." During the first week of March 1968, approximately 15,000 students walked out of classes at Woodrow Wilson, Garfield, Abraham Lincoln, Theodore Roosevelt, Belmont, Venice, and Jefferson high schools with demands for an "equal, qualitative, and culturally relevant education."[135]

As described above, Lincoln High School was critical in the planning and organizing of the events that became known as the "Chicano Blowouts of 1968." Going back to the fall of 1967, Lincoln High School teacher Sal Castro began working with students across various

[134] "LAUSD Historic Context Statement," 14.
[135] "LAUSD Historic Context Statement," 108, 110.

eastside schools to help them advocate for their rights. After the LAUSD Board of Education dismissed a list of grievances presented by a group of high school students, the students approached Castro with the idea of staging a walkout. Castro encouraged the students to organize, and soon walkout committees were formed at each of the four East Los Angeles schools, with another committee that included students from all four schools. After months of planning, the first of the organized student walkouts took place at Lincoln High School on March 6th, 1968.[136] Sal Castro led his students out of their classroom, through the campus quad, and onto the lawns and sidewalks in front of the school, where they were joined by additional teachers and a group of community activists. Of the over 3,000 students at Lincoln High School at the time, most of them walked out. The following day, students from Garfield, Wilson, and Roosevelt high schools participated in their own walkouts.

Intended as a media event, organizers were frustrated by the lack of news coverage of the initial walkouts, and thus scheduled a more coordinated walkout for March 8th. This time, the four original East Los Angeles schools were joined by Belmont High School. Jefferson and Venice high schools, though not associated with the Chicano walkouts, held their own protests in solidarity. As a result of his role in the walkouts, Castro was ultimately charged with felony conspiracy and barred from returning to Lincoln High School, which in turn sparked weeks of additional protests. Beginning in September of 1968, supporters of Castro, many of them parents of Lincoln High School students, picketed in front of the school campus demanding his reinstatement.

Due to Lincoln High School's central role in the walkouts and subsequent protests, much of the news media coverage captured the activities that occurred in front of the Lincoln High School campus. Film footage and still photographs of the walkouts themselves show the students gathering in the quad with signs, marching toward the entrance of the Administration Building, or passing through the entrance gates to congregate on the sidewalk in front of the school. Images depict students on the school's front lawns as Castro speaks. As more students leave their classrooms, images show crowds of students filling the lawns and sidewalks in front of the school, with the core campus buildings visible in the background. Similarly, images of the pro-Sal Castro protests show picketers on the sidewalk in front of Lincoln High School, again with the core of the campus visible in the background. Thus, not only was the core of the Lincoln High School campus the visual backdrop of many of these events, but these buildings and spaces – as viewed from the public right-of-way – largely formed the public's perceptions of the Chicano Blowouts.

As noted above, a number of documents have acknowledged the historic significance of the five Los Angeles walkout schools for their association with the Chicano Blowouts of 1968, including a National Historic Landmark theme study on racial segregation in public schools,

[136] A previous impromptu protest occurred at Wilson High School on March 1st, when some 200 students walked out of class over the cancellation of a student play; this event created a sense of urgency in the staging of the planned walkouts.

SurveyLA's historic context statement on Latinos in Los Angeles, the National Trust for Historic Preservation's 11 Most Endangered Historic Places, as well as the National Register historic context statement entitled "Latinos in Twentieth Century California," which states:

> Beginning in the 1960s, Chicanos stepped up the fight for equality, in light of continued educational discrimination and motivated by the spirit of the Chicano movement. Students led many of these efforts, demanding access to good schools and recognition of Latinos in educational curricula. Important early actions were the "blow-outs" of spring 1968, the name given to a series of protests by high school students against the Los Angeles Unified School District (LAUSD)…Along with the students themselves, Sal Castro, a teacher at Lincoln High School, helped organize the walkouts. These protests gained wide media attention when police actions spurred violence at some of the demonstrations. When 13 protesters were arrested—including Castro—many of the protestors shifted their focus to defending them. These walkouts inspired Latino students to stage similar protests in Santa Clara [California]…as well as in Texas, Arizona, and Colorado.[137]

Each of the contributing buildings, features and spaces are highly intact and have been minimally altered over time. The district also contains two non-contributing buildings which are situated in close proximity to the contributors. However, due to their siting behind contributing buildings, these non-contributors are not visible from the public right-of-way and therefore do not detract from the historic district.[138] The historic district as a whole retains integrity of Location, Setting, Design, Materials, Workmanship, Feeling, and Association from its period of significance.

Therefore, the Lincoln High School campus (Historic District #2) is eligible for listing in the National Register under Criterion A and the California Register under Criterion 1, and for designation as a Historic-Cultural Monument under Criterion 1, for its association with the Chicano Blowouts of 1968.

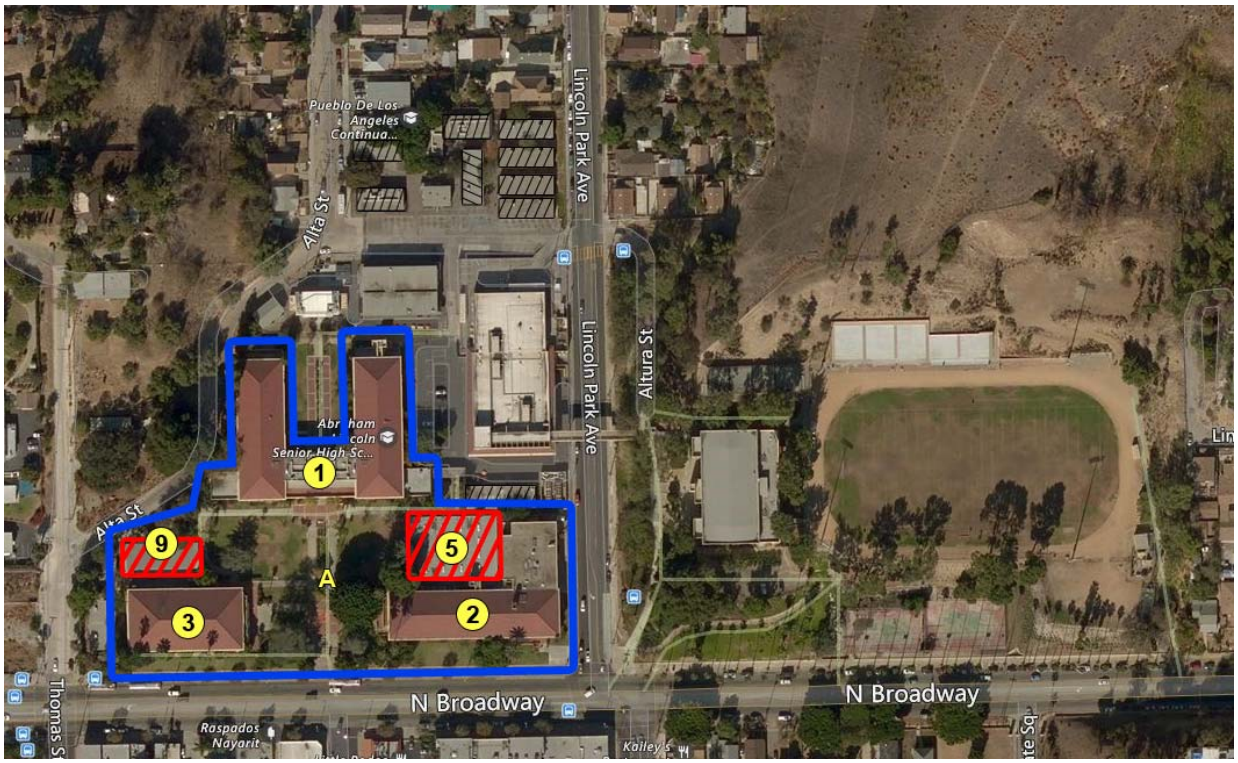
[137] "Latinos in Twentieth Century California," 112.
[138] The Lunch Pavilion (5) is situated behind the Home Economic Building (2), and Music Building No. 2 (9) sits behind the Auditorium Building (3).

TABLE 3. Historic District #2, Contributors & Non-Contributors[139]

Ref. No.	Name	Year Built	District Status
1	Administration Building	1937	Contributor
2	Home Economics Building	1937	Contributor
3	Auditorium Building (Ethel Percy Andrus Theatre)	1937	Contributor
5	Lunch Pavilion	1978	Non-Contributor
9	Music Building No. 2	1963	Non-Contributor
A	Campus Quad	1936	Contributor

[139] Also included in the historic district are the entrance gates, front lawns, steps, retaining walls, and public sidewalk in front of the school.

FIGURE 4. Historic District #2 Map



Source: Bing Maps © 2018

District boundary | 1 Building | A Feature | Non-contributor | N

Criterion B/2/2 (association with important persons)

According to the National Park Service, in order for a property to be considered significant under Criterion B, it must be associated with the life of an individual whose activities are demonstrably important within a local, state, or national historic context. A property is not eligible if its only justification for significance is that it was owned or used by a person who is a member of an identifiable profession, class, or social or ethnic group. It must be shown that the person gained importance within his or her profession or group. In addition, the property must be associated with a person's productive life, reflecting the time period when he or she achieved significance.[140]

Association with Ethel Percy Andrus

The Lincoln High School campus is significant as a historic district (Historic District #1) under National Register Criterion B, California Register Criterion 2, and Los Angeles Historic-Cultural Monument Criterion 2, under the themes of "LAUSD Pre-1933 Long Beach Earthquake School Plants, 1910-1933" and "LAUSD Post-1933 Long Beach Earthquake School Plants, 1933-1945," for its association with Ethel Percy Andrus. The period of significance is 1916 to 1944, which coincides with Andrus' tenure as principal of Lincoln High School.

Ethel Percy Andrus was a longtime educator and elder rights activist and is likely best known as the founder of the American Association of Retired Persons (AARP). Born in San Francisco on September 21, 1884, Andrus spent her early life in Chicago. After earning an undergraduate degree in philosophy from the University of Chicago in 1903, she began teaching. Inspired by progressive activists like Jane Addams, Andrus joined the settlement movement, teaching school during the day and spending her evenings and weekends working at Addams' famous Hull House. Andrus moved back to California in 1910 where she taught at Santa Paula High School and then at Manual Arts High School. In 1916, at the age of 32, she was appointed acting principal of Lincoln High School, becoming California's first-ever female high school principal.[141]

During her 28-year tenure at Lincoln High School, she worked to raise academic standards and lower dropout rates. She started the Junior Coordinating Council, an outreach program that sent students into the community to serve as volunteer nurses' aides or run errands for older shut-ins. She established the Opportunity School for Adults, an evening program designed to assist immigrant parents of her pupils; the program ultimately expanded to a full-

[140] "National Register Bulletin 15," 15.
[141] Patrick J. Kiger, "Ethel Percy Andrus," AARP, https://www.aarp.org/politics-society/history/champions-of-aging-photos/ethel-percy-andrus-aarp-founder.html (accessed October 2018).

time night school where adults could earn a high school diploma. Andrus organized the Foundation to Assist California Teachers, which raised funds to assist retired faculty who were struggling to make ends meet, and helped to start retirement homes in Inglewood and Pasadena.[142] While at Lincoln High, Andrus earned a master's degree and doctorate from the University of Southern California, in 1928 and 1930, respectively. She was also instrumental in the design of the school's new campus following the Long Beach earthquake, expressing her intention that it resemble a college campus.[143]

In 1944, Andrus retired from her position at Lincoln High School to care for her ailing mother, and soon learned of the plight of many retired teachers who were living on inadequate pensions and often without health insurance. As the story goes, the galvanizing moment came when she discovered a former colleague living in a chicken coop in a small town outside Los Angeles.[144] Outraged, she became active in the California Retired Teachers Association and in 1947 founded the National Retired Teachers Association (NRTA), when she was 63. Wishing to expand membership to all retires, in 1958 she founded the American Association for Retired Persons (AARP), which gave older people a collective voice to advocate for pension reform, affordable health care, financial security, improved housing, and an end to age discrimination. Andrus fought for affordable health insurance for older Americans, finally creating the first group health insurance program for older Americans in the country, a decade before Medicare.[145]

In 1954, Andrus moved to Ojai, California where she established Grey Gables, a retirement community for teachers where she herself lived. She continued to travel and work long hours promoting AARP until her death from a heart attack in 1967 at the age of 83. Following her death, nearly 1,000 of her former students gathered at Lincoln High School to pay tribute to her by renaming the school's auditorium in her honor. Also named for her is the Ethel Percy Andrus Gerontology Center at the USC's Leonard Davis School of Gerontology, the oldest and largest professional gerontology school in the country. In 1993, Andrus was inducted into the National Women's Hall of Fame, and in 1995, she was designated a Women's History Month Honoree by the National Women's History Project.

Andrus' time as principal of Lincoln High School was not only meaningful for the students and the larger Lincoln Heights community she served, but it was also formative in her transition to social activism, first for retired teachers, and ultimately for all older Americans. As Andrus' tenure at Lincoln High School extend from 1916 to 1944, this historic district (Historic District #1) includes extant features from the original 1913 campus, as well as the original buildings and spaces that make up the core of the post-earthquake campus.

[142] Kiger.
[143] "Lincoln High School," Los Angeles Conservancy.
[144] Kiger.
[145] Jo Ann Jenkins, "Nevertheless, She Persisted," AARP, https://www.aarp.org/politics-society/advocacy/info-2018/womens-history-month-ethel-percy-andrus-jaj.html (accessed October 2018).

As described above, on the western parcel, district contributors include the Administration Building (1), the Home Economics Building (2), the Auditorium Building (3), the Campus Quad (A), and the Administration Courtyard (B). Also included on this parcel are the entrance gates, front lawns, steps, and retaining walls. On the eastern parcel, district contributors include the Physical Education Building (4), the Original Campus Stairway (K), the Original Campus Walkway (L), the Tennis Courts (H and I), and the Palm Trees (M). The historic district also includes two non-contributors – the Lunch Pavilion (5) and Music Building No. 2 (9) – both of which are situated amid the contributors.

Each of the contributing buildings, features and spaces are highly intact and have been minimally altered over time. The district also contains two non-contributing buildings which are situated in close proximity to the contributors, and the detract somewhat from the historic district. In particular, the Lunch Pavilion replaced a portion of the Campus Quad, and obscures views of the Home Economic Building's north- and west-facing facades. Despite these alterations, the historic district as a whole retains integrity of Location, Setting, Design, Materials, Workmanship, Feeling, and Association from its period of significance.

Therefore, the Lincoln High School campus (Historic District #1) is additionally eligible for listing in the National Register under Criterion B and the California Register under Criterion 2, and for designation as a Historic-Cultural Monument under Criterion 2, for its association with Ethel Percy Andrus. For a list of district contributors and non-contributors, and a map of the district boundary, see Historic District #1 above.

Association with Sal Castro

The Lincoln High School campus is also significant as a historic district (Historic District #2) under National Register Criterion B, California Register Criterion 2, and Los Angeles Historic-Cultural Monument Criterion 2, under the theme of under the theme of "LAUSD and the Civil Rights Movement, 1954-1980," for its association with the Sal Castro. The period of significance is 1968, when the Chicano Blowouts, which Sal Castro helped to organize, took place.

As outlined in the "LAUSD Historic Context Statement," a school might qualify under this theme for a "long-term association with a figure who was significant in the Civil Rights Movement and school integration."[146] As noted above, the LAUSD context statement establishes the historic significance of the 1968 East Los Angeles Walkouts as one of the significant events of the postwar period designed to address and correct "decades of de facto racial segregation" in Los Angeles schools.[147] The context goes on to cite Sal Castro as the Lincoln High School teacher who "spearheaded the movement."[148]

[146] "LAUSD Historic Context Statement," 14.
[147] "LAUSD Historic Context Statement," 108.
[148] "LAUSD Historic Context Statement," 110.

Salvador B. Castro was a Mexican American educator and activist best known for his role in the East Los Angeles Walkouts of 1968. Born in Los Angeles on October 25, 1933, he spent his early years in Mexico, returning to Los Angeles when he was in grade school. After serving in the U.S. military, Castro attended Los Angeles City College before transferring to Los Angeles State College (now California State University, Los Angeles), where he earned an undergraduate degree in social science. Castro began his teaching career in Pasadena before being hired as an interpreter and social studies teacher at Belmont High School in downtown Los Angeles. While at Belmont High, Castro voiced his concerns that Latino students were being discriminated against but ran into trouble with the school administration for encouraging students to speak Spanish. Soon thereafter, Castro was transferred to Lincoln High School, where he taught multiple subjects and served as the school's athletic director.[149]

While teaching at Lincoln High School, Castro continued his own student activism. While pursuing a master's degree at CSULA, he began meeting informally with his fellow Mexican American college students – who were starting to refer to themselves as Chicanos and Chicanas – and a network of Mexican American education activists began to form. The result of the network was the first annual Chicano Youth Leadership Conference (CYLC), held in 1963. Conceived as a training ground for student activists, students discussed inequalities between schools within the LAUSD, the need for bilingual and culturally relevant education, and the need for systemic reforms that would place students on track to higher education.

At Lincoln High, Castro helped organize a Chicano club, a branch of the United Mexican American Students (UMAS).[150] As he became involved with students at the Mexican American Youth Leadership Conferences, Castro heard similar complaints about school conditions from students across Los Angeles County. In September of 1967, a group of students approached Castro with the idea of staging a walkout. Castro worked closely with students to plan and organize what would become the East Los Angeles Walkouts, or "Chicano Blowouts." As a result of his role in the walkouts, Castro was arrested and charged with conspiracy, making him the only one of the thirteen Chicano leaders arrested for participating in the walkouts (known as the "East L.A. 13") to be charged with a felony. Following school district policy, Castro was subsequently barred from returning to his teaching position at Lincoln High, which in turn sparked weeks of additional protests in September and October, until the school board finally voted to reinstate Castro on October 3rd, 1968.[151] All criminal charges against Castro were eventually dropped.[152] After a few years of being shuffled around the LAUSD, Castro returned to Belmont High School in 1973, where he remained until his retirement in 2004.[153] Castro died in Los Angeles in 2013.

[149] Garcia and Castro.
[150] Garcia and Castro.
[151] "La Raza."
[152] Davis, 7.
[153] Diego Rentería, "Remembering Sal Castro, Influential L.A. Educator," *Los Angeles Times*, April 16, 2013.

In June of 2010, the LAUSD Board of Education honored Castro by naming a new middle school – located on the campus of Belmont High School – in his honor. On October 25th, 2012, Lincoln High School named the paved area just below the Administration Building "Sal Castro Court." Earlier in 2018, as LAUSD commemorated the 50th anniversary of the Walkouts, the district honored eleven educators with the first Sal Castro Award. The teachers and counselors were selected from the five Walkout schools for their "leadership development of youth, civic engagement, education around social justice issues, and advocacy for equity and access to college and career pathways."[154]

Due to the central role he played in the planning and organizing of this important civic rights event, and the personal and professional consequences he suffered, Sal Castro is the single individual most associated with Chicano Blowouts of 1968. According to the *Los Angeles Times*, Castro was "the only teacher to publicly participate and back students' complaints to news media and school district officials."[155] The historic district that has been identified as significant for its association with Sal Castro coincides with the district identified under Criterion A for its association with the Chicano Blowouts more generally. As described above, this historic district is situated on the western parcel only, and includes buildings, spaces and features which figured prominently in the events that comprised the walkouts and their aftermath. District contributors include the Administration Building (1), the Home Economics Building (2), the Auditorium Building (3), and the Campus Quad (A). Also included are the entrance gates, front lawns, steps, retaining walls, and public sidewalk in front of the school. The district also includes two non-contributors – the Lunch Pavilion (5) and Music Building No. 2 (9) – both of which are situated amid the contributors.

Each of the contributing buildings, features and spaces are highly intact and have been minimally altered over time. The district also contains two non-contributing buildings which are situated in close proximity to the contributors. However, due to their siting behind contributing buildings, they are not visible from the public right-of-way and therefore do not detract from the historic district.[156] The historic district as a whole retains integrity of Location, Setting, Design, Materials, Workmanship, Feeling, and Association from its period of significance.

Therefore, the Lincoln High School campus (Historic District #2) is eligible for listing in the National Register under Criterion B and the California Register under Criterion 2, and for designation as a Historic-Cultural Monument under Criterion 2, for its association with Sal

[154] "Sal Castro fought for justice in education," *Los Angeles Daily News*, March 5, 2018, updated April 19, 2018; Ezmeralda Fabian Romero, "Los Angeles educators are honored with the first Sal Castro Award for continuing the legacy of the '68 East LA Walkouts," *L.A. School Report*, February 28, 2018.
[155] "Lincoln High School," Los Angeles Conservancy.
[156] The Lunch Pavilion (5) is situated behind the Home Economic Building (2), and Music Building No. 2 (9) sits behind the Auditorium Building (3).

Castro. For a list of district contributors and non-contributors, and a map of the district boundary, see Historic District #2 above.

Criterion C/3/3 (architectural merit or work of a master)

According to the National Park Service, in order for a property to be considered significant under Criterion C, it must embody the distinctive characteristics of a type, style, period, or method of construction; or represent the work of a master architect, builder or designer; or possess high artistic values. Distinctive characteristics are those physical features or traits that commonly recur in individual types, styles, periods, or methods of construction. To be eligible, a property must clearly display sufficient characteristics to be considered a true representative example. A master is a figure of generally recognized greatness in a field, a known craftsman of consummate skill, or an anonymous craftsman whose work is distinguishable by its characteristic style or quality. A property is not eligible simply because it was designed by a prominent architect, but rather must express a particular phase, aspect, idea or theme in his or her craft. To be eligible for high artistic values, a property must express aesthetic ideals or design concepts more fully than typical properties of the type.[157]

Example of PWA Moderne Architecture/Work of A.C. Martin

The Lincoln High School campus is significant as a historic district (Historic District #3) under National Register Criterion C, California Register Criterion 3, and Los Angeles Historic-Cultural Monument Criterion 3, under the theme of "LAUSD Post-1933 Long Beach Earthquake School Plants, 1933-1945," as an excellent example of PWA Moderne architecture, and as the work of master architect Albert C. Martin. The period of significance is 1936 to 1941, spanning the timeframe during which the buildings and features designed by Martin were constructed.

This historic district includes buildings, spaces and features designed by prominent Los Angeles architect Albert C. Martin. On the western parcel, district contributors include the Administration Building (1), the Home Economics Building (2), the Auditorium Building (3), the Campus Quad (A), and the Administration Courtyard (B). On the eastern parcel, the district includes the Physical Education Building (4). Also included are the entrance gates, front lawns, steps, and retaining walls in front of the school. The district also includes two non-contributors – the Lunch Pavilion (5) and Music Building No. 2 (9) – both of which are situated amid the contributors.

As outlined in the "LAUSD Historic Context Statement," the historical coincidence that PWA funding for school construction was becoming available just as Los Angeles prepared to repair or rebuild its many earthquake-damaged schools ultimately determined the look of many of the schools from this period:

[157] "National Register Bulletin 15," 18-20.

> Created by the National Industrial Recovery Act, the Public Works Administration (PWA) was founded within a few months of the March 1933 Long Beach earthquake. Following widespread damage to Los Angeles public schools in the wake of the earthquake, much school reconstruction work was funded by the PWA. Consequently, a substantial number of Los Angeles public schools either built or remodeled during this time exhibit some degree of PWA Moderne styling.[158]

The LAUSD historic context goes to note that in Southern California, following PWA funding for school construction and reconstruction totaled over $13 million, a sum accounting for 62 percent of the spending overall."[159]

LAUSD school from this post-earthquake were stylistically more streamlined and "less ornamental than their 1920s period-revival counterparts."[160] The PWA Moderne style is sometimes referred to as "Stripped Classicism," incorporating elements of a number of styles – including Classical Revival, Spanish Colonial Revival, Art Deco, and Streamline Moderne – but typically in a more restrained or stripped-down way. Character-defining features of the PWA Moderne style include an emphasis on the vertical axis; symmetrical, formal design composition and massing; smooth wall surfaces, generally exhibiting stucco, concrete, and/or polished stone; flat of low-pitched roofs; piers, often fluted or reeded, separating recessed window channels; and the incorporation of shallow relief panels, interior murals, and sculpture.

At Lincoln High School, the Albert C. Martin-designed buildings of the 1930s and 1940s are textbooks examples of the PWA Moderne architectural style as applied to school buildings during this period. As described above, features of these buildings included flat and low-pitch hipped roofs; smooth stucco wall surfaces with vertically ribbed accent panels; generous bands of divided-light wood windows; recessed building entrances with wood-panel multi-light entry doors; integrated concrete planters with rounded corners; and minimal ornamentation. Decorative elements are limited to a header course of concrete block ornament, cast-stone bas-relief panels, and inspirational quotes incised in the concrete.[161] Additionally, all of the

[158] "LAUSD Historic Context Statement," 124.
[159] "LAUSD Historic Context Statement," 51.
[160] "LAUSD Historic Context Statement," 11.
[161] Interior WPA art pieces on the campus include two wall paintings entitled "History of Los Angeles," Parts I and II, by Manuel de la Torre (1939), and two bas-relief wall panels, "Knowledge" by Conjecta Troncale, and "Progress" by Maurice Levine (dates unknown). All of these art pieces are extant in the Administration Building.

contributing buildings, features, and spaces of this historic district were designed by one of the most successful and prolific architects in early-20th century Los Angeles, Albert C. Martin.

The historic district confirms the 1995 finding which evaluated the historic core of the post-earthquake campus as a historic district that was eligible for the listing National Register of Historic Places, and listed in the California Register of Historical Resources.[162]

Each of the contributing buildings, features and spaces are highly intact and have been minimally altered over time. The district also contains two non-contributing buildings which are situated in close proximity to the contributors, and the detract somewhat from the historic district. In particular, the Lunch Pavilion replaced a portion of the Campus Quad, and obscures views of the Home Economic Building's north- and west-facing facades. Additionally, in the Administration Courtyard, portions of lawns have been replaced with semi-circular concrete and concrete block paving and in-ground planters. Despite these alterations, the historic district as a whole retains integrity of Location, Setting, Design, Materials, Workmanship, Feeling, and Association from its period of significance.

Therefore, the Lincoln High School campus (Historic District #3) is eligible for listing in the National Register under Criterion C and the California Register under Criterion 3, and for designation as a Historic-Cultural Monument under Criterion 3, an excellent example of PWA Moderne architecture, and as the work of master architect Albert C. Martin.

The Lincoln High School campus contains three additional structures that were designed by noted Los Angeles architects. Music Building No. 2 was designed by architect Edward H. Fickett in 1963. While this building is designed in the Mid-Century Modern style for which Fickett is best known, it is not a particularly good, distinctive, or rare example of the style or of Fickett's work.[163] The Shop Building and Pedestrian Overpass were designed by architect Robert E. Alexander (with Adolpho E. Mirrales). Similarly, neither of these structures are particularly good, distinctive, or rare examples of Alexander's work. Thus, none of these additional structures appears to be significant for its architectural merit or as the work of a master architect.

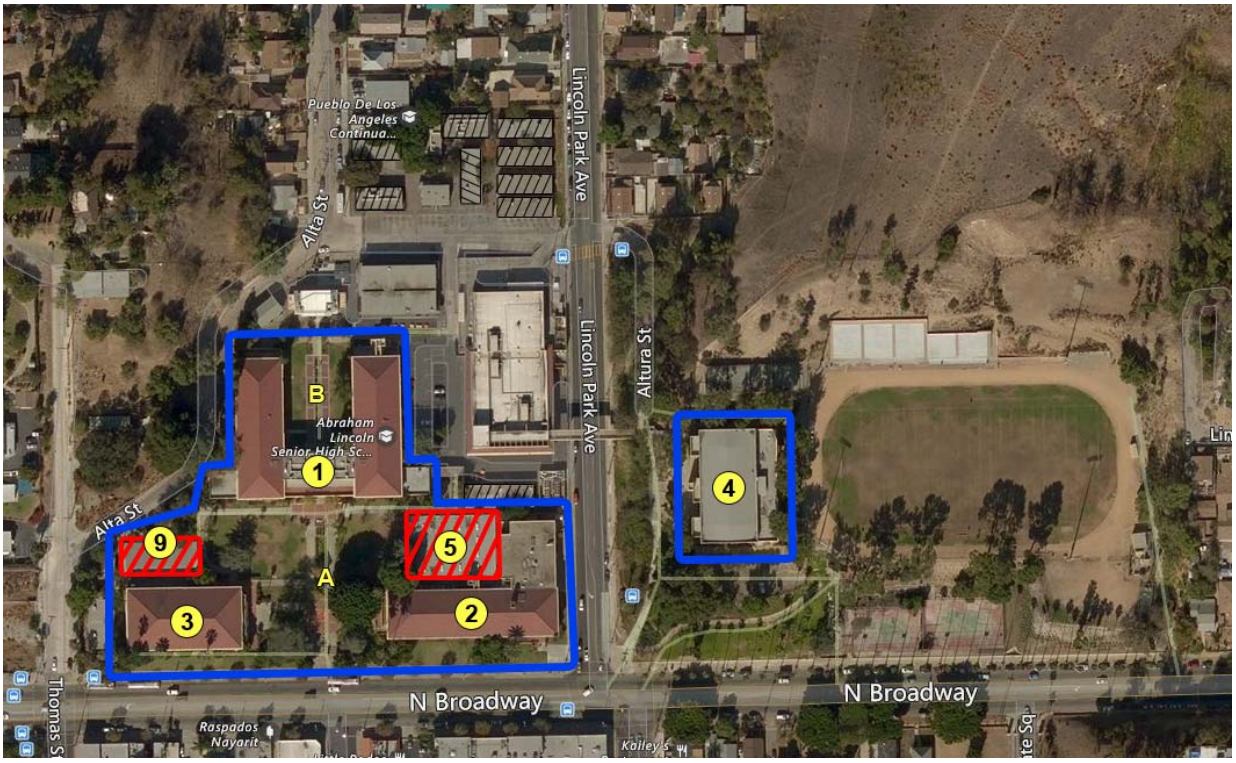
[162] The California Historical Resources Inventory (HRI) lists Lincoln High School as a National Register-eligible historic district, with the four Albert C. Martin buildings listed as district contributors.
[163] While it has been suggested that Edward Fickett also did some landscape design at the Lincoln High School campus, a review of his papers at USC Libraries Special Collections did not contain any documentation to this effect.

TABLE 4. Historic District #3, Contributors & Non-Contributors[164]

Ref. No.	Name	Year Built	District Status
1	Administration Building	1937	Contributor
2	Home Economics Building	1937	Contributor
3	Auditorium Building (Ethel Percy Andrus Theatre)	1937	Contributor
4	Physical Education Building	1941	Contributor
5	Lunch Pavilion	1978	Non-Contributor
9	Music Building No. 2	1963	Non-Contributor
A	Campus Quad	1936	Contributor
B	Administration Courtyard	1937	Contributor

[164] Also included in the historic district are the entrance gates, front lawns, steps, and retaining walls in front of the school.

FIGURE 5. Historic District #3 Map



Source: Bing Maps © 2018

District boundary | 1 Building | A Feature | Non-contributor | N

Criterion D/4 (potential to yield information)

National Register Criterion D most commonly applies to properties that contain or are likely to contain information bearing on an important archeological research question.[165] Lincoln High School was not evaluated for potential eligibility under Criterion D as part of this historic assessment.

Summary of Contributors

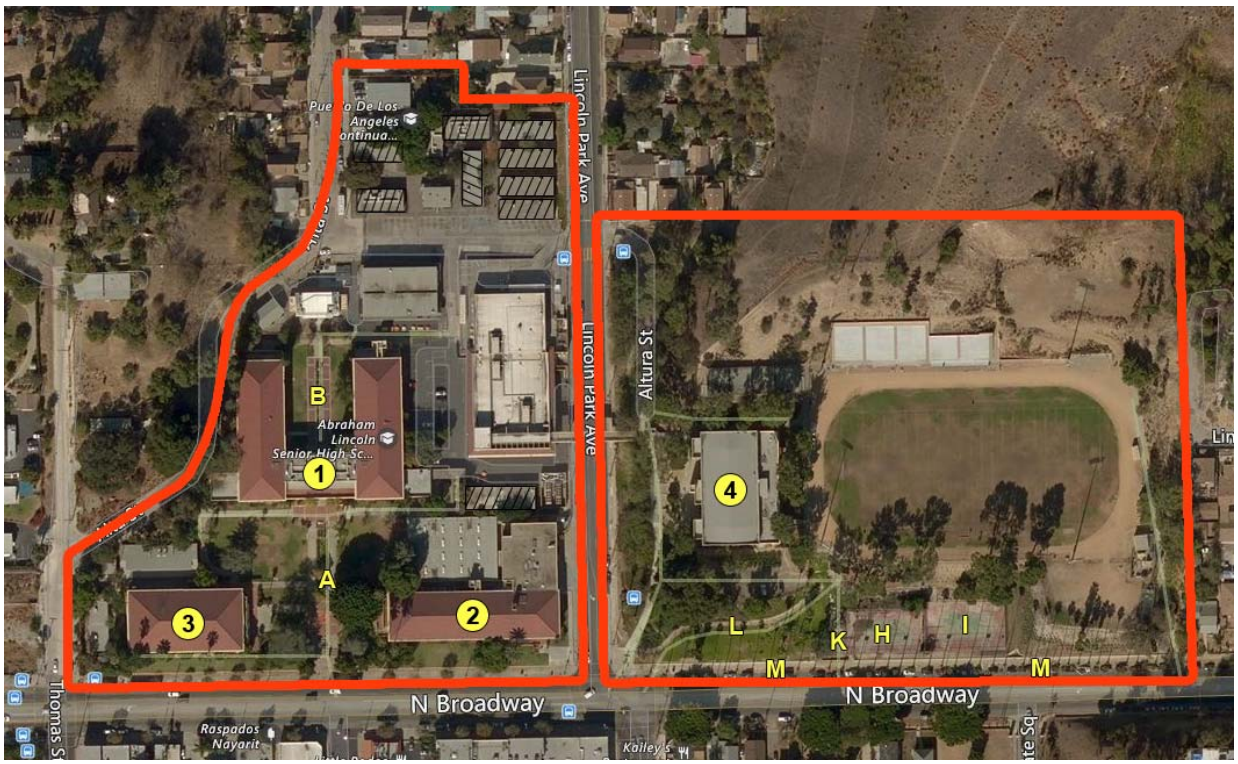
The following table and map aggregates all Lincoln High School campus buildings and features that have been evaluated as contributors to one or more identified historic district.

TABLE 5. Summary of Historic District Contributors

Ref. No.	Name	Year Built	District #1	District #2	District #3
1	Administration Building	1937	X	X	X
2	Home Economics Building	1937	X	X	X
3	Auditorium Building (Ethel Percy Andrus Theatre)	1937	X	X	X
4	Physical Education Building	1941	X		X
A	Campus Quad	1936	X	X	X
B	Administration Courtyard	1937	X		X
H	Tennis/Basketball Courts	1913	X		
I	Tennis/Basketball Courts	1913	X		
K	Original Campus Stairway	1913	X		
L	Original Campus Walkway	1913	X		
M	Palm Trees	1913	X		

[165] "National Register Bulletin 15," 21.

FIGURE 6. Summary Map



Source: Bing Maps © 2018

Campus boundary 1 Building A Feature N

Character-Defining Features

This section identifies the character-defining features of each of the Lincoln High School campus buildings and features that have been evaluated as contributors to one or more of the identified historic districts.[166] Character-defining features – sometimes called essential physical features – are those features that define both *why* a property is significant and *when* it was significant.[167] These features are illustrative of a historic property's period, type or style and contribute to its integrity, thereby allowing the property to convey its historic significance. In general, if a property retains its important character-defining features, it is said to retain integrity from the period of significance, and therefore is eligible as a historic resource.

The principal character-defining features of the Lincoln High School campus are outlined below.[168] Because this historic assessment evaluates the campus primarily as a historic district, this section describes exterior features and spaces only.[169]

<u>Administration Building (1)</u>

- Location on the hilltop at the center of the campus' western parcel
- Overall form and massing, one- and two-story height plus a basement level
- Formal, symmetrical composition
- U-shaped plan
- Reinforced concrete construction
- Flat roofs with parapets, and hipped roofs with composition shingles and boxed eaves
- Exterior walls clad in smooth plaster with vertically ribbed accent panels
- Header course of concrete block ornament aligned with the top of the windows
- Horizontal bands of divided-light double-hung wood windows, separated by ribbed concrete piers or scored wood columns
- Floor-to-ceiling groupings of wood awning windows
- Octagonal accent windows with divided-light wood casements
- Recessed main entrance with curved walls, heavy concrete grille with small steel-sash leaded lights, flat canopy, recessed soffit lights with decorative surrounds and glass shades, wide concrete steps, and terrazzo paving
- Wood-panel and slab entry doors with single lights, some with sidelights and/or transoms
- Simple string courses on secondary façades
- Integrated concrete planters
- Perforated concrete grilles

[166] For contributing buildings, both exterior and interior character-defining features have been identified.
[167] "National Register Bulletin 15," 46.
[168] Identified character-defining features are based upon visual observations conducted during a site visit conducted on September 13, 2018. Subsequent site inspections and/or the removal of non-original features or materials could reveal additional character-defining features not noted here.
[169] Interiors of the campus buildings were not accessed during the site visit for this historic assessment.

- Metal downspouts
- Decorative brackets supporting wall-mounted drinking fountains
- Two cast-stone bas-relief figures over the entrance canopy
- Incised figures and lettering
- Projecting aluminum letters which read "Abraham Lincoln High School"
- Elements of the PWA Moderne style
- Formal designed landscaping

Home Economics Building (2)

- Location along N. Broadway, at the southeast corner of the campus' western parcel
- Overall form and massing, two-story height plus a basement level
- Formal, symmetrical composition
- L-shaped plan
- Reinforced concrete construction
- Hipped roof with composition shingles and boxed eaves, flat roof with parapets
- Exterior walls clad in smooth plaster with vertically ribbed accent panels
- Header course of concrete block ornament aligned with the top of the windows
- Single and paired divided-light, double-hung wood windows
- Floor-to-ceiling groupings of wood awning windows, some with decorative concrete surrounds
- Projecting square bay with steel-frame windows and a metal standing-seam roof on east façade
- Octagonal accent windows with divided-light wood casements
- Recessed main entrance with flat canopy and slender concrete columns, recessed soffit lights with decorative surrounds and glass shades, and concrete and red tile paving
- Concrete double stairway, concrete walls with rounded corners and horizontal scoring
- Flush street entrance with concrete walkway and steps, and concrete walls with rounded corners, horizontal scoring, and rectangular perforations
- Wood-panel entry doors with divided lights, some with sidelights and/or transoms
- Projecting flat canopies
- Concrete chimney
- Simple string courses
- Perforated concrete grilles
- Metal downspouts
- Two cast-stone bas-relief panels over the entrance canopy
- Incised lettering
- Plastic sign box with neon lettering which reads "Abraham Lincoln High School, Day and Evening"
- Elements of the PWA Moderne style
- Formal designed landscaping

Auditorium Building (3)

- Location along N. Broadway, at the southwest corner of the campus' western parcel

- Overall form and massing, one-story height plus a basement level
- Formal, symmetrical composition
- Rectangular plan
- Reinforced concrete construction
- Hipped roof with composition shingles and boxed eaves
- Exterior walls clad in smooth plaster with vertically ribbed accent panels
- Header course of concrete block ornament aligned with the top of the windows
- Tall, narrow openings with fixed steel-frame windows, organized in pairs and separated by an exaggerated vertical mullion
- Recessed main entrance with flat canopy and slender concrete columns, wide concrete steps, and concrete and red tile paving
- Wood-panel entry doors with single lights, with transoms
- Integrated ticket booths with rounded-arch service windows, and perforated cast-stone grilles with stylized relief figures
- Bas-relief lamp in cast stone on primary façade
- Wall niche with cast-store figure on south facade
- Simple string courses
- Metal downspouts
- Incised figures and lettering, raised lettering
- Elements of the PWA Moderne style
- Formal designed landscaping

Physical Education Building (4)

- Location in the western portion of the campus' eastern parcel
- Overall form and massing, two-story height
- Formal, symmetrical composition
- Rectangular plan
- Reinforced concrete construction
- Flat roofs with parapets, and simple cornice
- Exterior walls clad in smooth plaster, accent panels with vertical, horizontal, or gridded scoring
- Two main entrances with a semi-circular concrete canopy and square plastic soffit light
- Large divided-light window above the entrance canopy, recessed between full-height concrete piers with vertical scoring
- Integrated concrete planters that curve around the corners
- Side entrances with a square canopy supported by two concrete brackets on one side and four concrete columns on the other
- Rectangular canopies with a square soffit light
- Metal entry doors, some with divided-light transoms
- Industrial steel plate fire door
- Metal downspouts
- Decorative brackets supporting wall-mounted drinking fountains
- Elements of the PWA Moderne style

Campus Quad (A)

- Location at the center of the core campus buildings, on the campus' western parcel
- Orientation to the Administration, Home Economics and Auditorium buildings
- Formal, axial plan
- Symmetrical composition and rectilinear layout
- Concrete paving with rectangular areas of red rectangular tiles
- Concrete curbs
- Grassy lawns that terrace up the hillside
- Mature trees
- Concrete walks and steps
- Raised concrete planters with trees or shrubs
- Concrete planting beds with shrubs and flowers
- Flag pole

Administration Courtyard (B)

- Location behind the Administration building, on the campus' western parcel
- Orientation to the Administration Building
- Formal, axial plan
- Symmetrical composition
- Rectilinear concrete paving with red rectangular tile
- Concrete curbs
- Grassy lawns
- Concrete planting beds with shrubs

Tennis/Basketball Courts (H and I)

- Location at the foot of the hill, on the campus' eastern parcel
- Eastern court set somewhat higher than the western court, with a low concrete retaining wall between the two
- Concrete retaining walls
- Tall chain-link fencing
- Concrete surface

Original Campus Stairway (K)

- Location at the foot of the hill, on the campus' eastern parcel
- Orientation to N. Broadway
- Concrete stairs and landings, with low concrete side walls
- Double-stairway at N. Broadway, with concrete retaining walls and side walls with simple concrete caps

Original Campus Walkway (L)

- Location at the foot of the hill, on the campus' eastern parcel
- Orientation to N. Broadway and Lincoln Park Avenue
- Concrete walks and stairs, with low concrete side walls

Palm Trees (M)

- Location along N. Broadway, spanning the campus' eastern parcel
- Linear arrangement of Mexican fan palms, evenly spaced
- Planted at grade and set into the sidewalk

Additional Features

- Location along the north side of N. Broadway
- Two-parcel configuration, separated by Lincoln Park Avenue
- Upward-sloping sites
- Symmetrical campus plan (western parcel only)
- Arrangement and orientation of primary buildings and outdoor spaces (western parcel only)
- Main campus entrance, three pairs of decorative metal gates with a zig-zig pattern, simple rectangular concrete piers, metal-framed sections of chain-link fencing
- Concrete walkways, steps, retaining walls, curbs, planters, and planting beds (western parcel only)
- Mature trees and formal designed landscaping (western parcel only)
- Front lawns, steps, and retaining walls

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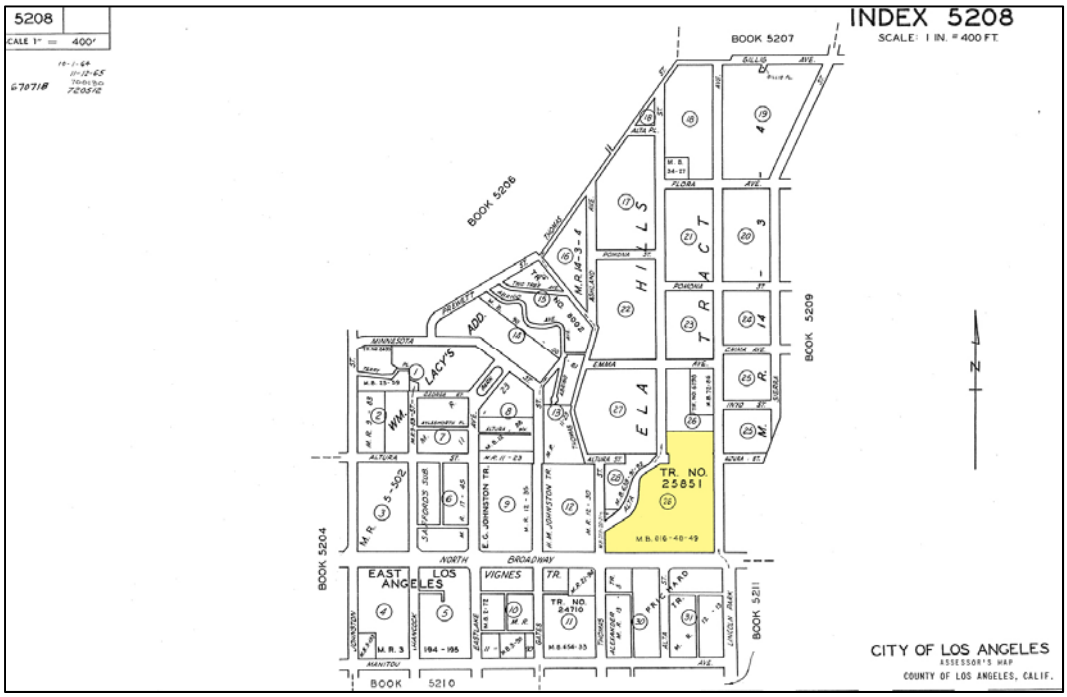
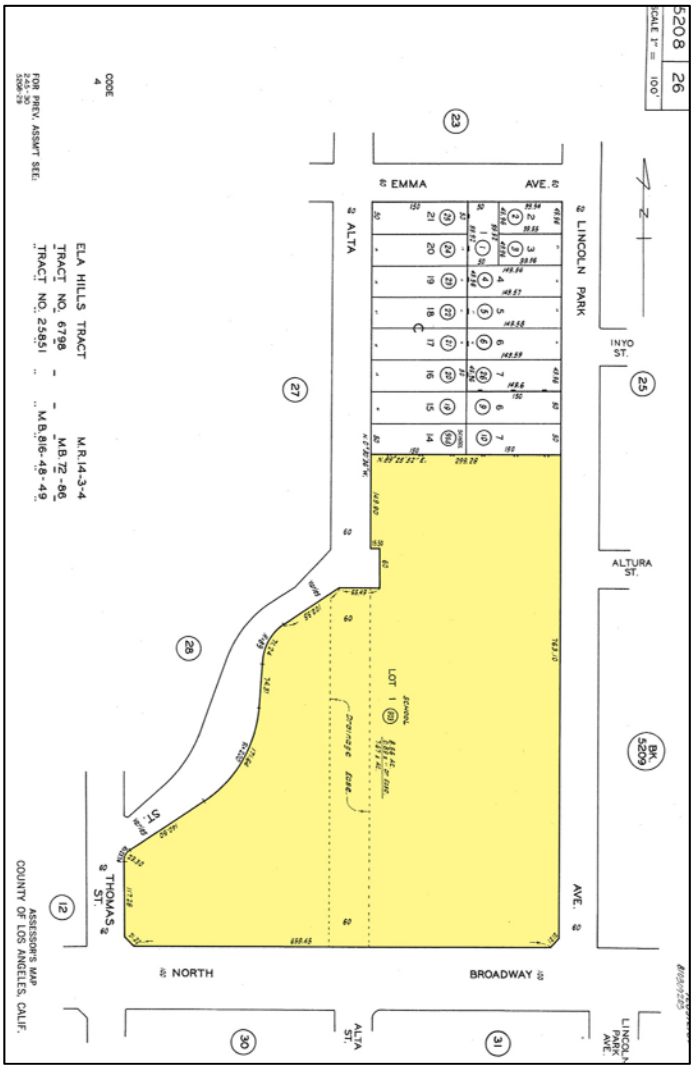
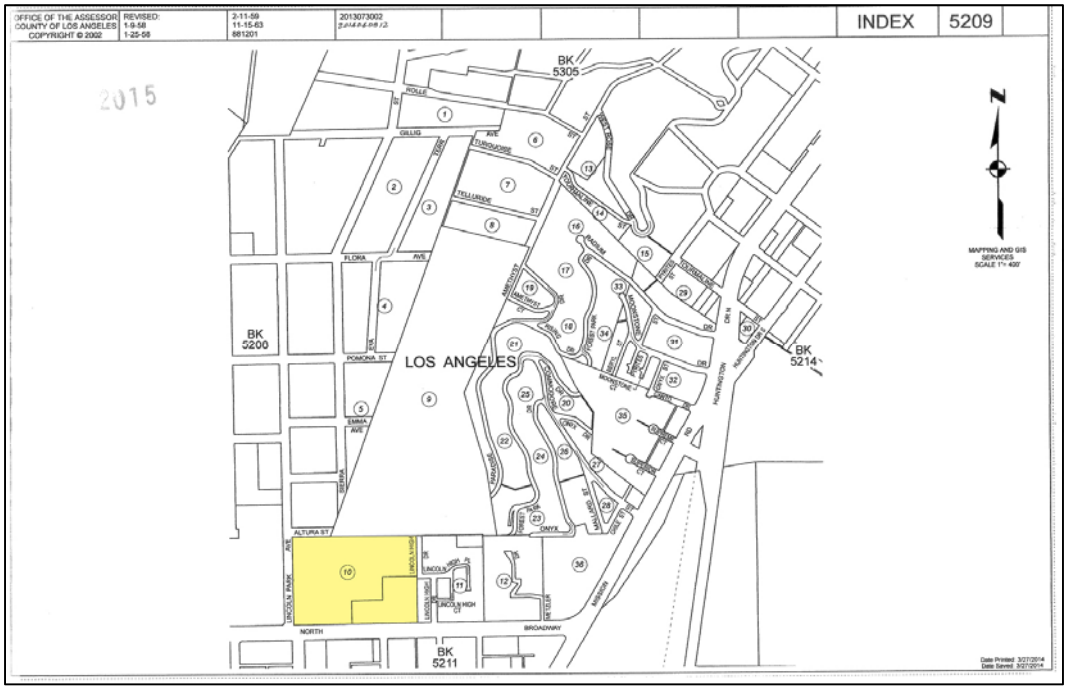
Los Angeles County Assessor, Index Map (western parcel).



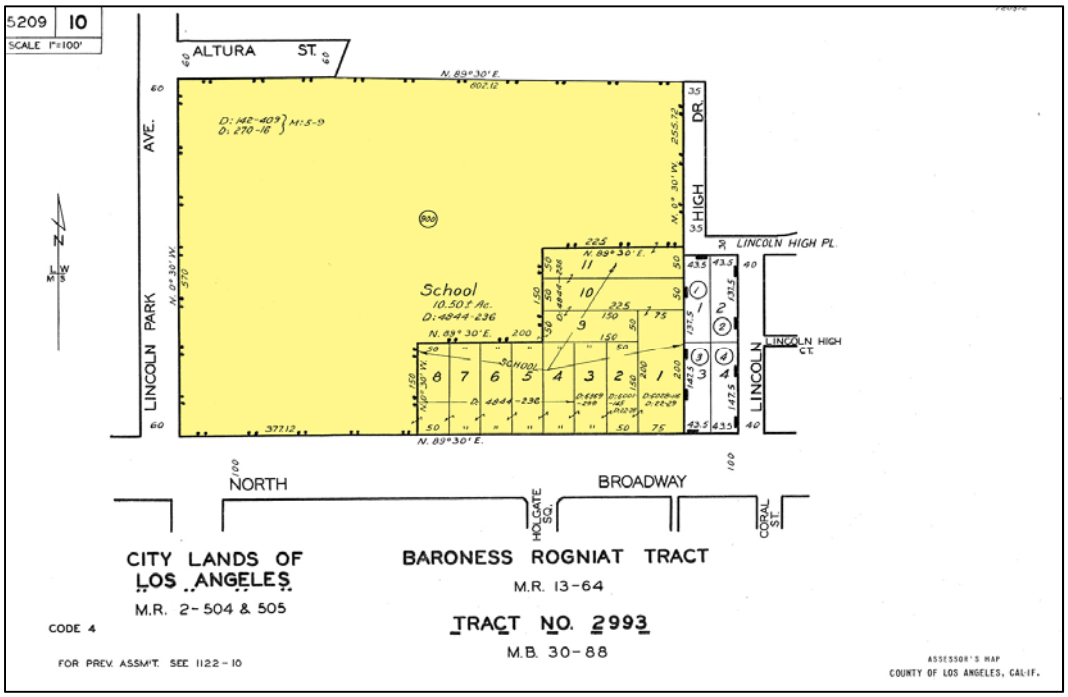
Los Angeles County Assessor, Parcel Map (western parcel).



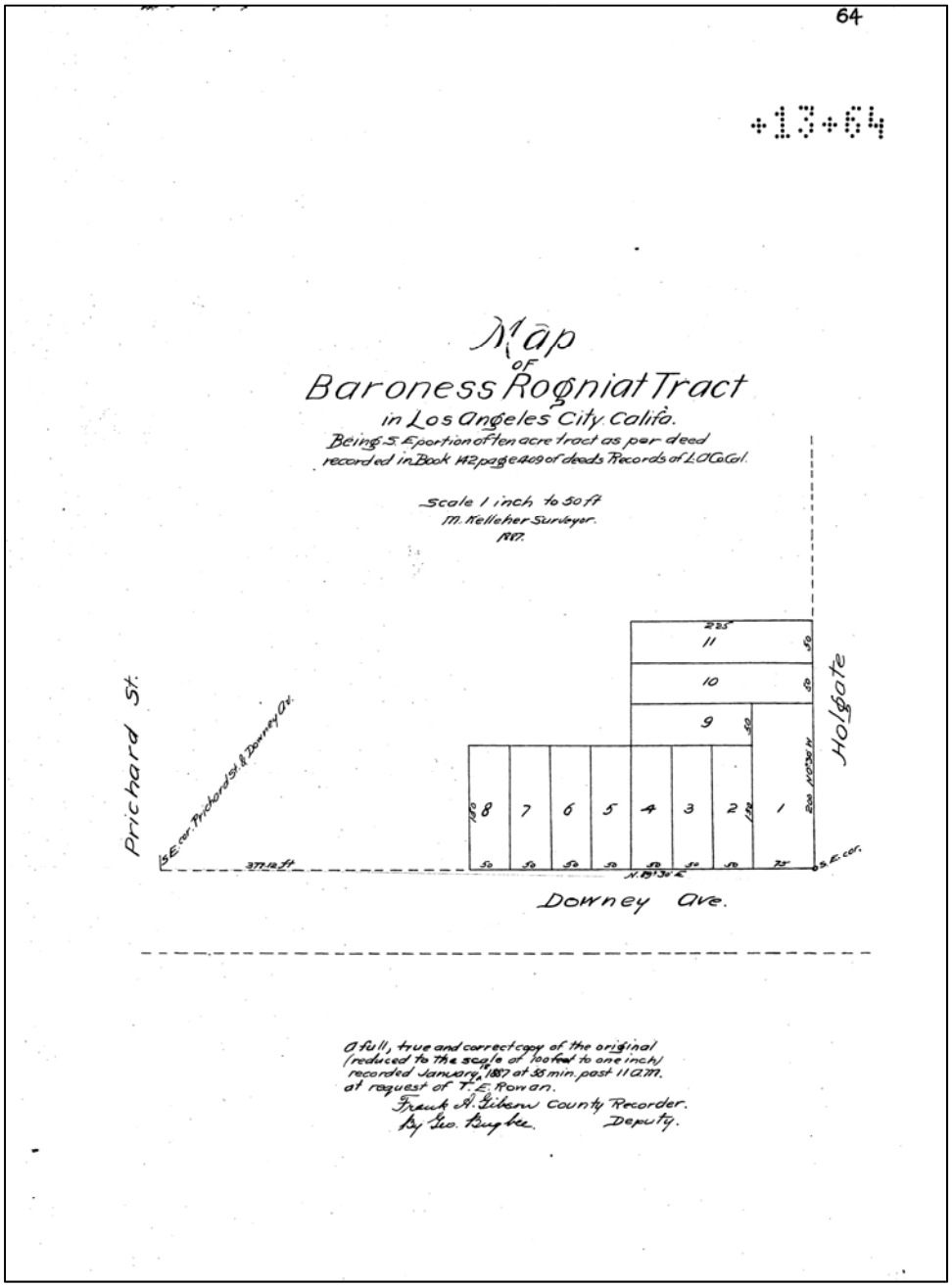
Los Angeles County Assessor, Index Map (eastern parcel).



Los Angeles County Assessor, Parcel Map (eastern parcel).

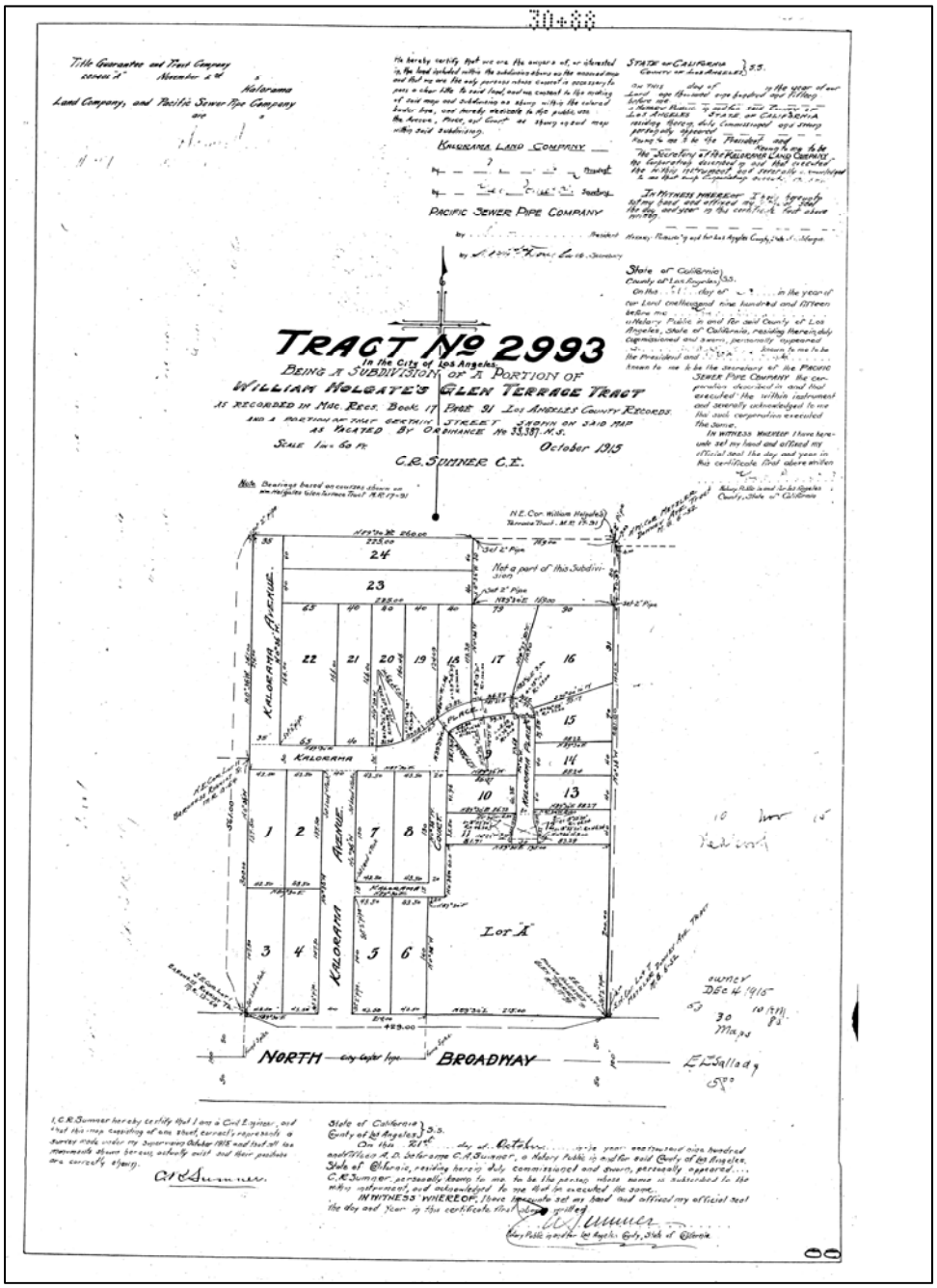


Baroness Rognait Tract, January 1887.[170]



[170] With the construction of a bridge over the Los Angeles River in 1911 to connect Buena Vista Street west of the river with Downey Avenue east of the river, both streets were renamed North Broadway.

Tract No. 2993, October 1915.

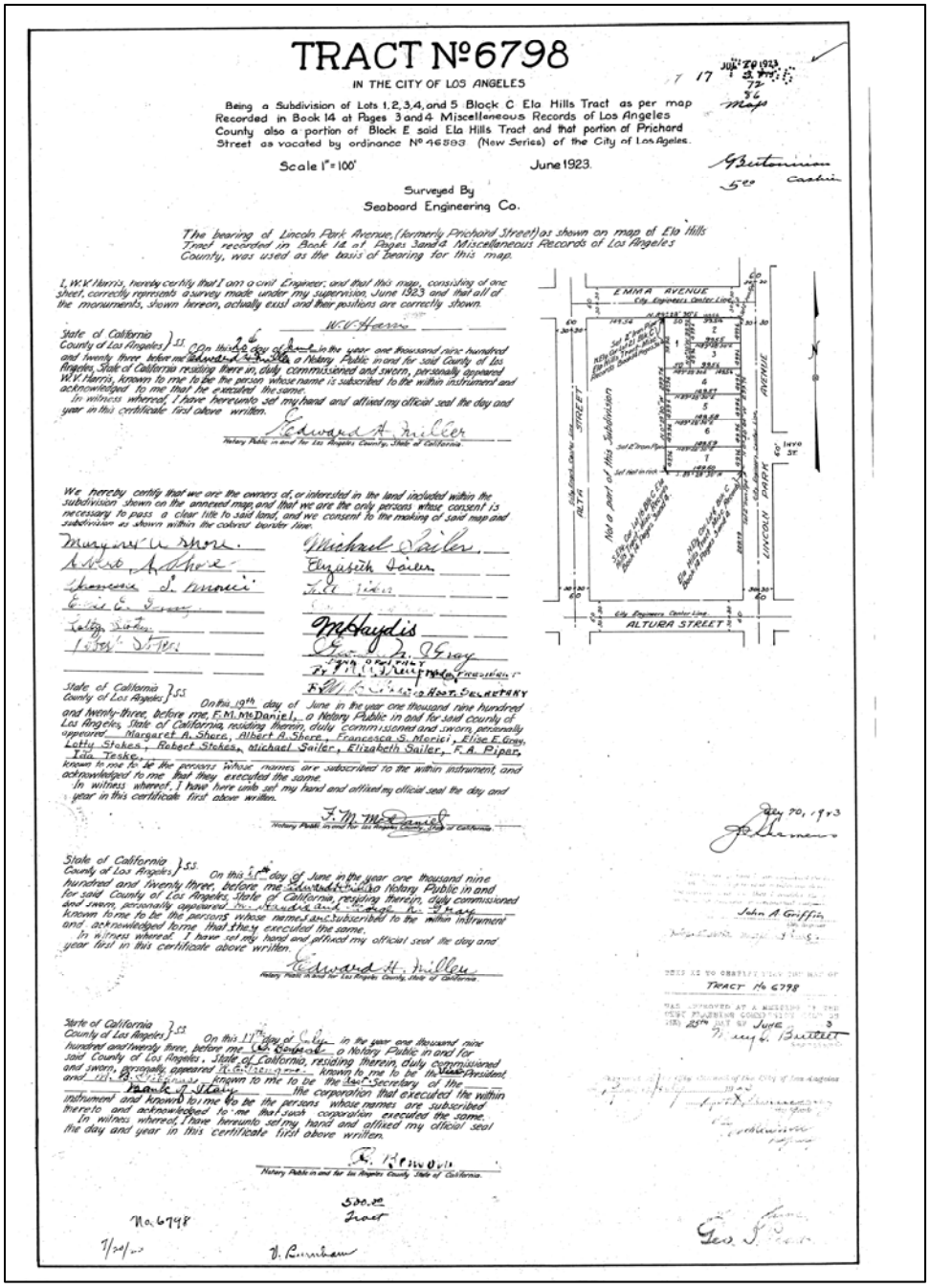


HISTORIC RESOURCE ASSESSMENT REPORT

Lincoln High School
3501 N. Broadway, Los Angeles

HISTORIC RESOURCES GROUP

Tract No. 6798, June 1923.



TRACT Nº6798

IN THE CITY OF LOS ANGELES

Being a Subdivision of Lots 1, 2, 3, 4, and 5 Block C Ela Hills Tract as per map Recorded in Book 14 at Pages 3 and 4 Miscellaneous Records of Los Angeles County also a portion of Block E said Ela Hills Tract and that portion of Prichard Street as vacated by ordinance Nº 46893 (New Series) of the City of Los Angeles.

Scale 1" = 100' June 1923.

Surveyed By
Seaboard Engineering Co.

The bearing of Lincoln Park Avenue, (formerly Prichard Street) as shown on map of Ela Hills Tract recorded in Book 14 at Pages 3 and 4 Miscellaneous Records of Los Angeles County, was used as the basis of bearing for this map.

I, W.V. Harris, hereby certify that I am a civil Engineer, and that this map, consisting of one sheet, correctly represents a survey made under my supervision, June 1923 and that all of the monuments, shown hereon, actually exist and their positions are correctly shown.

W.V. Harris

State of California } ss
County of Los Angeles } On this 26 day of June in the year one thousand nine hundred and twenty three before me Edward H. Miller a Notary Public in and for said County of Los Angeles, State of California residing there in, duly commissioned and sworn, personally appeared W.V. Harris, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.
In witness whereof I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Edward H. Miller
Notary Public in and for Los Angeles County, State of California.

We hereby certify that we are the owners of, or interested in the land included within the subdivision shown on the annexed map, and that we are the only persons whose consent is necessary to pass a clear title to said land, and we consent to the making of said map and subdivision as shown within the colored border line.

Margaret A. Shore
Albert A. Shore
Francesca S. Morici
Elise E. Gray
Lotty Stokes
Robert Stokes
Michael Sailer
Elizabeth Sailer
Ida Teske
McHaydis
Elise E. Gray
F. A. Piper, President
F. M. McDaniel, Secretary

State of California } ss
County of Los Angeles } On this 19th day of June in the year one thousand nine hundred and twenty-three, before me F.M. McDaniel, a Notary Public in and for said county of Los Angeles, State of California, residing therein, duly commissioned and sworn, personally appeared Margaret A. Shore, Albert A. Shore, Francesca S. Morici, Elise E. Gray, Lotty Stokes, Robert Stokes, Michael Sailer, Elizabeth Sailer, F.A. Piper, Ida Teske, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.
In witness whereof I have here unto set my hand and affixed my official seal the day and year in this certificate first above written.

F. M. McDaniel
Notary Public in and for Los Angeles County, State of California.

State of California } ss
County of Los Angeles } On this 1st day of June in the year one thousand nine hundred and twenty three, before me Edward H. Miller a Notary Public in and for said County of Los Angeles, State of California, residing therein, duly commissioned and sworn, personally appeared Fr. Arnold Piper, Elise E. Gray, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.
In witness whereof I have set my hand and affixed my official seal the day and year first in this certificate above written.

Edward H. Miller
Notary Public in and for Los Angeles County, State of California.

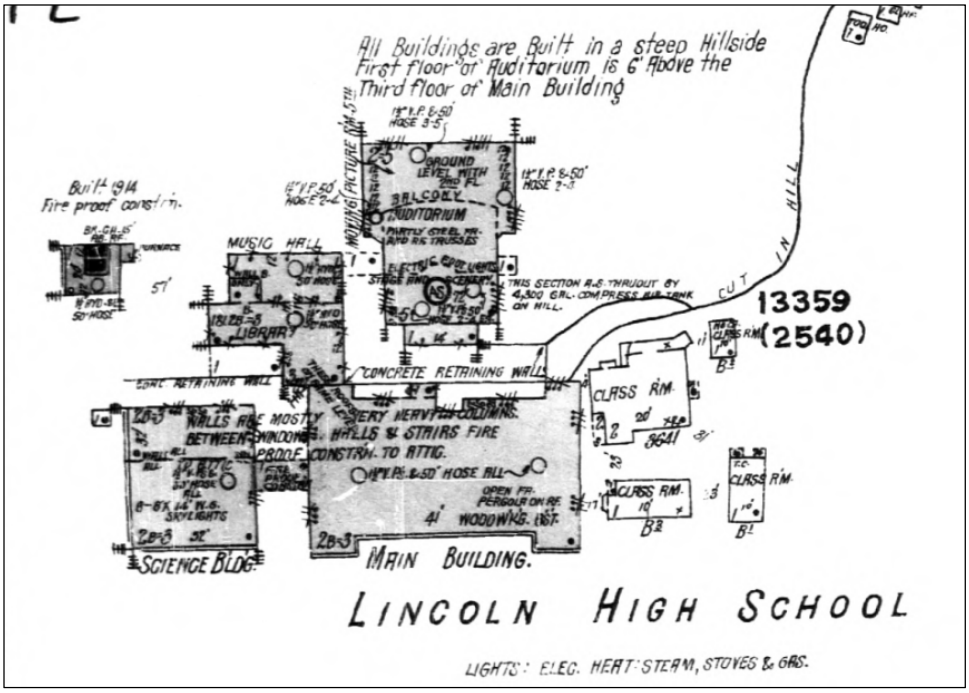
State of California } ss
County of Los Angeles } On this 17th day of July in the year one thousand nine hundred and twenty three, before me [illegible] a Notary Public in and for said County of Los Angeles, State of California, residing therein, duly commissioned and sworn, personally appeared [illegible] known to me to be the President, and [illegible] known to me to be the Sec'y Secretary of the Bank of Italy the corporation that executed the within instrument and known to me to be the persons whose names are subscribed thereto and acknowledged to me that such corporation executed the same.
In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

[illegible]
Notary Public in and for Los Angeles County, State of California.

No. 6798
7/20/23

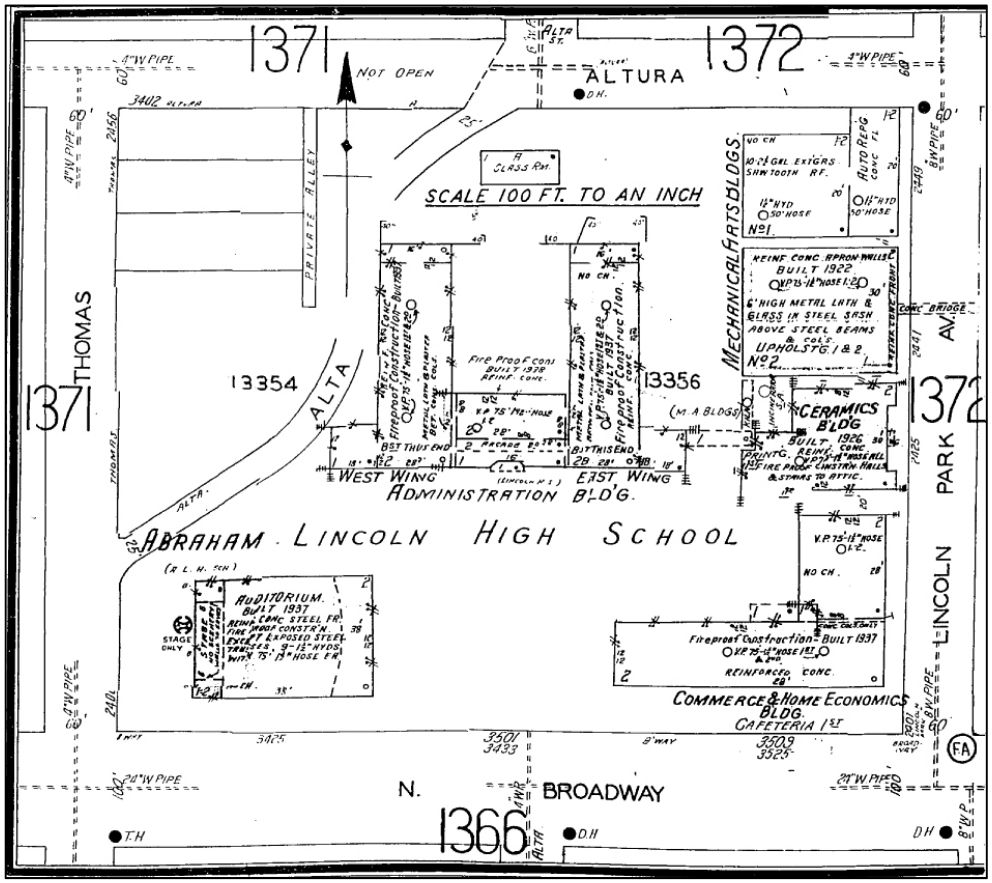
EMMA AVENUE
City Engineers Center Line
ALTURA STREET
LINCOLN PARK AVENUE
PRICHARD STREET
Not a part of this Subdivision
Set 2" Iron Pipe
Set nail in rock
Set 2" Iron Pipe
Set nail in rock
Set 2" Iron Pipe
Set nail in rock

Sanborn map, original campus, 1920.



Source: Sanborn Map Co.

Sanborn map, new campus, 1951.



Source: Sanborn Map Co.

Postcard of the original Lincoln High School campus, 1917.
(USGenWeb)

Original Lincoln High School campus, c. 1920.
(Security Pacific National Bank Collection, LAPL)

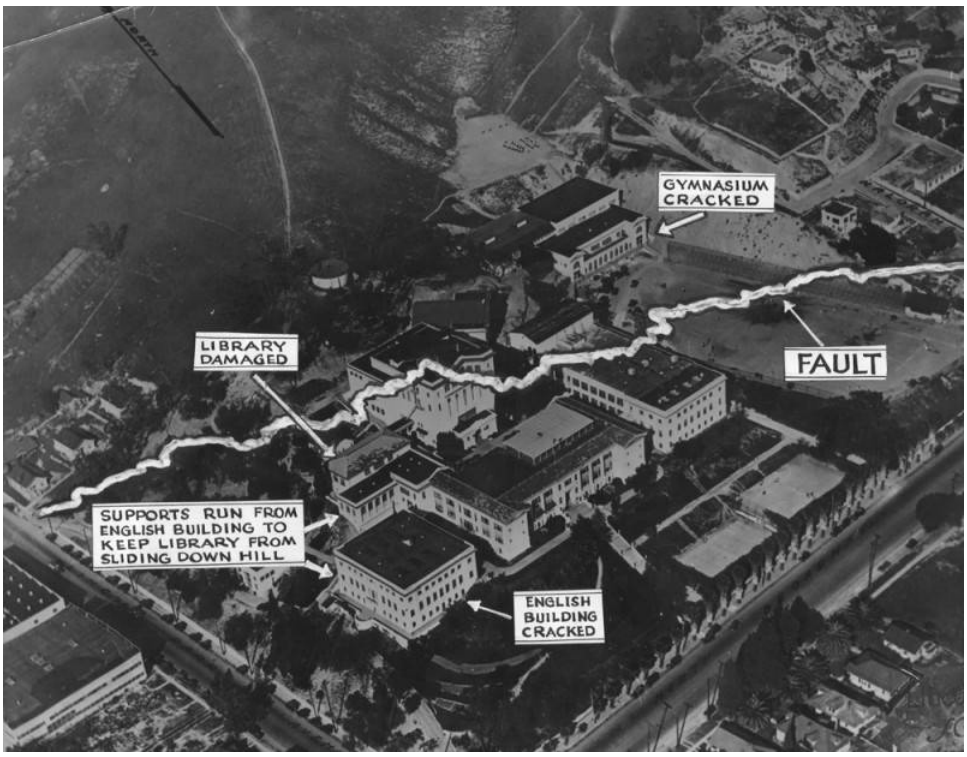
Postcard of the original Lincoln High School campus, c. 1925.
(Southland Portfolio)

Original Lincoln High School campus, c. 1925.
(California Historical Society Collection, USC)

Aerial view of the original Lincoln High School campus, 1927.
(Security Pacific National Bank Collection, LAPL)

Original Lincoln High School campus, c. 1930.
(Security Pacific National Bank Collection, LAPL)

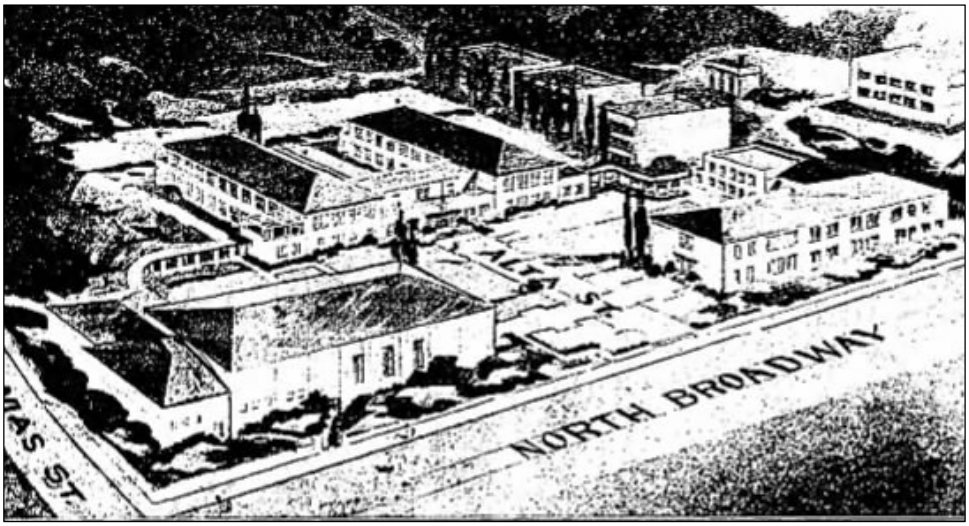
Original Lincoln High School campus, c. 1930.
(Security Pacific National Bank Collection, LAPL)



Original Lincoln High School campus noting damage from the Long Beach earthquake, 1934.
(Herald Examiner Collection, LAPL)

Original Lincoln High School campus with temporary classrooms on the tennis courts, 1934.
(Herald Examiner Collection, LAPL)

Original Lincoln High School campus with temporary classrooms on the tennis courts, 1934.
(Herald Examiner Collection, LAPL)



Rendering of the new Lincoln High School campus designed by architect A.C. Martin, 1936.
(Los Angeles Times, 1936)

New Lincoln High School campus under construction, 1937.
(Herald Examiner Collection, LAPL)

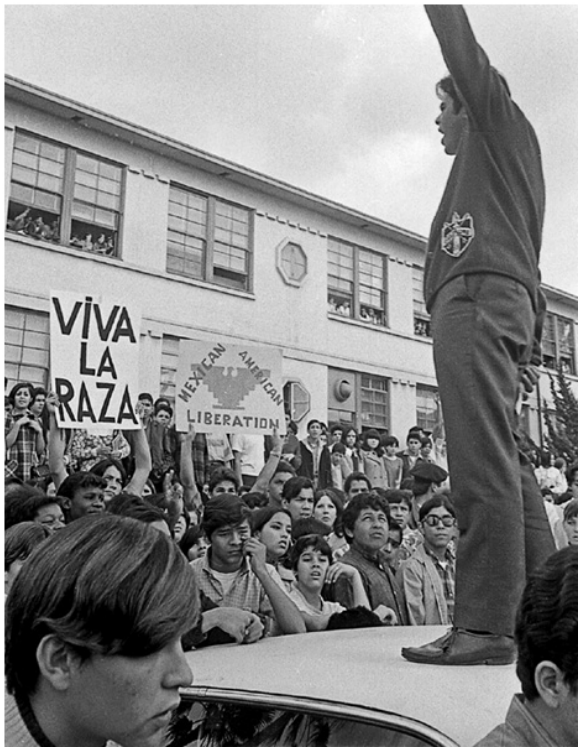
Lincoln High School campus quad and Administration Building, c. 1940.
(Huntington Library Photo Archives, LAPL)

Lincoln High School campus quad, Administration Building, and Auditorium, 1944.
(Herald Examiner Collection, LAPL)

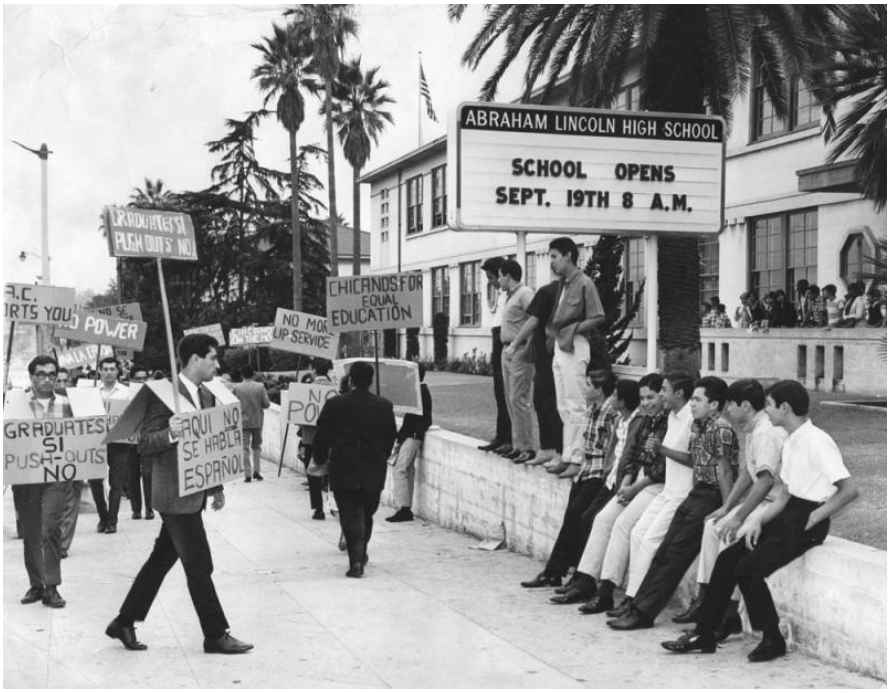
War bond drive at Lincoln High School, 1945.
(Herald Examiner Collection, LAPL)

Teacher Sal Castro with students in the Lincoln High School quad., n.d.
(LAUSD)

Sal Castro with walkout students in the quad of Lincoln High School, March 1968.
(Los Angeles Times Collection, LAPL)



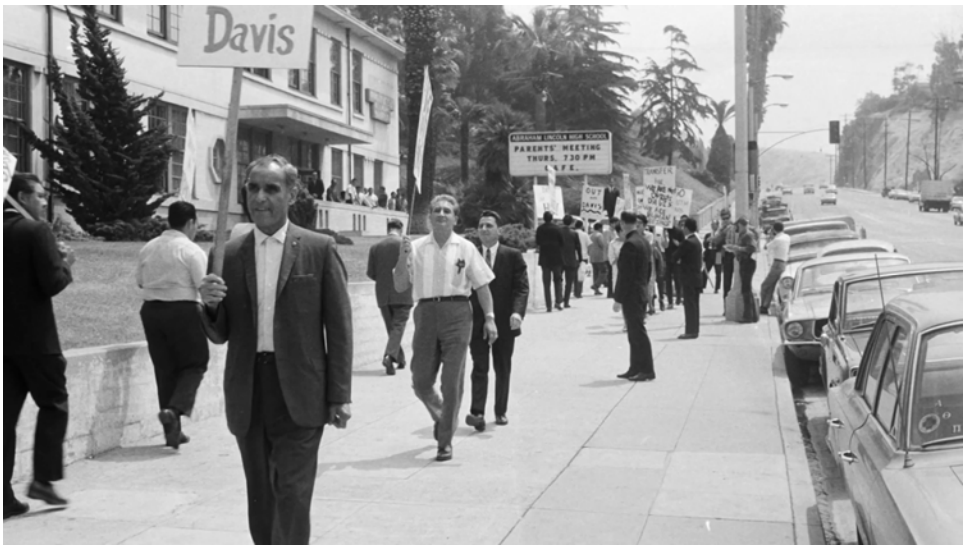
Walkout students in front of Lincoln High School, March 1968.
(Blowout!)



Students picket outside Lincoln High School, 1968.
(Herald Examiner Collection, LAPL)

Protesters picket outside Lincoln High School, September 1968.
(Herald Examiner Collection, LAPL)

Picketers outside Lincoln High School, 1968.
(Herald Examiner Collection, LAPL)



Parents picketing outside Lincoln High School, 1968.
(KCET)

INQUIRY #: 4965983.12

YEAR: 2012

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 2010

= 500'

N

EDR

INQUIRY #: 4965983.12
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 4965983.12

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 2002

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1994

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1989

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1981

= 500'

N

EDR

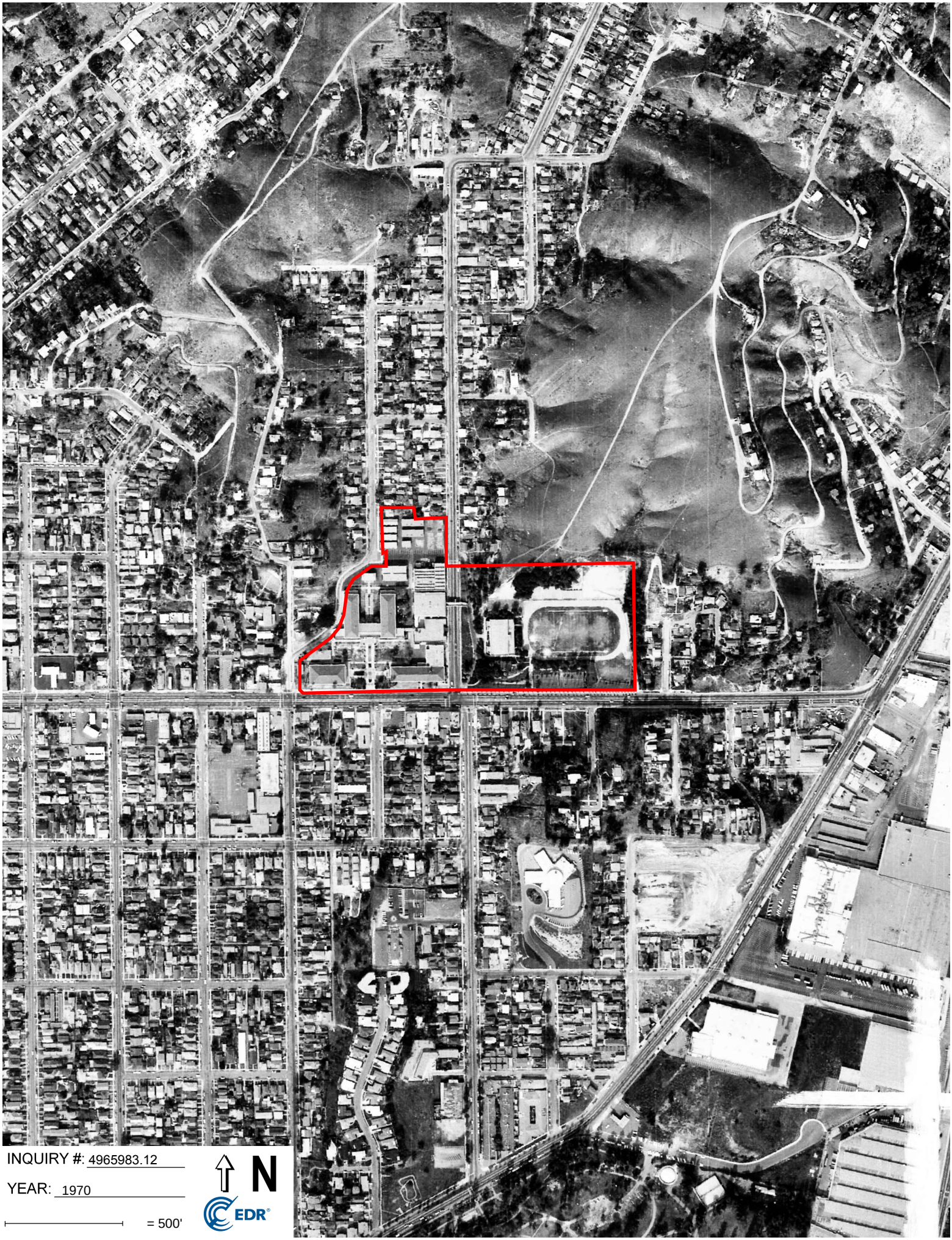
INQUIRY #: 4965983.12

YEAR: 1977

= 500'

N

EDR



INQUIRY #: 4965983.12

YEAR: 1970

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1964

= 500'

N

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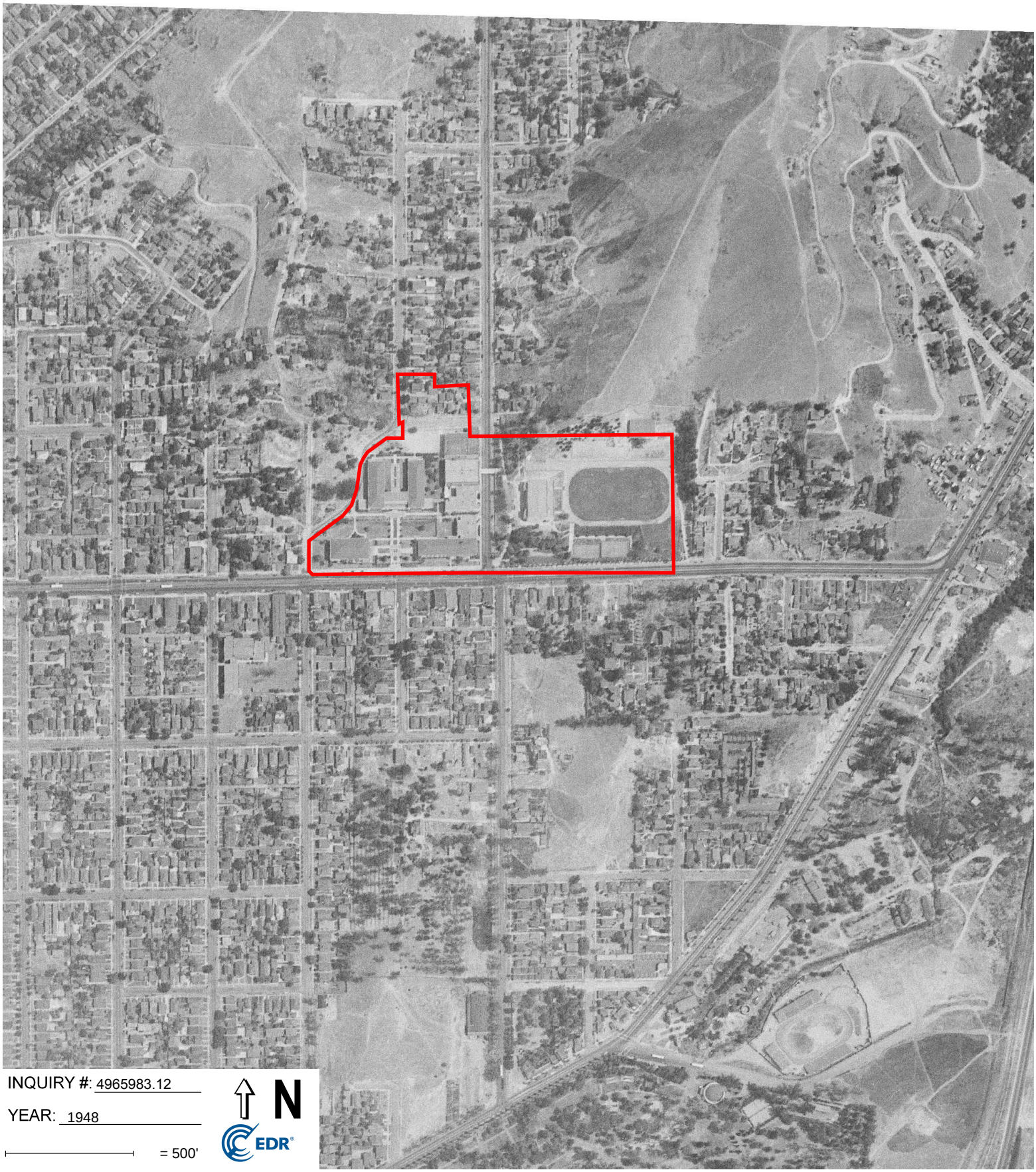
INQUIRY #: 4965983.12

YEAR: 1952

= 500'

N

EDR



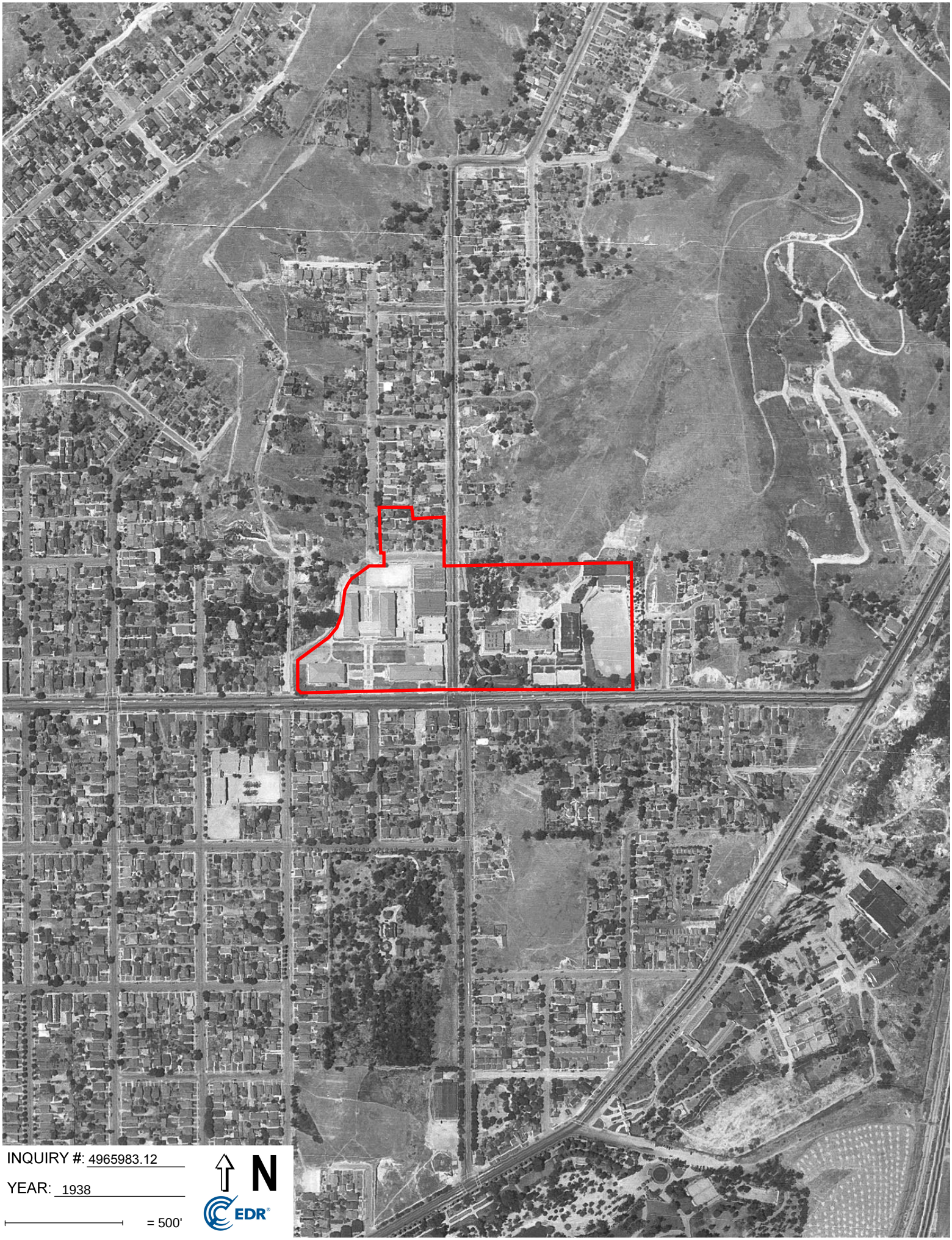
INQUIRY #: 4965983.12

YEAR: 1948

= 500'

N

EDR



INQUIRY #: 4965983.12

YEAR: 1938

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1928

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1923

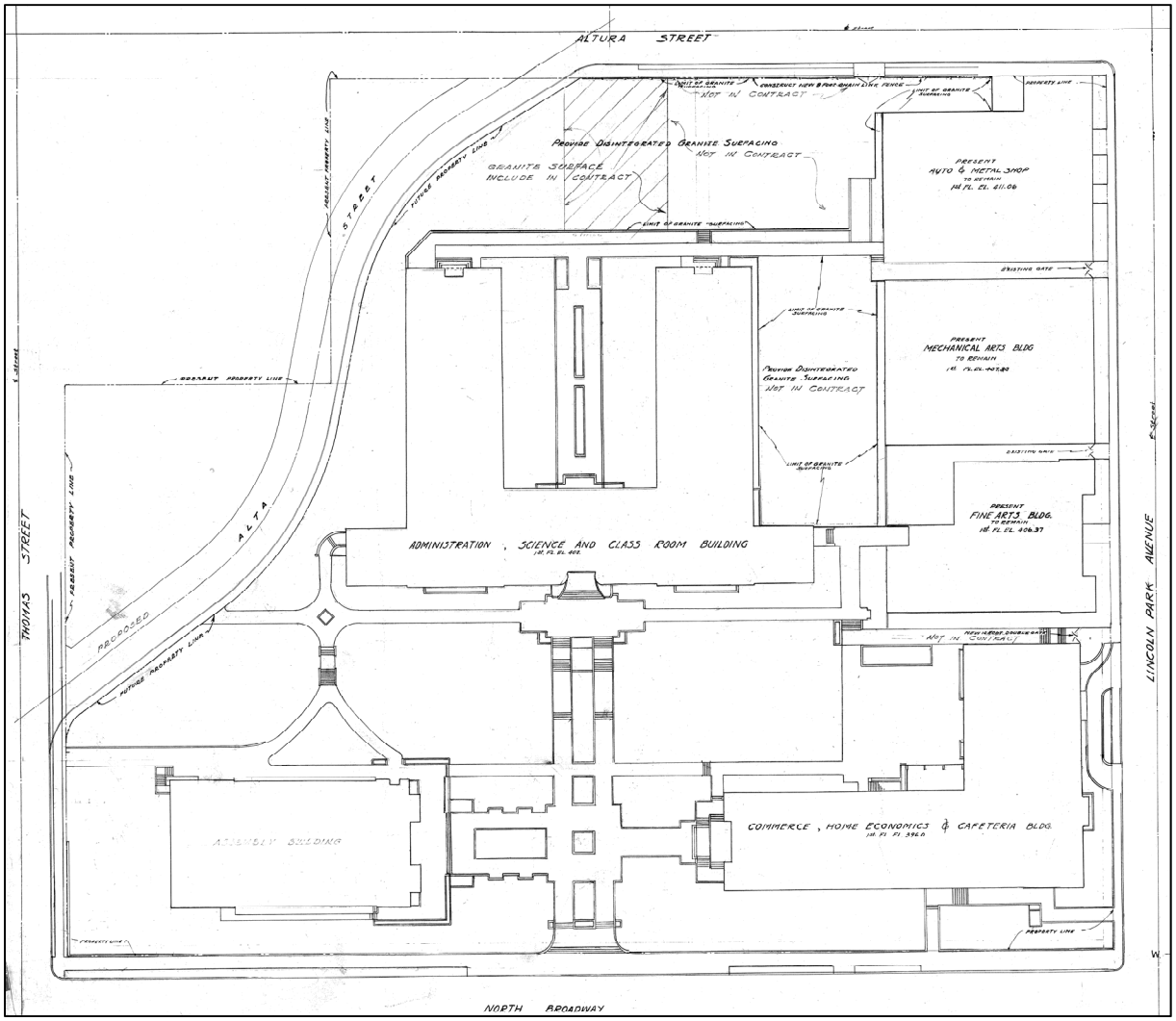
= 500'

N

EDR

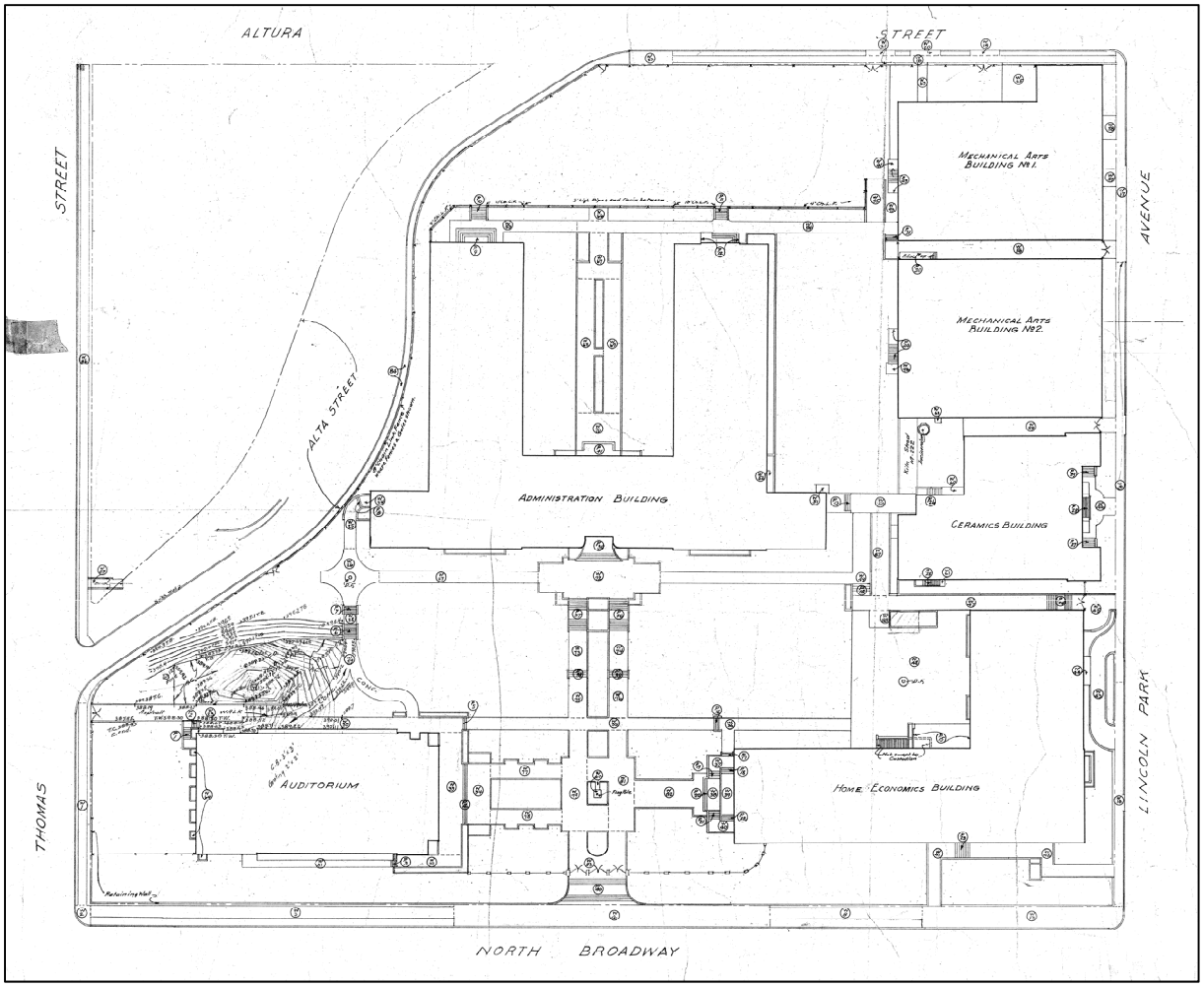
The following campus plans are provided here for informational purposes. For high resolution scans of campus plans and drawings, contact LAUSD.

Campus Plan, western parcel, 1936.



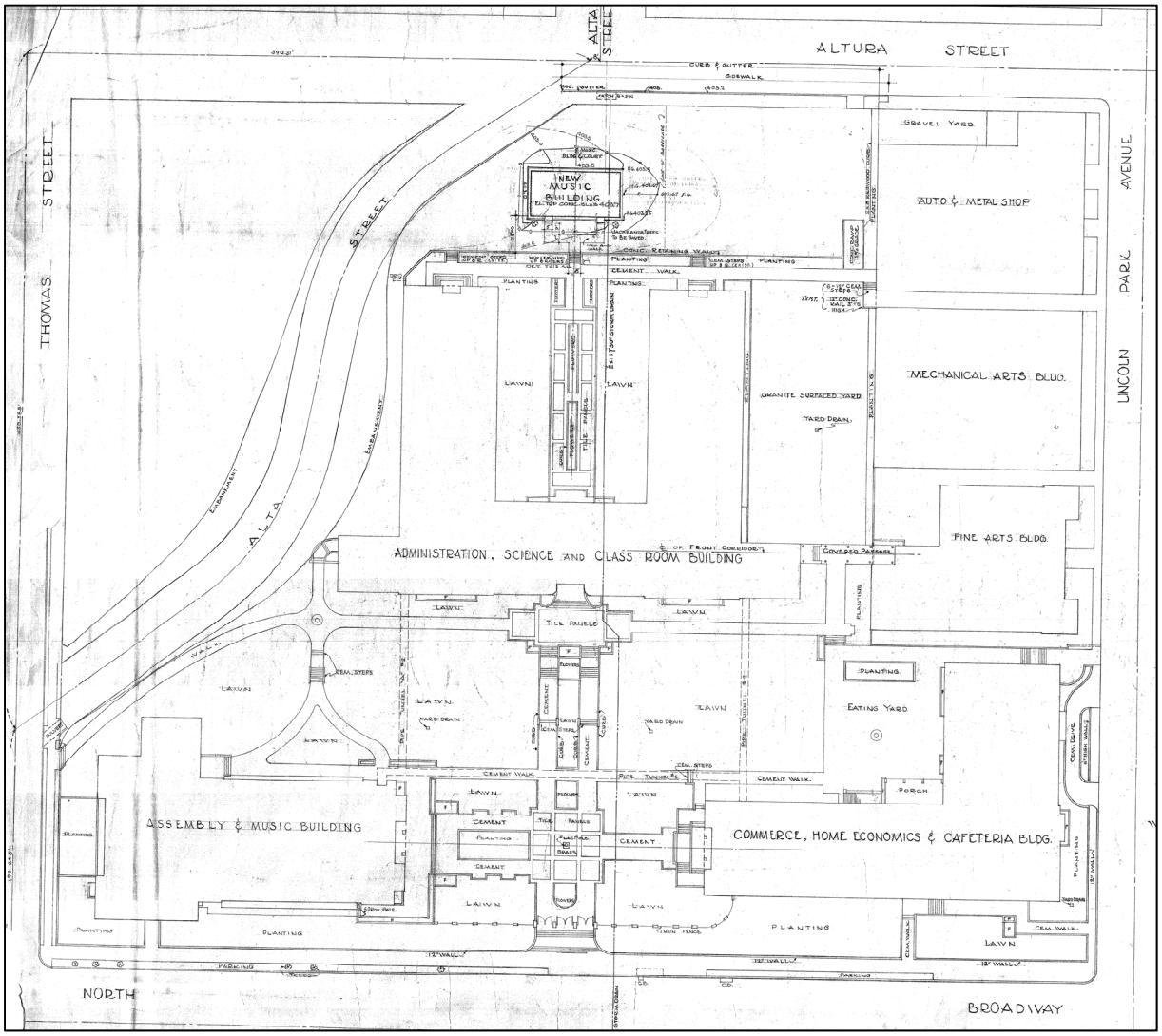
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1938.



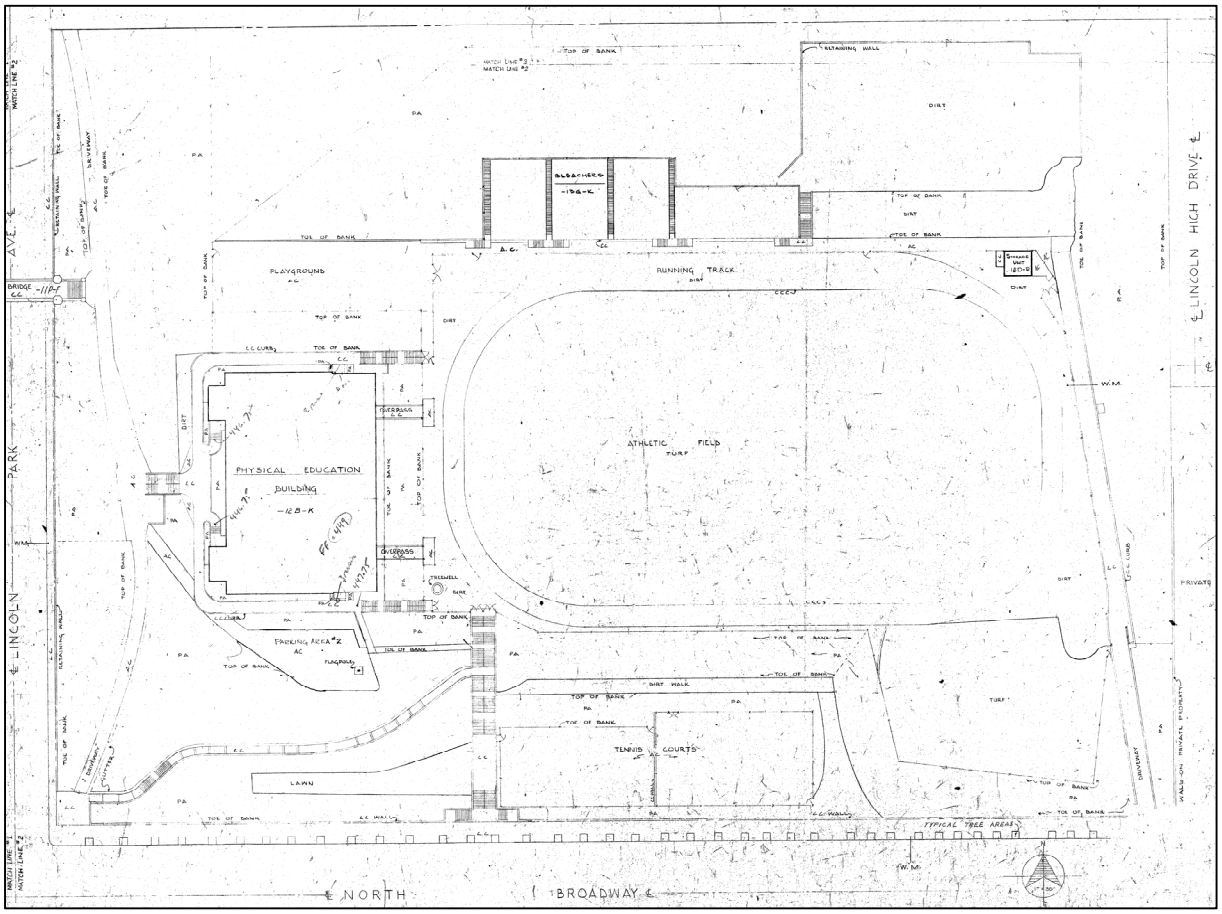
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1948.



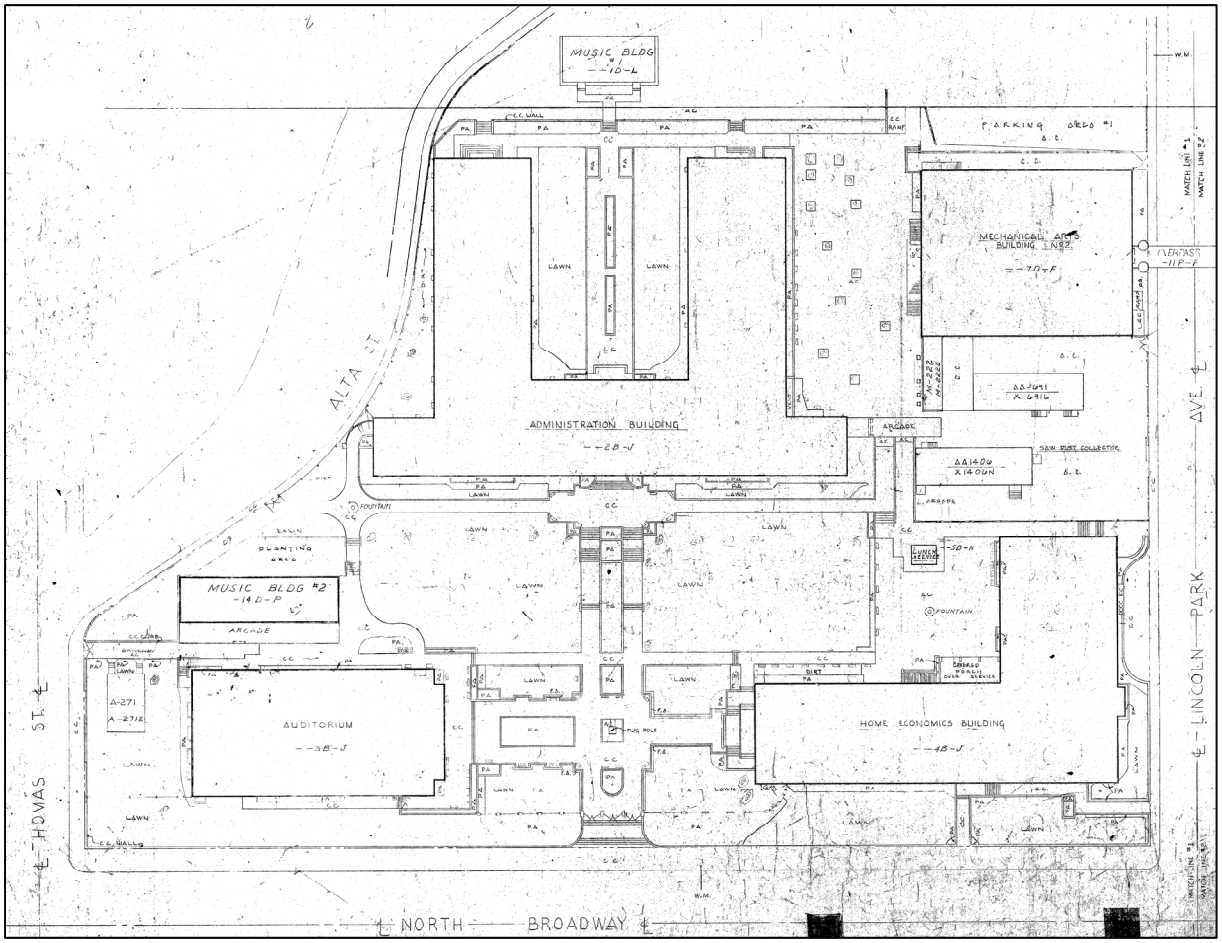
Source: Los Angeles Unified School District.

Campus Plan, eastern parcel, 1972.



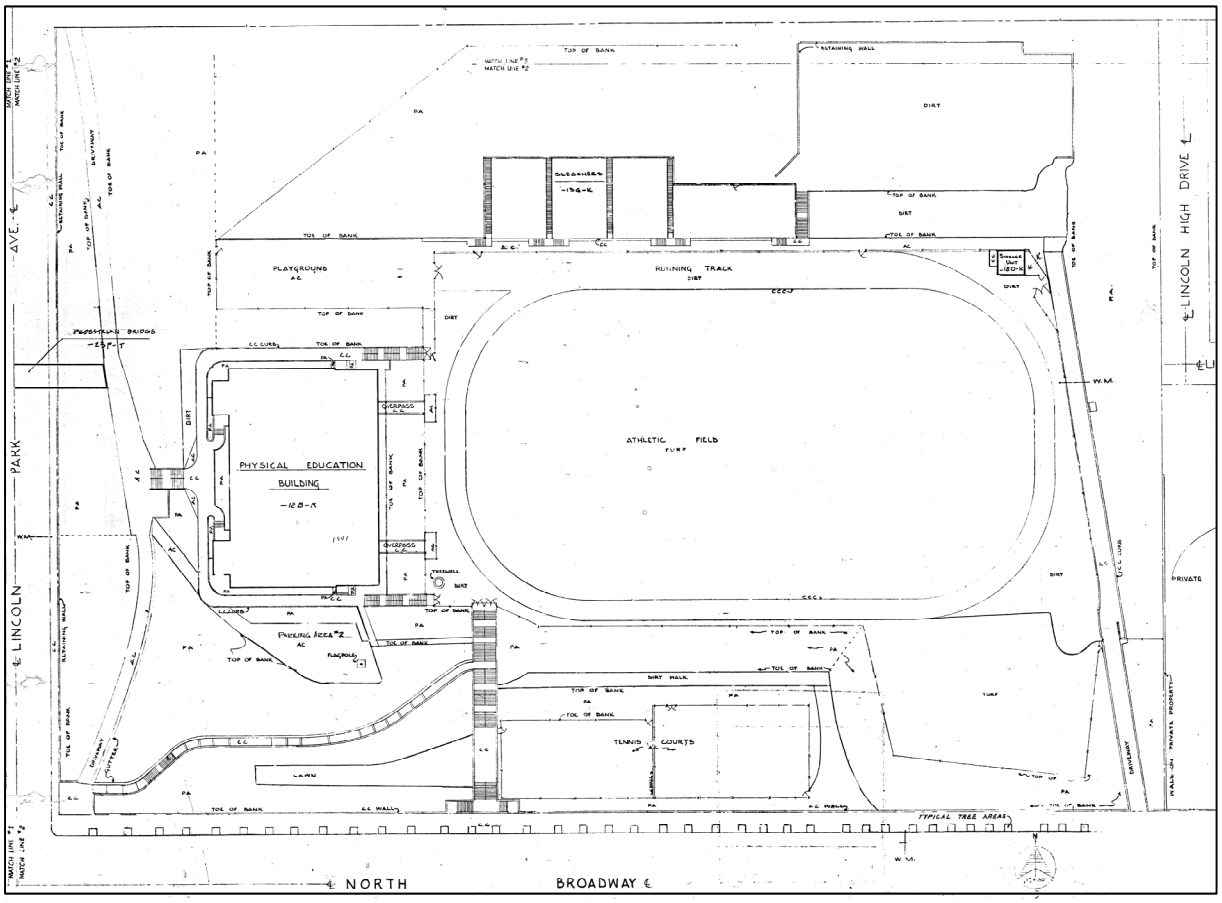
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1973.



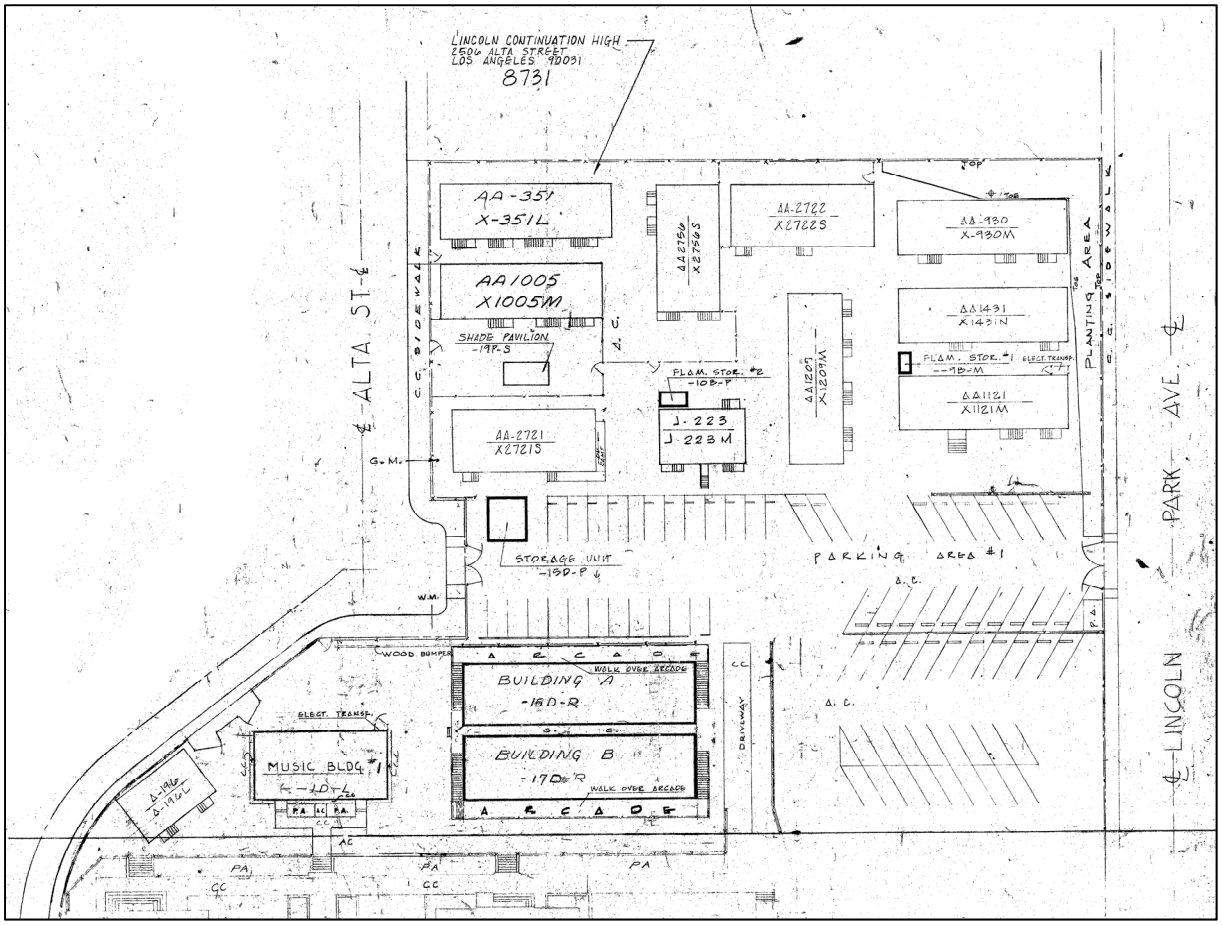
Source: Los Angeles Unified School District.

Campus Plan, eastern parcel, 1976.



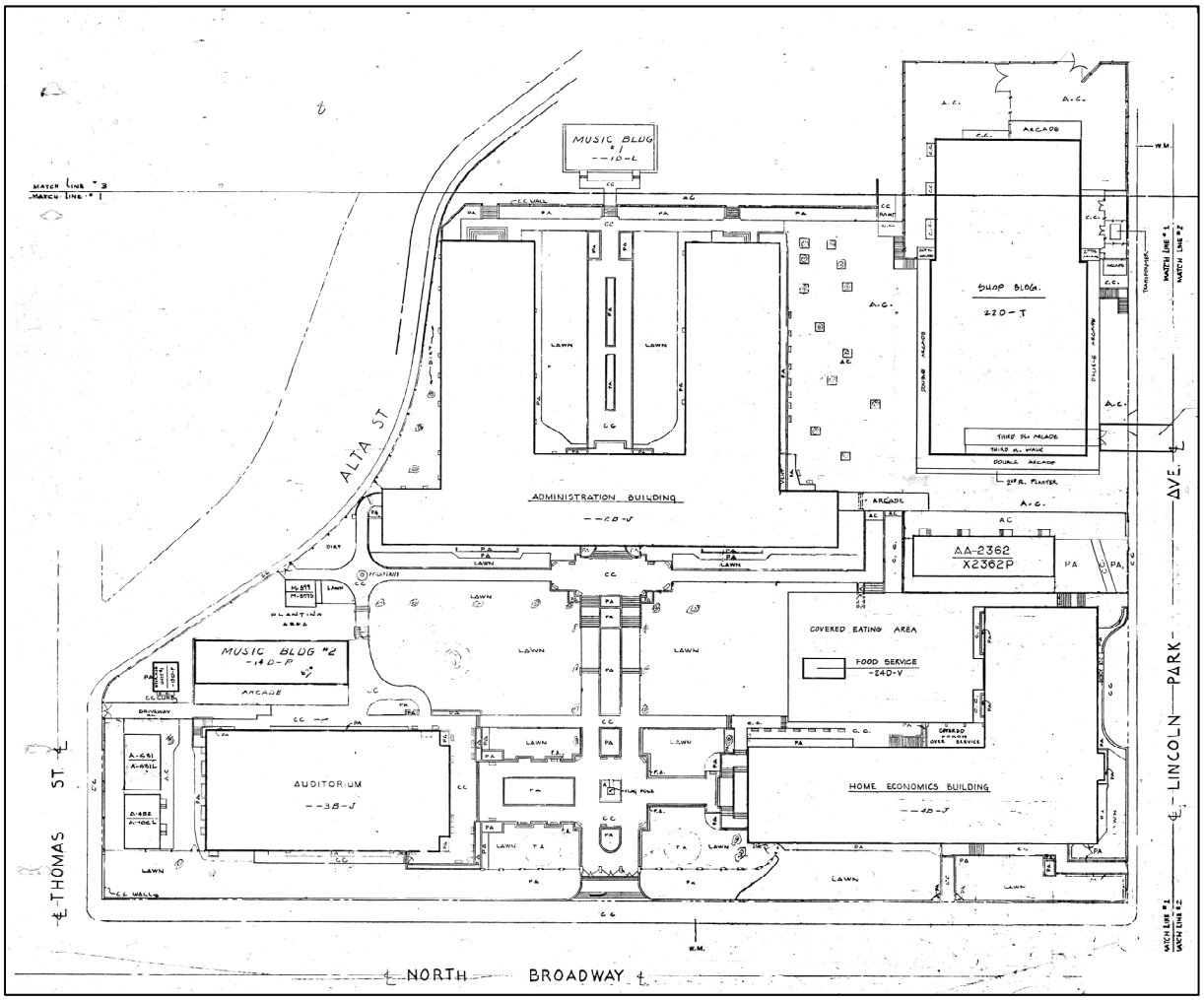
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1977



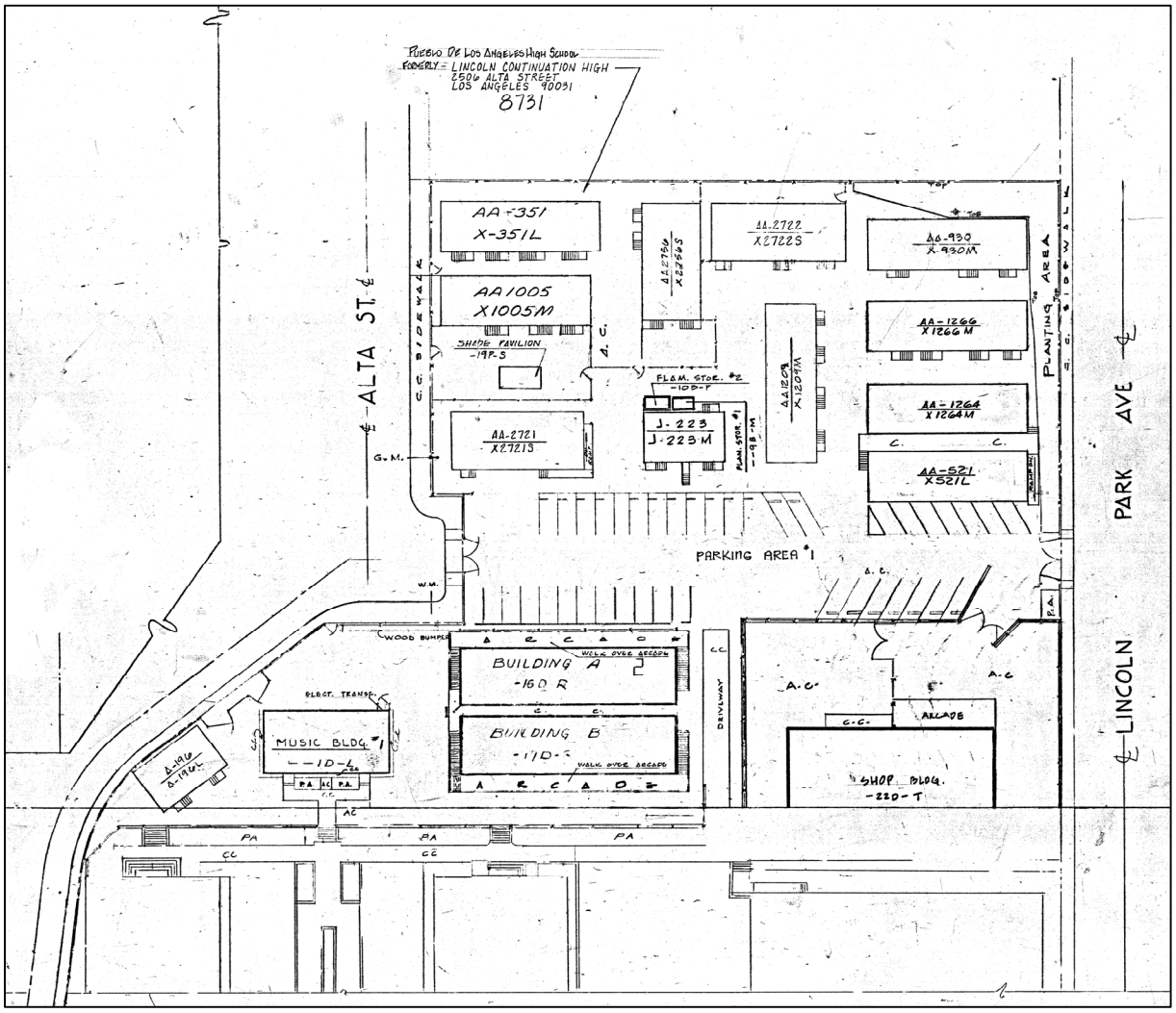
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1982.



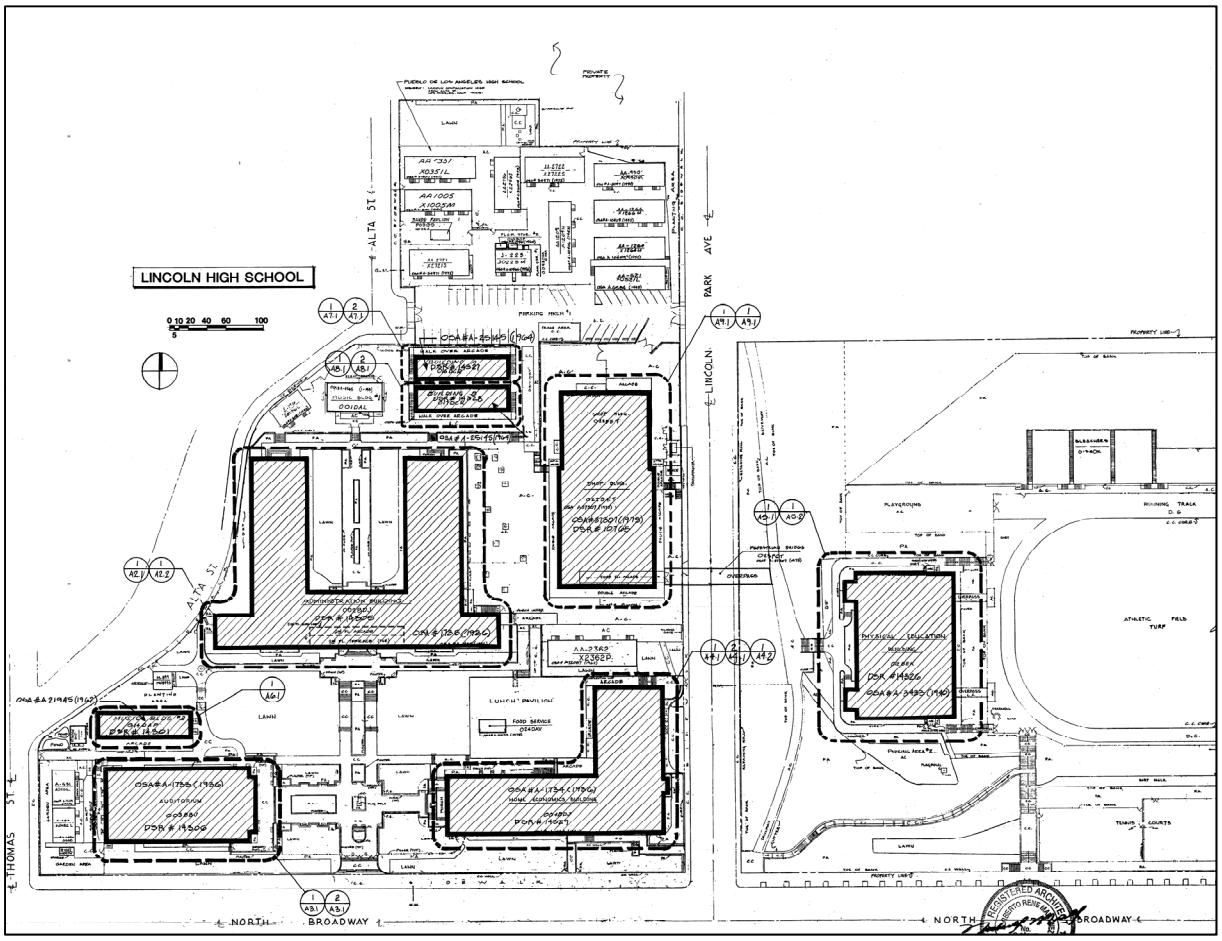
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1982.



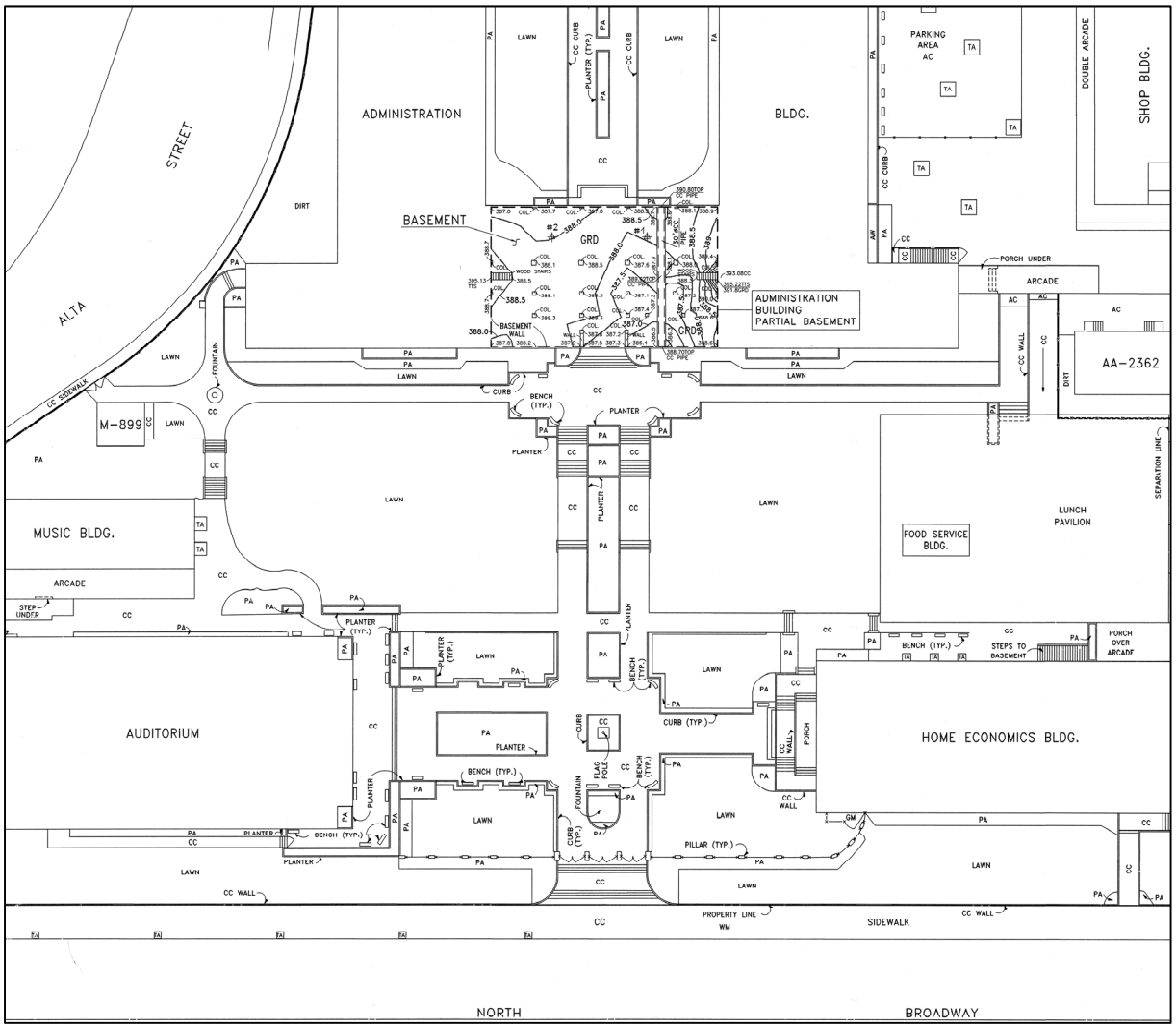
Source: Los Angeles Unified School District.

Campus Plan, 1995.



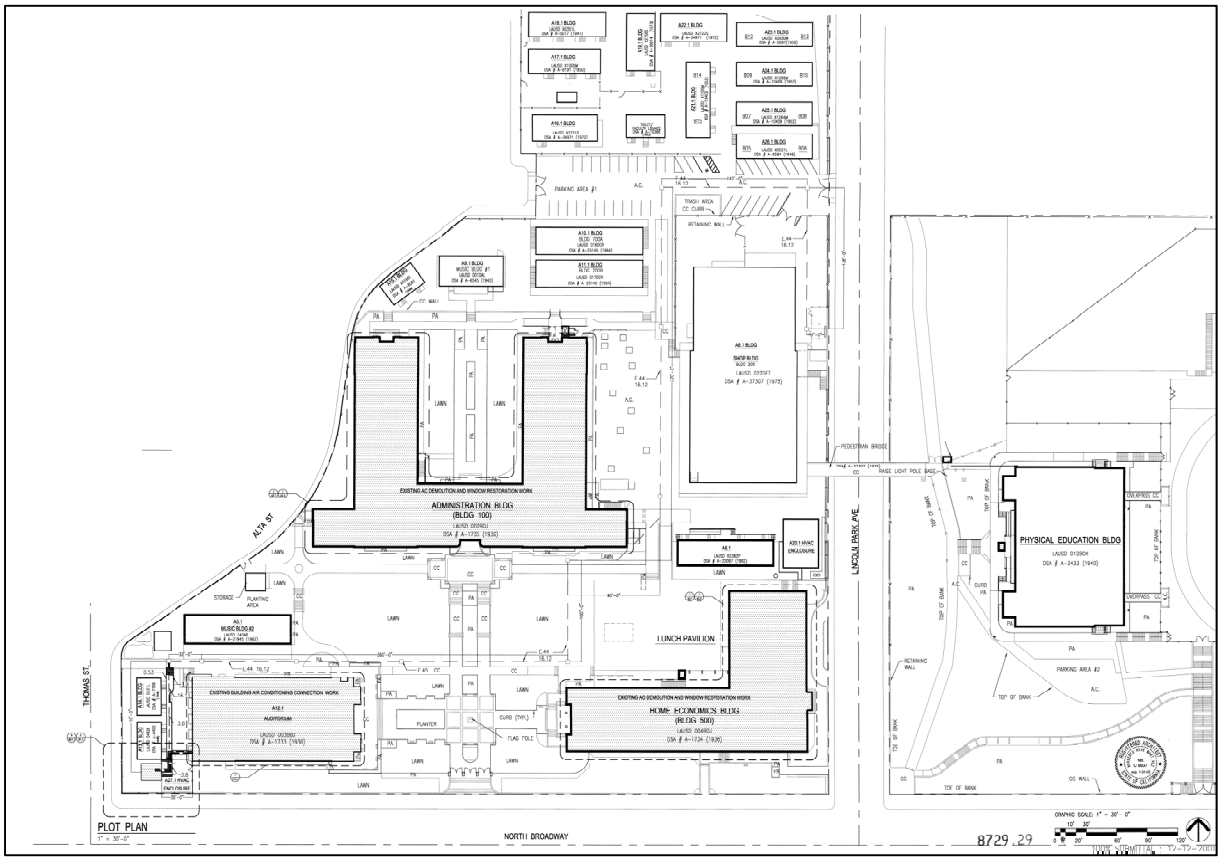
Source: Los Angeles Unified School District.

Campus Plan, western parcel, 1999.



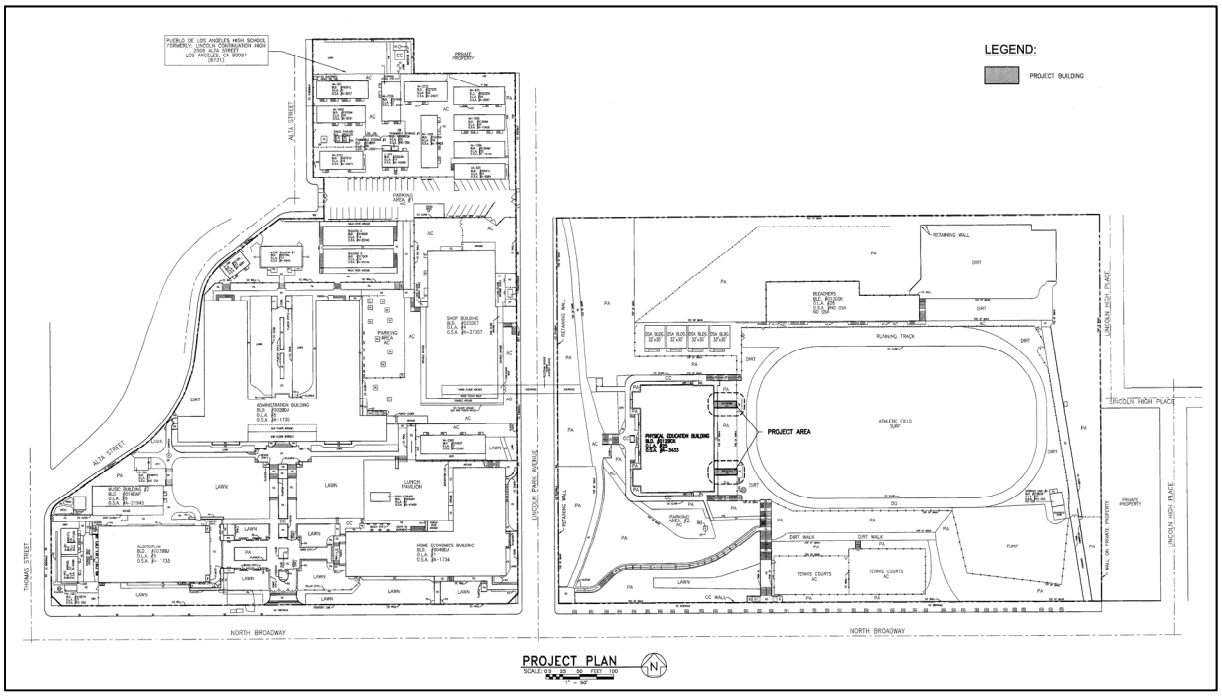
Source: Los Angeles Unified School District.

Campus Plan, 2001.



Source: Los Angeles Unified School District.

Campus Plan, 2018.



Source: Los Angeles Unified School District.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # 19-176194
HRI # District # 19-94-0555 9999
Trinomial
NRHP Status Code 2S2
Other Listings
Review Code Reviewer Christy J. McAvoy Date

Page 1 of 1

P1. Resource Identifier: LINCOLN HIGH SCHOOL
P2. Location: a. County Los Angeles and (**Address** and/or **UTM Coordinates**. Attach Location Map as required.)
b. Address 3501 N BROADWAY
City Los Angeles **Zip**
c. UTM: USGS Quad (7.5'/15') **Date** ; **Zone** , mE/ mN
d. Other Location Data (e.g., parcel #, legal description, directions to resources, additional UTMs, etc., when appropriate):

DOE-19-94-0555 NR: 2D2

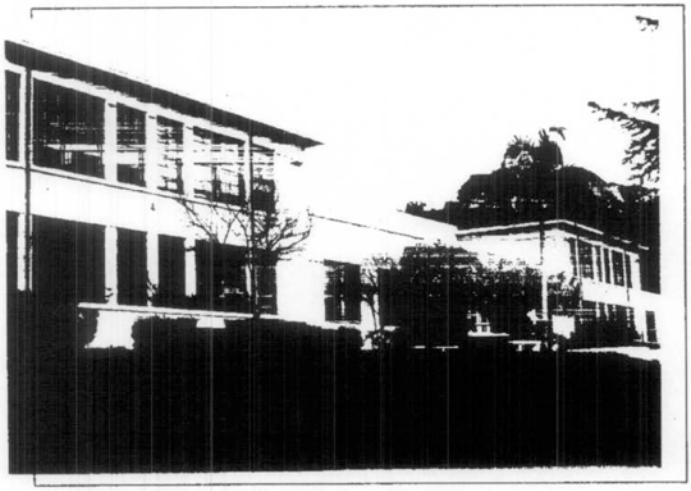
Admin-19-176279
Audit 19-176280
PMGEA 19-176281
HomeEc 19-176282

P3. Description Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries):

-0001 Prop-100841 -0002 Prop-100842 -0003 Prop-100843 -0004 Prop-100844

Four buildings -- Administration, Auditorium, Physical Education, Home Economics -- comprise the historic core of this high school campus. Designed by architect Albert C. Martin, these buildings were constructed from 1936-1940 of board-formed concrete. The complex is designed in the Moderne style, with simplified Art Deco inspired ornament and stylized Classical bas reliefs. The buildings have pitched clay tile roofs. Windows and doors are metal frame and in a variety of shapes, sizes, and configurations. Applied lettering throughout the complex identifies buildings and carved lettering is used for inspirational quotations on several building facades. The lettering is typical Moderne-era typography. The buildings have both exterior and interior painted murals from the WPA-era. A bust of Abraham Lincoln sits atop the proscenium arch of the auditorium.

P4. Resources Present: Building Structure Object Site District Element of District



P6. Date Constructed/Age: Prehistoric Historic Both
1936-1940

P7. Owner and Address:
Los Angeles Unified School District

P8. Recorded by (Name, affiliation and address): Christy J. McAvoy
Historic Resources Group
1728 N. Whitley Ave
Los Angeles, CA 90028

P9. Date Recorded: 10/16/95

P10. Type of Survey:
Intensive Other
Reconnaissance

Describe: Survey of earthquake damaged properties for purposes of Section 106 Review.

P11. Report Citation (Provide full citation or enter "none."):
1994 Northridge Earthquake Project Review

Attachments: NONE Map Sheet Continuation Sheet Building, Structure, and Object Record
District Record Linear Resource Record Other (List):

DPR 523A-Test (HRG 7/94)

HISTORIC RESOURCE ASSESSMENT REPORT

Lincoln High School
3501 N. Broadway, Los Angeles

HISTORIC RESOURCES GROUP

Rincon Consultants, Inc.

250 East 1st Street, Suite 301
Los Angeles, California 90012

213 788 4842
FAX 908 2200

info@rinconconsultants.com
www.rinconconsultants.com

MEMORANDUM FOR THE RECORD

November 17, 2017

Project No: 17-04431

Debi Howell-Ardila, Contract Professional/Historic Preservation Specialist
Los Angeles Unified School District
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017
Via email: d.howellardila@lausd.net

Subject: **Preliminary Historical Resources Evaluation of Abraham Lincoln High School 3501 North Broadway, Los Angeles, California, 90031**

Dear Ms. Howell-Ardila:

Rincon Consultants, Inc. (Rincon) was retained by the Los Angeles Unified School District (LAUSD) to conduct a historical resources evaluation for the Abraham Lincoln High School campus (subject campus), located in the Lincoln Heights neighborhood of Los Angeles, California. Methods included background research, an intensive-level field survey, and an evaluation of the campus' eligibility for listing in the National Register of Historical Places (NRHP), California Register of Historical Resources (CRHR), and for local designation. Although a full Historical Resources Evaluation Report is forthcoming, this Memorandum for the Record (MFR) was prepared to summarize the preliminary results of the evaluation, and to identify contributing properties and character-defining features as applicable. All work was conducted in accordance with the requirements of the California Environmental Quality Act (CEQA) and applicable local regulations with the purpose of compliance with CEQA, which requires lead agencies to consider the impacts of proposed projects on historical resources. The current study confirms that **the subject campus contains historical resources** as discussed further in the following sections.

Campus Summary

Construction Date (s)	1937; 1941; 1949; 1953; 1962; 1963; 1964; 1965; 1976; 1980
No. of Buildings	Fifteen (15) permanent; twenty-one (21) portable
Previous Findings	The campus , with four contributing resources, was previously determined a historical resource in 1995
Current Findings	The campus , with four contributing resources, is confirmed as a previously determined a historical resource
Total No. of Historical Resources	One(1) district with four (4) contributing resources

Preliminary Results

Site History

The Abraham Lincoln High School campus was originally developed in the 1910s on the hilly site east of present-day Lincoln Park Avenue. As of 1920, the original campus included nine buildings and structures. The Long Beach Earthquake of 1933 had disastrous effects on the Lincoln High School campus, leading to the establishment of a new campus on the parcel west of Lincoln Park Avenue and the eventual demolition of the original buildings and structures.

The post-earthquake Lincoln High School campus was designed by architect Albert C. Martin in a distinctive Moderne architectural style. Constructed in 1937, the campus included the administration, auditorium, and home economics buildings, which are extant. Three buildings that previously existed at the site were also incorporated into the new campus and are no longer extant.

The physical education building, also designed by Albert C. Martin, and bleachers were constructed on the eastern hill site in 1941. Throughout the decades that followed, additional permanent structures were incrementally added to the campus, including but not limited to a small classroom building north of the Administrative Building (1949), two flammable storage buildings (1953 and 1962), two classroom buildings northeast of the Administrative Building (1965), a Music Building north of the Auditorium (1963), a two-story shop building at the eastern edge of the site (1976), a small food service building (1980), and various portable structures throughout the campus (see Table 1 below).

Previous Historical Resource Evaluations

The Lincoln High School campus was evaluated following the 1994 Northridge Earthquake and was determined eligible through the Section 106 process for listing in the NRHP as a historic district. As a result it was automatically listed in the CRHR and is considered a historical resource.[1] Four buildings were identified as contributing resources: the Administrative Building, the Auditorium Building, the Physical Education Building, and the Home Economics Building.

The subject property was not recorded as part of the Los Angeles Office of Historic Resources' citywide historic resources, SurveyLA, because this effort excluded "individual resources and historic districts that are already designated, including properties listed in or determined eligible for listing in the National Register; listed in the California Register; or designated locally as Historic-Cultural Monuments (HCMs) of Historic Preservation Overlay Zones (HPOZs)."[2]

Current Historical Resource Evaluation

Available documentation from the previous determination does not include a statement indicating which NRHP or CRHR designation criteria the subject campus meets; however, a reasonable presumption is that this finding was based on the campus' architecture (Criteria C/3). The current study found no evidence to suggest that the previous determination was based on erroneous information and the physical appearance of the school does not appear to have changed extensively since it was recorded in 1995. As a result, the subject campus still meets Criteria C/3 as well as Criterion 3 at the local level. In light of new information, the subject campus also appears to meet the registration requirements identified in *Los Angeles Unified School District, Historic Context Statement, 1870-1969* under the theme of post-1933 Long Beach Earthquake School Plant.[3] The campus, with these four contributing resources, exemplifies post-Long Beach earthquake school planning, including requirements of the 1934 Field Act. The campus and its contributing buildings retain most associative and character-defining features from the period of significance, including their integrated site plan and orientation to the outdoors, two-story massing, reinforced concrete construction, generous expanses of windows, and their PWA Moderne style, with minimal Art Deco detailing. Therefore, the Lincoln High School Historic District is also eligible for the NRHP, CRHR, and local designation under Criteria A/1/1.

Pending further research, to be presented in the full Historic Resources Evaluation Report, the Lincoln High School campus may also be eligible for federal, state, and local designation under Criteria A/1/1 and B/2/2 at the local level for its significant associations with the Chicano Movement in Los Angeles in the late 1960s and with the Lincoln High School social studies teacher Sal Castro, an instrumental student organizer. The Lincoln campus is a known location where protests, walkouts, and meetings took place as Mexican-American students asserted their rights to equal education. Preliminary evidence indicates that the campus appears eligible within the established LAUSD theme: LAUSD and the Civil Rights Movement, 1954-1980.[4] At the current time, contributing and non-contributing features and

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[1] California Department of Parks and Recreation Form for Lincoln High School- 19-176194 (On file with the South Central Coastal Information Center, California State University, Fullerton, October 16, 1995).

[2] Historic Resources Group, *Historic Resources Survey Report: Northeast Los Angeles Community Plan Area* (Los Angeles: City of Los Angeles Department of City Planning, Office of Historic Resources, February, 2017).

[3] Sapphos Environmental, Inc. *Los Angeles Unified School District Historic Context Statement, 1870 to 1969* (Los Angeles Unified School District Office of Environmental Health and Safety, March 2014).

[4] Sapphos Environmental, 2014.

structures within this theme have not been identified, but are likely to include the contributors of the identified historic district as well as outdoor spaces within and adjacent to the campus. A summary of the buildings and their historical resource status is included in Table 1.

Table 1 Abraham Lincoln High School Buildings[5]

No.	Name	Type	Year Built	Historical Resource
20185	Single Unit Relocatable	Portable	1949	No
20255	AA-2722	Portable	1972	No
20690	Flammable Storage Building	Permanent	1962	No
20879	Administrative Building	Permanent	1937	**Yes**
21327	AA-351	Portable	1947	No
21374	Sanitary Relocatable Building	Portable	1953	No
21589	Classroom Building	Permanent	1965	No
21593	Classroom Building	Permanent	1965	No
21638	Home Economics Building	Permanent	1937	**Yes**
21639	Shop Building	Permanent	1976	No
21698	Two/Three Unit Relocatable	Portable	1950	No
21806	Single Unit Modular	Portable	2000	No
21934	Two/Three Unit Relocatable	Portable	1953	No
21994	Physical Education Building	Permanent	1941	**Yes**
22046	Single Unit Relocatable	Portable	1949	No
22083	Flammable Storage Building	Permanent	1953	No
22125	Music Building	Permanent	1949	No
22128	Storage Unit 1	Permanent	1964	No
22209	Two/Three Unit Relocatable	Portable	1972	No
22246	Two/Three Unit Relocatable	Portable	1953	No
22278	A-531	Portable	1949	No
22297	Auditorium Building	Permanent	1937	**Yes**
22552	Relocatable Storage Building	Portable	1973	No
22606	Two/Three Unit Relocatable	Portable	1950	No
22728	Single Unit Modular	Portable	2000	No
22731	Single Unit Modular	Portable	2000	No

[5] Building names and construction dates were identified through various construction drawings and other information on file with LAUSD. Note this list is limited to primary buildings and structures and does not include secondary structures such as arcades, containers, enclosures, elevator towers or the pedestrian bridge.

No.	Name	Type	Year Built	Historical Resource
22734	Single Unit Modular	Potable	2000	No
22770	AA-2756	Portable	1972	No
22876	Music Building	Permanent	1963	No
22984	Two/Three Unit Relocatable	Portable	1949	No
23001	Storage Unit Relocatable	Portable	1988	No
23016	Two/Three Unit Relocatable	Portable	1953	No
26218	Food Service Building	Permanent	1980	No
34942	New Clinic Portable	Portable	2002	No
25803	Storage Building	Permanent	N/A	No
42044	Lunch Pavilion	Permanent	N/A	No

Character-Defining Features

As defined in *Los Angeles Unified School Districts Design Guidelines and Treatment Approaches for Historic Schools* (LAUSD Design Guidelines), "character-defining features are the distinctive physical elements, materials, details, and characteristics that convey the significance of a historic building."[6] The LAUSD Design Guidelines identify five major components of historic buildings, which provide a framework for organizing and identifying a historic building's character-defining features. These components are: (1) Architectural and Ornamental Detailing; (2) Roof Forms and Features; (3) Façade Treatment; (4) Site Plan and Landscaping Features; and (5) Interior Spaces and Features.

As organized by the five major components identified above, the principal character-defining features of the Abraham Lincoln High School Historic District include (but might not necessarily be limited to) those presented below Table 2. Subsequent site inspections and removal of nonoriginal alterations might reveal additional character-defining features. To avoid significant adverse impacts under CEQA, these character-defining features should be retained in a manner that is consistent with the *Secretary of the Interior's Standards for the Treatment of Historic Properties* (Standards).[7]

[6] SWCA Environmental Consultants, *Los Angeles Unified School Districts Design Guidelines and Treatment Approaches for Historic Schools* (Los Angeles: Los Angeles Unified School District Office of Environmental Health and Safety, January 2012).

[7] Kay D. Weeks and Anne E. Grimmer, *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Building* (Washington D.C.: National Park Service, 1995).

Table 2 Abraham Lincoln High School Historic District Character-Defining Features

Component	Character-Defining Feature
Administration Building-20879	
Architectural and Ornamental Detailing	Inspirational quotations and geometric designs incised into facade Statues and other reliefs protruding from facades School name displayed with metal lettering mounted to facade Multiple forms of multi-light double hung wood sash windows Octagonal windows Copper downspout and gutters Wood panel, multi-light doors with brass hardware Clay tile window sills Curvilinear wall surfaces Decorative formed wall vents (exterior) Small steel windows within curved, formed concrete walls Decorative, patterned terrazzo flooring (exterior patio)
Roof Forms and Features	Shallow hipped roof Narrow roof overhang
Façade Treatments	Smooth finish exterior wall surfaces (board formed concrete; form marks visible) Windows occurring in groupings divided by, moderne-style piers Facades divided with simple formed elements, both horizontal and vertical
Site Plan and Landscaping Features	Entrance approach via formal, axial walkways and cascading steps Building sited on prominent, hilltop location Formal, designed landscaping Fixed, formed concrete planters Formed concrete curb walls surrounding building
Interior Spaces and Features	U-shaped building floorplan WPA era wall murals Decorative steel vents (wall-mounted) Shallow relief panels on walls Decorative, patterned terrazzo flooring in lobby Wood railings with brass mounting hardware
Auditorium Building-22297	
Architectural and Ornamental Detailing	Symmetrical, formal design Inspirational quotations incised into facade Artwork and text reliefs protruding from facade Arched ticket windows (exterior) Steel windows

Component	Character-Defining Feature
	Tall, narrow wood-panel doors with brass hardware
Roof Forms and Features	Hipped roof Narrow roof overhang
Façade Treatments	Smooth finish exterior wall surfaces (board formed concrete; form marks visible) Formal, wide public entry covered by two-story portico supported by square columns Facades divided with simple formed elements, both horizontal and vertical
Site Plan and Landscaping Features	Formal, designed landscaping Fixed, formed concrete planters and curb walls surrounding building Formed concrete garden wall and narrow lawn separate from street
Interior Spaces and Features	Curved walls Original light fixtures Decorative, patterned terrazzo flooring in lobby Original wood panel doors with brass hardware Wooden stage with curved Moderne-style staircases at each end Metal lettering mounted above windows (events in California history) Floor mounted air circulation vents Interior wall detailing (wood) accentuating the horizontal Original steel Moderne-style wall vents
Physical Education Building-21994	
Architectural and Ornamental Detailing	Flat, half-circle portico roofs made of formed concrete
Roof Forms and Features	Slightly pitched metal truss roof No roof overhang
Façade Treatments	Smooth finish exterior wall surfaces (board formed concrete; form marks visible) Facades divided with simple formed elements, both horizontal and vertical
Site Plan and Landscaping Features	Formed concrete curb walls and planters surrounding building
Interior Spaces and Features	-
Home Economics Building-21638	
Architectural and Ornamental Detailing	Formed relief panels (exterior) Multiple forms of multi-light double hung wood sash windows Wood panel, multi-light doors with brass hardware

Component	Character-Defining Feature
	Clay tile window sills Tall, narrow, steel awning windows; decorative formed concrete window surrounds Bay window with steel casements on east elevation Octagonal windows Flat portico roofs covering entries Inspirational quotations incised into curb wall at western staircase Windows inset into formed waffle pattern walls
Roof Forms and Features	Hipped roof (east-west wing) Narrow roof overhang (east-west wing) Flat roof (north-south wing) Chimney
Façade Treatments	Smooth finish exterior wall surfaces (board formed concrete; form marks visible) Windows occurring in groupings divided by simple, moderne-style piers Facades divided with simple formed elements, both horizontal and vertical
Site Plan and Landscaping Features	Formed concrete garden wall and narrow lawn separate from street
Interior Spaces and Features	L-shaped building floorplan
District Wide	
Site Plan and Landscaping Features	Two-story massing Abundant formal outdoor spaces; courtyards PWA influences throughout Formal site plan; buildings sited according to hierarchy

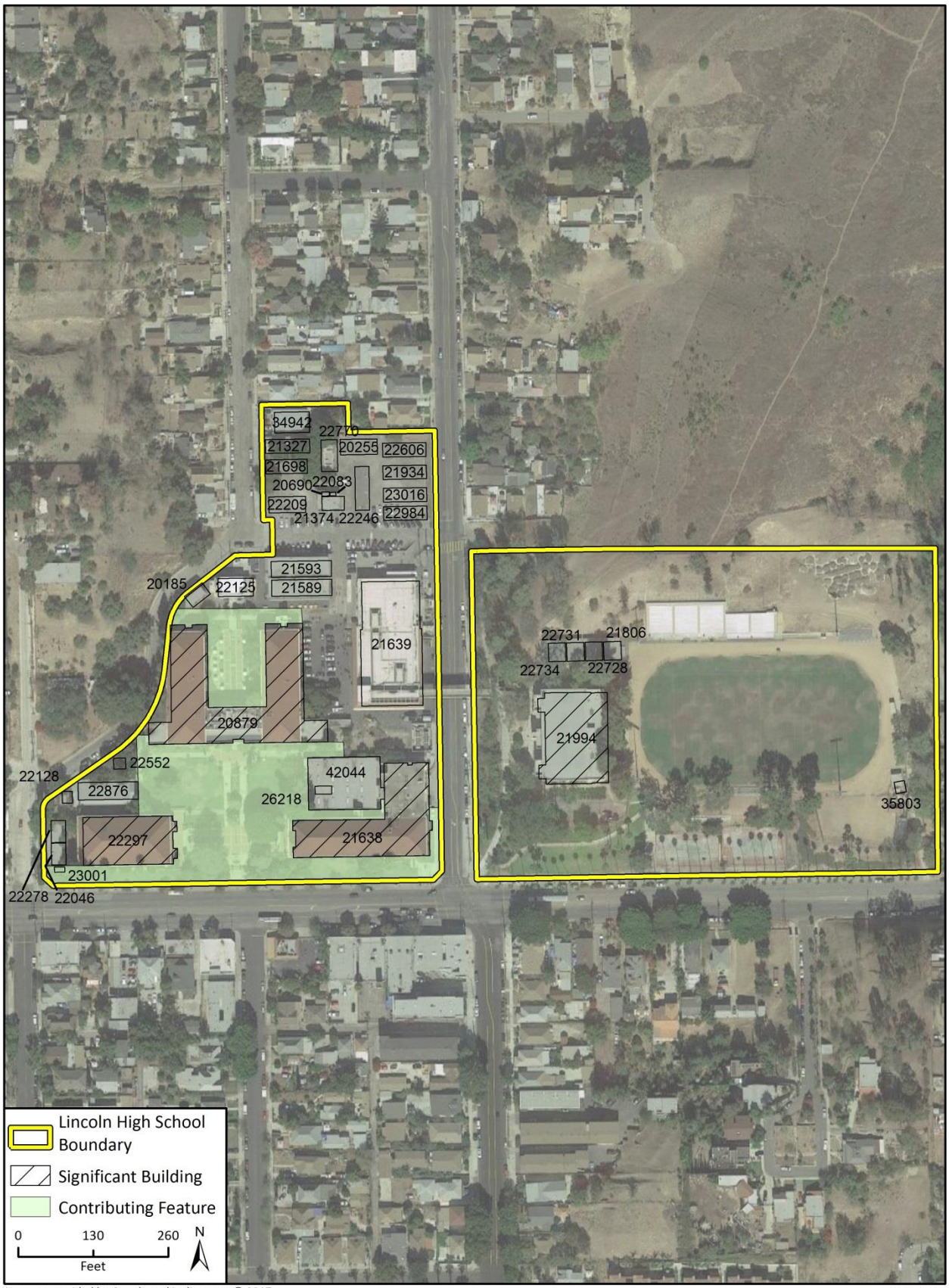
The findings of this MFR are preliminary and will be finalized in a forthcoming Historical Resources Evaluation Report. Should you have any questions in the meantime, please contact me at 213 788 4842 or scarmack@rinconconsultants.com.

Sincerely,

Rincon Consultants, Inc.

Shannon Carmack
Architectural History Program Director

Steven Treffers, M.H.P.
Senior Architectural Historian



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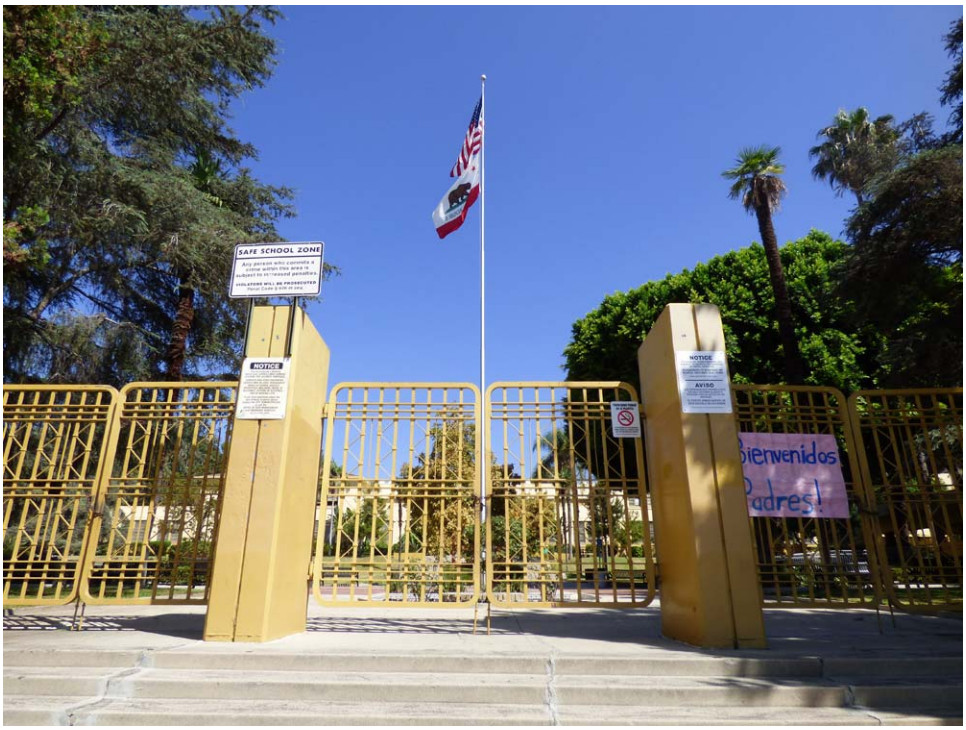
Additional data provided by LA Unified School District, 2017.



Main entrance gates along N. Broadway, north view.

Campus Quad (A), northeast view.

Campus Quad (A), northwest view.

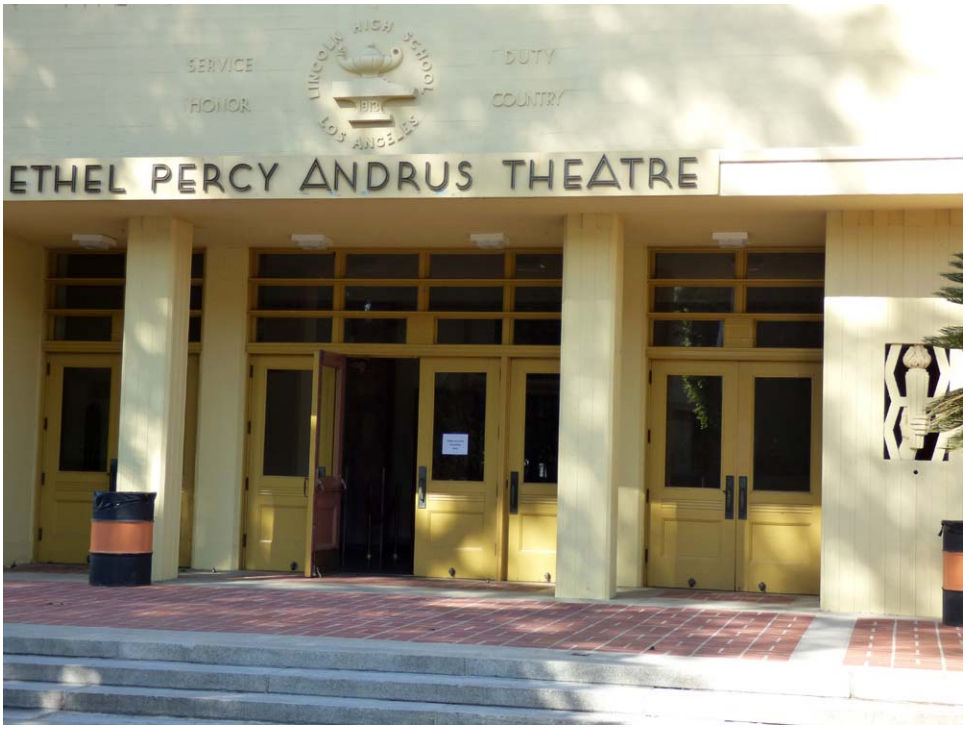
Campus Quad (A), northwest view.

Home Economics Building (2), west façade, northeast view.

Home Economics Building (2), west and north façades, southeast view.

Home Economics Building (2), west façade, detail.

Auditorium Building (3), east façade, west view.



Auditorium Building (3), east façade, detail.

Administration Building (1), south façade, northwest view.

Administration Building (1), south façade, northwest view.

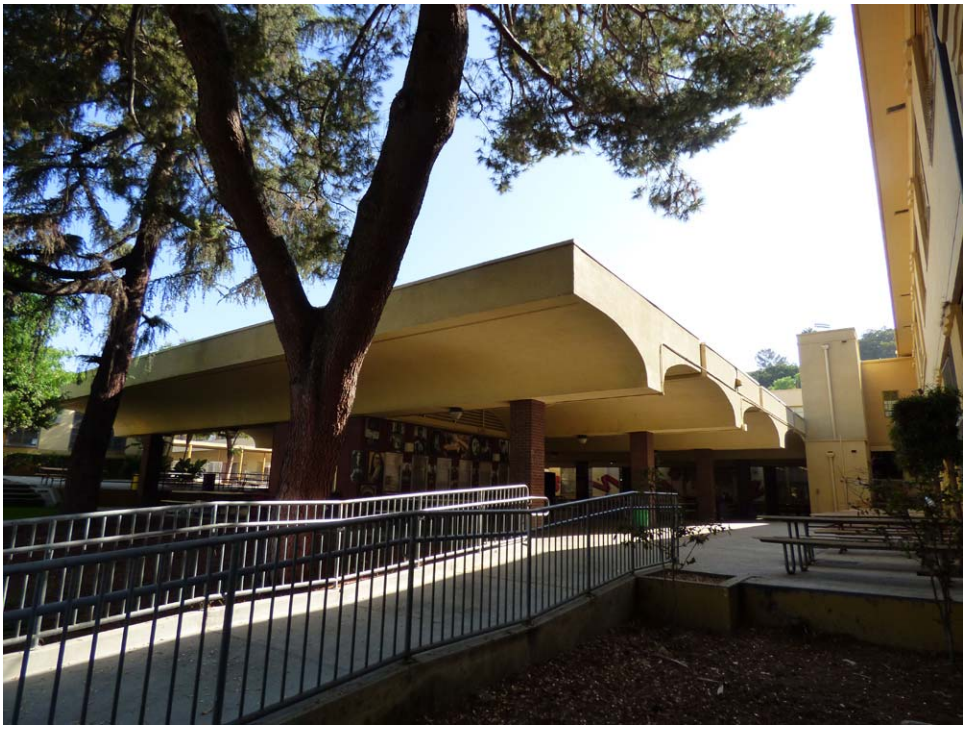
Administration Building (1), south façade, north view.

Administration Building (1), south façade, entrance detail.

Administration Building (1), south façade, northeast view.

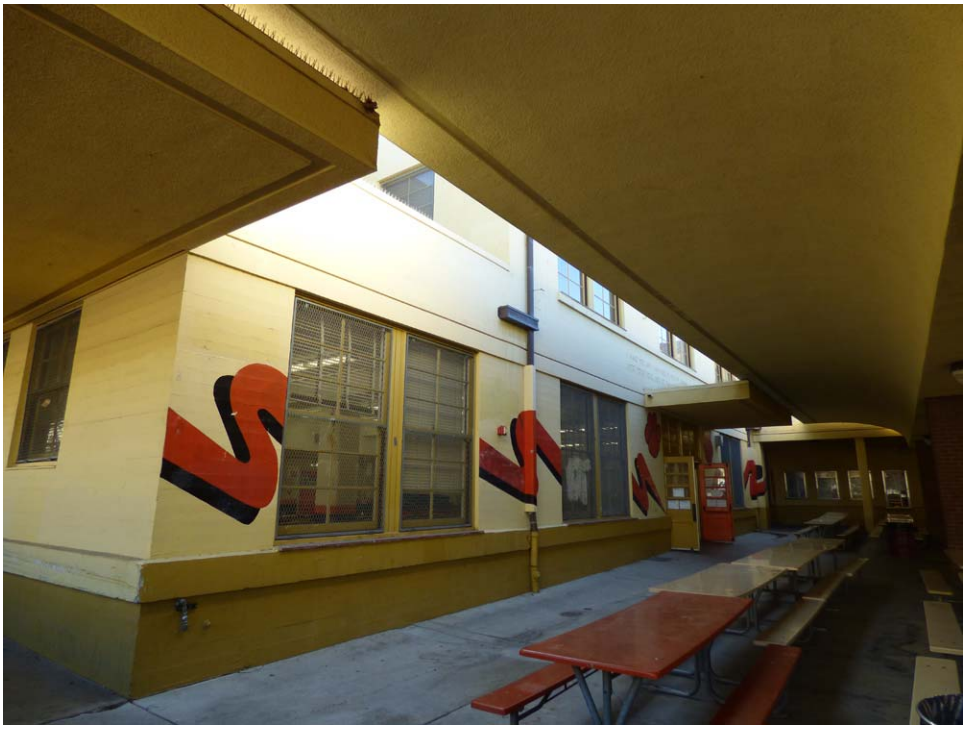
Campus Quad (A), southwest view.

Campus Quad (A), southeast view.



Lunch Pavilion (5), northeast view.

Lunch Pavilion (5), southeast view.



Home Economics Building (2), west façade, southeast view.

Shop Building (6), south facade, northeast view.

Shop Building (6), west facade, northeast view.

Administration Building (1) and Building B (12), southwest view.

Building B (12) and Building A (11), southwest view.

Building B (12) and Building A (11), west view.

Administration Building, east and north façade, southwest view.

Administration Courtyard (B), southwest view.

Administration Building (1), north courtyard façade, south view.

Administration Courtyard (B), northwest view.

Administration Building (1), north façade, southwest view.

Relocatable Building (14) and Music Building No. 1 (10), west view.

Relocatable Building (14), southeast façade, northwest view.

Relocatable Building (21), south façade, north view.

Relocatable Building (19), west and south façade, northeast view.

Mechanical Enclosure (13), north and west façades, southeast view.

Music Building No. 2 (9), south and east façades, northwest view.

Relocatable Building (18) and Relocatable Building (17), east façade, southwest view.

Gardener Storage Building (16), south and east façades, northwest view.

Relocatable Storage Building (15), east and north façades, southwest view.

Administration Building (1), south façade, east view.

Campus Quad (A) and main entrance gates, southwest view.

Auditorium Building (3), south façade, northwest view.

Home Economics Building (2), south façade, northeast view.

Home Economics Building (2), south façade, northeast view.

Home Economics Building (2), south façade; N. Broadway; northwest view.

Home Economics Building (2), south and east façades; Lincoln Park Avenue; north view.

Shop Building (6), east façade; Pedestrian Overpass (7); northwest view.

Administration Building, west façade; Alta Street; south view.

Relocatable Building (14), northwest façade, southeast view.

Music Building No. 1 (10), north and west façades, southeast view.

Pedestrian Overpass (7), east view.

Shop Building (6) and Pedestrian Overpass (7), west view.

Elevator Tower (8), west and south façades, northeast view.

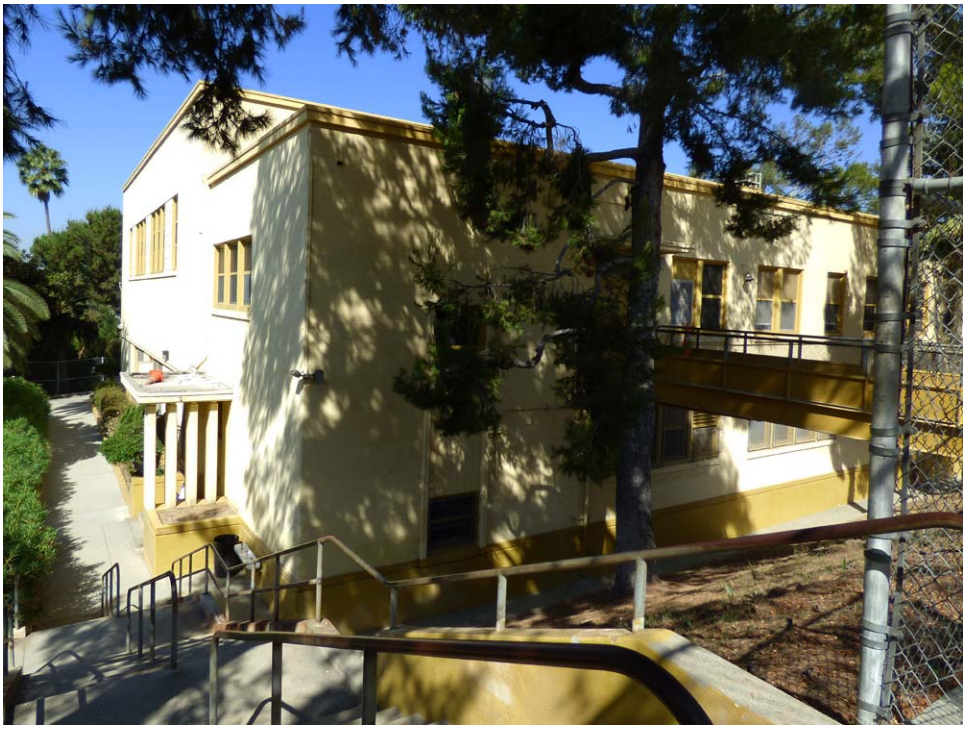
Physical Education Building (4), west façade, northeast view.

Physical Education Building (4), west façade, northeast view.

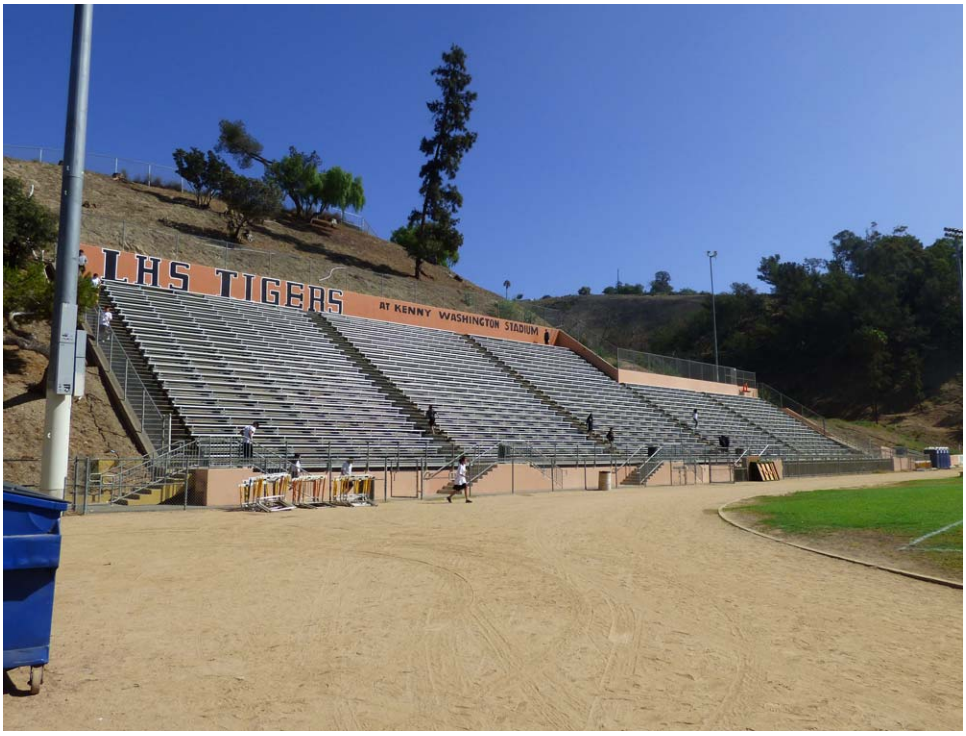
Physical Education Building (4), west façade, northeast view.

Physical Education Building (4), north façade, southeast view.

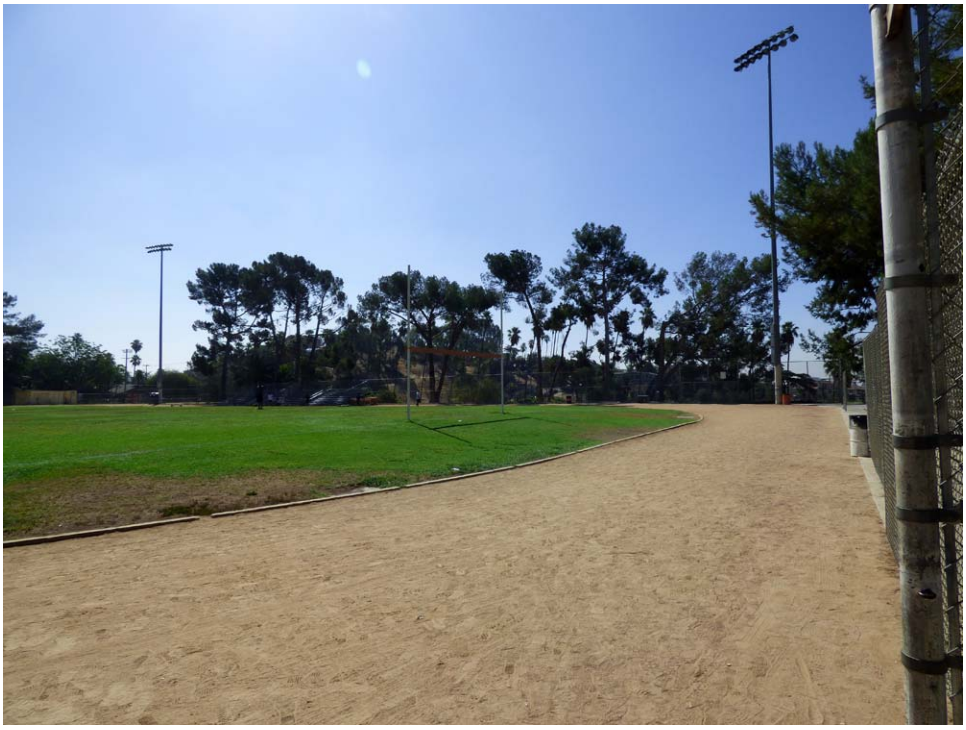
Physical Education Building (4), east façade, south view.



Physical Education Building (4), south and east façades, northwest view.

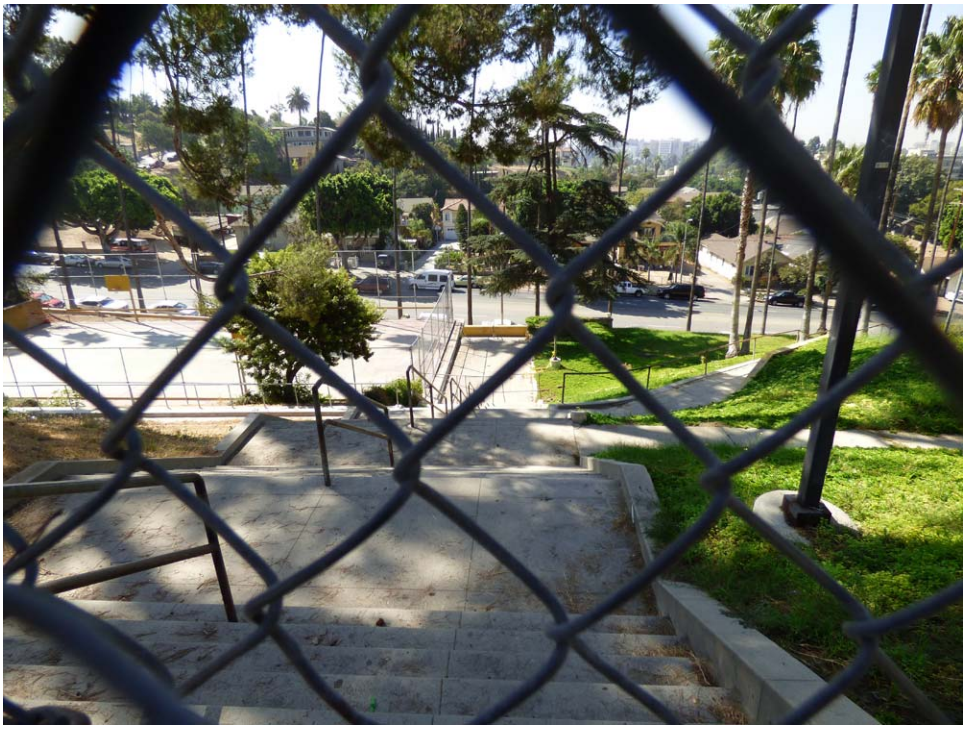


Bleachers (27), northeast view.


Football Field & Track (G), southeast view.

Gardener Storage Building (28), north and west façades, southeast view.

Modular Buildings (23-26), south and east façades, northwest view.



Original Campus Stairway (K), south view.

Eastern parcel; N. Broadway; northeast view.

Original Campus Stairway (K); N. Broadway; north view.

APPENDIX B

Site Circulation Report

Site Circulation Report

LAUSD SCHOOL MODERNIZATION PROJECT - ABRAHAM LINCOLN HIGH SCHOOL

LIN Consulting, Inc.

Traffic, Civil, and Electrical Consulting Engineers

Prepared by:
LIN Consulting, Inc.

For:
ESA
Los Angeles Unified School District

October 11, 2018

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APPENDICES

APPENDIX A: FIELD REVIEW SHEETS
APPENDIX B: WALK AUDIT SHEETS
APPENDIX C: SELECTED PHOTOS
APPENDIX D: ADDITIONAL INFORMATION

1.0 INTRODUCTION

The purpose of this report is to document existing traffic and circulation conditions at Abraham Lincoln High School (Lincoln HS), located at 3501 North Broadway in the Los Angeles Unified School District's (LAUSD) East District in the Lincoln Heights community of the City of Los Angeles. This report summarizes existing conditions, including circulation operations, for use in the facilities planning and design process for the Lincoln HS Comprehensive Modernization Project.

Observations include conditions and operations at adjacent intersections and roadway segments, internal parking lots, external parking lots, and identified or reported issues. Other existing conditions recorded are general vehicular travel (including pick-up/drop-off operations), school bus, parking, transit, pedestrian, and bicycle behaviors. To aid this process, a safety audit (with an emphasis on walking) was performed. The audit encompasses positive and negative experiences during field visits from a professional civil engineering perspective, as well as an end user of the facilities. Walkability, accessibility, visibility, and safety of pedestrians and bicyclists are some of the major concerns that were evaluated in the audit. A follow-up interview regarding access, egress, and circulation at the school was conducted with Lincoln HS Principal Jose Torres, on May 7, 2018.

This report concludes with observed deficiencies, major operational and/or circulation issues, and offers potential opportunities for improvements to site access and/or onsite circulation at Lincoln HS that can be explored further in the facilities planning process for the Lincoln HS Comprehensive Modernization Project, as well as other future projects. ***Appendix A*** includes notes from the field review conducted on April 24, 2018, and ***Appendix B*** includes notes from the walk audits conducted on the same date. Selected photos depicting conditions described in this report are included in ***Appendix C***. ***Appendix D*** provides additional information on circulation, such as traffic counts on record.

1.1 School and Neighborhood Description

The Lincoln HS campus is located in the community of Lincoln Heights, a few miles east of downtown Los Angeles. Single- and multi-family residential and limited commercial zones surround the immediate vicinity of Lincoln HS. Lincoln HS was founded in 1878. The portions of the current campus, the Administrative, Auditorium, and Home Economics buildings, were constructed in 1937. The Physical Educational Building was constructed in 1941. Various other buildings and structures were added to the Campus in subsequent years.

Lincoln HS has a planned enrollment of 1,100 students, with 65 regular staff and 4 guidance counselors.

2.0 TRANSPORTION NETWORK

2.1 Streets and Intersections

The Lincoln HS main campus is generally bound by North Broadway to the south, Lincoln Park Avenue to the east, Alta Street to the northwest, and Altura Street (private) to the north. The eastern campus and football field are located on the northeast corner of Lincoln Park Avenue and North Broadway, and can be accessed directly on Altura Street. Roadway characteristics, including roadway classification identified in the City of Los Angeles *Mobility Plan 2035*[1], for study area roadways are provided below.

STUDY AREA ROADWAYS

Lincoln Park Avenue is a north-south roadway classified as a Collector street with one travel lane in each direction within the school zone. Curb parking is allowed all day north of Altura Street, except Wednesdays from 12:30 pm and 2:30 pm on the east side, and Tuesdays 12:30 pm and 2:30 pm on the west side (for street sweeping). The posted speed limit is 30 mph, and 25 mph when children are present in accordance with California Vehicle Code. U-turns are prohibited along Lincoln Park Avenue north of North Broadway within the school zone.

North Broadway is an east-west roadway classified as an Avenue I with two travel lanes in each direction within the school zone. The posted speed limit is 35 mph within the school zone; and 25 mph when children are present in accordance with California Vehicle Code. Curb parking is allowed all day on the south side, with a 1-hour restriction from 8:00 am to 6:00 pm. No stopping/parking is permitted on the north side between 7 am and 5 pm, with the exception of a 15-minute parking zone west of the Lincoln HS main gate, which can accommodate 1 to 2 vehicles.

Altura Street is a former street segment between Alta Street and Lincoln Park Avenue (on the Lincoln HS campus), and also serves as a driveway onto the eastern portion of the Lincoln HS campus east of Lincoln Park Avenue. A separate portion of Altura Street extends part way to the Lincoln HS football field to the east, and leads to a gate to the facilities located on the eastern parcel of the campus. It is located on school grounds, and is currently used only for school

[1] *Los Angeles Department of City Planning. Mobility Plan 2035 (California: Los Angeles, 2016)*

operations. There is no posted speed limit. Parking is allowed in the lots adjacent to the street (school faculty and visitor parking only).

Alta Street is a north-south roadway classified as a Local (standard) street with one travel lane in each direction within the school zone. Alta Street between Thomas Street and Altura Street is closed to the public. There is no posted speed limit. Curb parking is allowed all day north of Altura Street, except Wednesdays from 12:30 pm and 2:30 pm on the east side, and Tuesdays 12:30 pm and 2:30 pm on the west side (for street sweeping). Curb parking is prohibited on the southeast side between Thomas Street and Altura Street, except between 6:30 am and 3:30 pm on school days, and prohibited at all times on the northwest side.

Thomas Street is a north-south roadway classified as a Local (standard) street with one travel lane in each direction within the school zone. There is no posted speed within the school zone. Curb parking is allowed all day between North Broadway and Alta Street on the east side, and prohibited on Wednesdays between 7:00 am and 10:00 pm on the west side. Curb parking is prohibited on both sides north of Alta Street. Trucks over 6,000 pounds are prohibited north of North Broadway.

STUDY AREA INTERSECTIONS

Lincoln Park Avenue & North Broadway is a signalized offset intersection with permissive left turn signal phasing for both directions of North Broadway, and split signal phasing on Lincoln Park Avenue. The intersection operates under semi-actuated signal timings, with North Broadway as the coordinated street.

Lincoln Park Avenue & Altura Street is an unsignalized intersection with stop control on all movements.

Alta Street & Thomas Street is an unsignalized T-intersection with stop control on Alta Street.

North Broadway & Thomas Street is a signalized intersection with permissive left turns on all movements. Pedestrian phase recall occurs along Thomas Street, with the pedestrian signal phase leading the through signal phase. The intersection operates under semi-actuated signal timings, with North Broadway as the coordinated street.

Specific characteristics of each intersection, including lane configurations, can be found in ***Appendix A***.

2.2 Transit

Bus transit stops and services (operators and routes) provided adjacent to Lincoln HS are as follows:

- North Broadway
  - Northwest corner of Thomas Street
    - Metro 252 (westbound), Metro 45 (westbound)
    - LADOT DASH Lincoln Heights/Chinatown (westbound)
  - Southwest corner of Lincoln Park Avenue
    - LADOT DASH Lincoln Heights/Chinatown (eastbound)
- Lincoln Park Avenue
  - Southeast corner of Altura Street
    - Metro 252 (northbound)
  - Southwest corner of Altura Street
    - Metro 252 (southbound)

2.3 Bicycle and Pedestrian Facilities

There are no bicycle facilities located within the school zone. No bicycle racks are provided on school grounds. In the *Mobility Plan 2035*, Lincoln Park Avenue is listed as part of the Neighborhood Enhanced Network, which are slow-moving, locally-serving streets that promote safety of all roadway users; and North Broadway is listed as part of the proposed Bicycle Lane Network, a network of arterial streets prioritizing bicycle movement, within the school zone.

Sidewalks exist on both sides of North Broadway, Thomas Street, and Lincoln Park Avenue within the school zone. Sideways terminate on Thomas Street north of Alta Street. A sidewalk exists on the south side of Alta Street. Altura Street does not contain any sidewalks. In the *Mobility Plan 2035*, North Broadway is listed as a Pedestrian Enhanced District; which are areas where pedestrian improvements are prioritized relative to other modes, within the school zone.

According to the interview of Lincoln HS Principal Jose Torres, only 10 to 20 students and faculty bike to Lincoln HS regularly. Because there are no bicycle racks on campus, bicycles are locked in miscellaneous locations throughout Lincoln HS. Mr. Torres also noted that they have several students from the surrounding neighborhood who walk to school.

2.4 Parks and Other Recreational Facilities

Lincoln Park is approximately ½ mile south of Lincoln HS. Lincoln Heights Youth Center and Lincoln Heights Recreation Center are both approximately ¾ mile west of Lincoln HS. Ela Park is approximately ¼ mile northwest of Lincoln HS. Ascot Hills Park is approximately ½ east of Lincoln HS.

2.5 Congestion Location Observations

During the morning drop off period, queues were observed for the eastbound left turn from North Broadway to Lincoln Park Avenue. Southbound right turning vehicles and parents dropping off students along Lincoln Park Avenue were observed to frequently block through vehicles. General congestion occurs during the morning and afternoon bell periods due to the number of parents who pick-up or drop-off students at various undesignated locations surrounding the campus. ***Appendix D*** contains traffic counts that were obtained from the City of Los Angeles Department of Transportation (LADOT) *NavigateLA* database.

3.0 SCHOOL OPERATIONS

3.1 Parking

At the Lincoln HS main campus, there are two main parking lots, with miscellaneous other smaller parking areas. The main faculty/visitor lot that runs through Altura Street (private) contains 37 marked spaces, including 2 van-accessible spaces. There are two unmarked areas in this parking lot, which can accommodate approximately 100 vehicles. These areas had been occupied by temporary modular units until recently. A faculty-only lot with access from the south side of Altura Street (private) contains 28 spaces, including 1 standard vehicle-accessible space. Among several miscellaneous unmarked parking areas, a small parking area exists on the west side of Lincoln Park Avenue, which accommodates 1 marked van accessible space. No signage exists to indicate that any of these lots are available for visitors.

At the Lincoln HS east campus and football field, three unmarked parking areas exist. These are generally only accessible during football games, and do not appear to be utilized during the school day. One lot can be accessed via a gated entrance (public portion of Altura Street off Lincoln Park Avenue). Two other lots can be accessed by using a gated entrance off of North Broadway.

Both students and faculty utilize available curb parking; particularly faculty along Alta Street. Lincoln HS administration stated that parking utilization had been very high when enrollment was closer to 2,000 students (and mobile classrooms were on-site).

3.2 Circulation

Lincoln HS administration indicated that most vehicular traffic to or from the school travels from Lincoln Park Avenue south, from North Broadway east or west, or cuts through the neighborhoods from the north or south.

There are no designated or signed pick-up/drop-off areas. Therefore, parents use whatever space is available, although major patterns exist. Parents drive north on Thomas Street, northeast on Alta Street, through Altura Street (private), and use all three streets for pick-up/drop-offs. Parents also use the west curb of Lincoln Park Avenue for pick-up/drop-offs, many of whom drive northbound on Lincoln Park Avenue and then illegally U-turn southbound. The north side of North Broadway east of Lincoln Park Avenue is also used for pick-up/drop-offs. During the afternoon bell period, many students board Metro buses on Broadway, mostly in the westbound direction. As a result of more students taking Metro buses to get home than taking Metro buses to get to school, there are fewer pick-ups during the afternoon bell period than drop-offs in the morning bell period.

Although no stopping is permitted on the north side of North Broadway immediately before and after school hours, school bus loading and unloading occurs in this location, as well as parent pick-up/drop-offs. Some of these vehicles were observed to occasionally block public transit buses and even block crosswalks or park on top of curb ramps. Flexible posts and bollards are installed on the northwest and southwest corners of North Broadway and Lincoln Park Avenue to discourage driving onto sidewalks or in parking areas.

Since Lincoln HS is a closed campus, several gates restrict access and are opened only for morning and afternoon bell periods, with a side entrance (near the southwest corner of Lincoln Park Avenue and North Broadway) being the only way to enter or exit the site during school hours. Most students enter the main campus by walking into and through the main parking lot, the main gate on North Broadway between Thomas Street and Lincoln Park Avenue, or a side gate approximately halfway along Alta Street. No crossing guards are deployed at Lincoln HS. Students generally egress using similar routes. The majority of students use the main gate to North Broadway in the afternoon. Several students were observed to cross North Broadway

mid-block, which does not contain a marked crosswalk. Some students walk to after-school programs at surrounding facilities.

Lincoln HS only uses school buses for special education, magnet school transfers, and for a specific residential area. All school buses use the north side of North Broadway for loading and unloading.

3.3 Crash History

Crash data used for the Vision Zero project was extracted within the Lincoln HS school zone. Between 2013 and 2016, a total of 25 crashes occurred. Eighteen of these crashes were near the intersection of North Broadway and Lincoln Park Avenue. Five of these occurred at the intersection of North Broadway and Thomas Street. One collision occurred at the intersection of Thomas Street and Alta Street. One collision occurred mid-block along North Broadway between Thomas Street and Lincoln Park Avenue. Within the school zone, 2 pedestrian collisions and 1 bicycle collision were recorded, all of which resulted in non-severe injuries. No fatalities and 2 severe injuries were recorded. Most collisions were rear end, broadside, or sideswipes.

Based on the available data, no discernible collision patterns were noted. However, the number of total crashes and severe injury crashes (18 and 2 within a 3-year period, respectively) at the intersection of Lincoln Park Avenue and North Broadway, as compared to the volumes entering the intersection, may indicate physical conditions that are not readily apparent to the driver.

4.0 DEFICIENCIES AND OPPORTUNITIES

4.1 Walk Audit Observations

Internal student circulation within the Lincoln HS campus appears to be generally sufficient, with some notable exceptions. An ADA path of travel is marked on the campus leading from the main parking lot and internal parking lots, although a steep grade exists between the two lots that may be difficult to use for people with disabilities. Additionally, students walk through the main parking lot, and are not separated from vehicular traffic. Students connect between campuses via a grade-separated pedestrian bridge over Lincoln Park Avenue. This is the only non-emergency access/egress point for the classroom building on the east campus. While a long sloped ramp and staircase exists from the surface streets to the east campus, these appear to be seldom used.

The following observations were collected during an external walk audit conducted on April 24, 2018, on the streets surrounding the campus. These streets are under the jurisdiction of the City of Los Angeles and revealed the following deficiencies:

- Lincoln Park Avenue
  - Sidewalks are generally uneven, cracked, may be difficult to traverse in a wheelchair
  - Numerous steep and unmaintained driveway curb cuts make it difficult for pedestrians to use the sidewalks
  - Conflicts with bicyclists observed on sidewalks
  - No curb ramps at Altura Street near main faculty/visitor parking lot, may be difficult to traverse in a wheelchair
  - Tactile strips for all curb ramps are absent, may be difficult for vision-impaired students
  - Parked/stopped vehicles observed blocking curb ramps and crosswalks
  - No transit shelters or benches
- Thomas Street
  - Sidewalks are generally uneven, cracked, may be difficult to traverse in a wheelchair, and overgrown brush makes some sections unusable
  - No street lighting observed (may affect morning circulation during winter months)
  - Worn pavement markings
  - Tactile strips for all curb ramps are absent, may be difficult for vision-impaired students
- North Broadway
  - Conflicts with bicyclists observed on sidewalks
  - No transit shelters
  - Signing and pavement markings prohibit the current school bus operation
  - No benches available for school bus loading area
  - Tactile strips for all curb ramps are absent, may be difficult for vision-impaired students

Additional detail from the walk audit is provided in ***Appendix B***. Selected photos for major deficiencies prompted by the walk audit are provided in ***Appendix C***.

4.2 Observed Circulation Deficiencies

- Pick-up/Drop-offs
  - Use of Altura Street (private) blocks entry/exit from parking lot
  - Use of west side of Lincoln Park Avenue interferes with cafeteria deliveries, and also prevents use of a van-accessible ADA parking spot
- Circulation
  - Vehicular circulation was observed to be congested at North Broadway and Lincoln Park intersection, particularly in the AM peak period
  - Pedestrians crossing mid-block between Lincoln Park Avenue and Thomas Street
  - Abutting sidewalks are uneven and contain vegetation overgrowth

4.3 Positive Attributes

- While some vertical grades are steep, campus buildings appear to be built on varying elevations, which may help reduce the need for expensive accessibility circulation upgrades, since improvements such as curb ramps can be constructed in lieu of building retrofits.

4.4 Opportunities

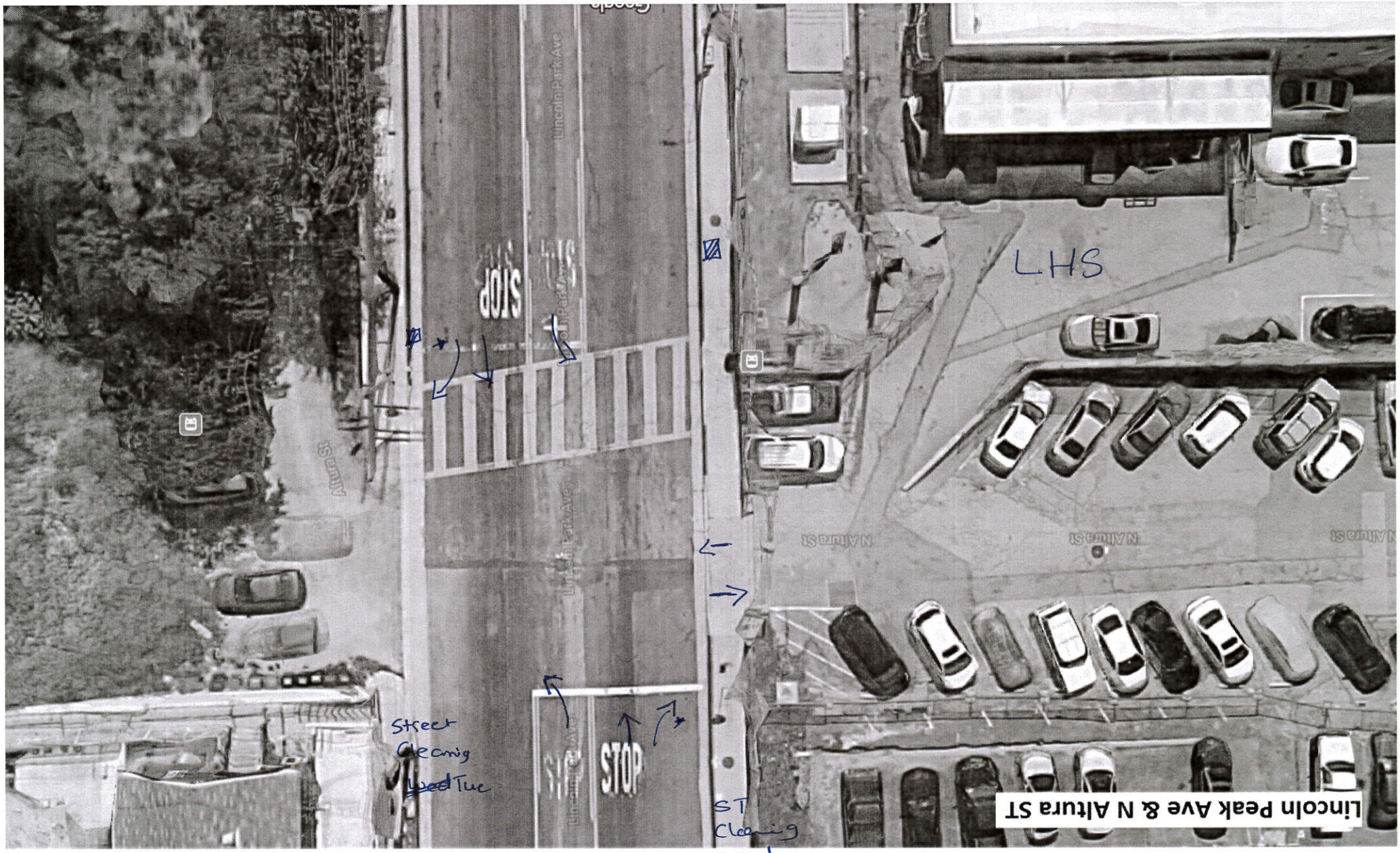
The following opportunities are not required improvements and are not required to limit or mitigate potential impacts. This list is provided solely as observations to LAUSD of the existing conditions that were observed during a site visit for planning purposes. The feasibility or practicality of these opportunities have not been evaluated and LAUSD does not have jurisdiction over any off-site improvements.

- Underutilized parking areas by visitors on east campus during school hours
- While off-site improvements are not within LAUSD's jurisdiction, Thomas Street-Alta Street-Altura Street, provides a natural circulation route that is clockwise and predominantly involves right turns and does not abut residences
- While off-site improvements are not within LAUSD's jurisdiction, the installation of off-site wayfinding signage may help to organize circulation
- While off-site improvements are not within LAUSD's jurisdiction, signage/markings for school buses on North Broadway should be updated to reflect school bus operation

APPENDIX A

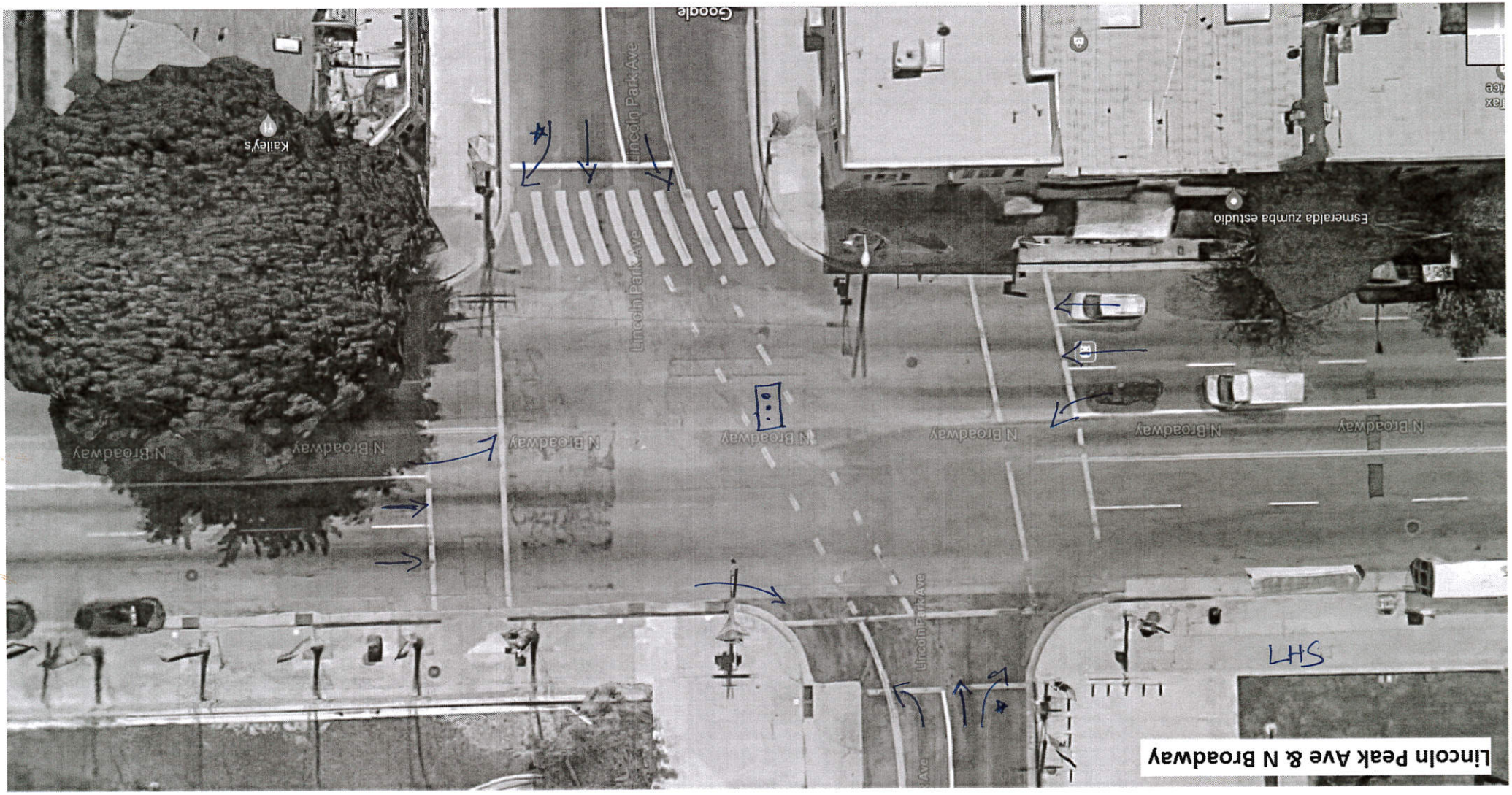
Field Review Sheets

Lincoln Peak Ave & N Altura ST

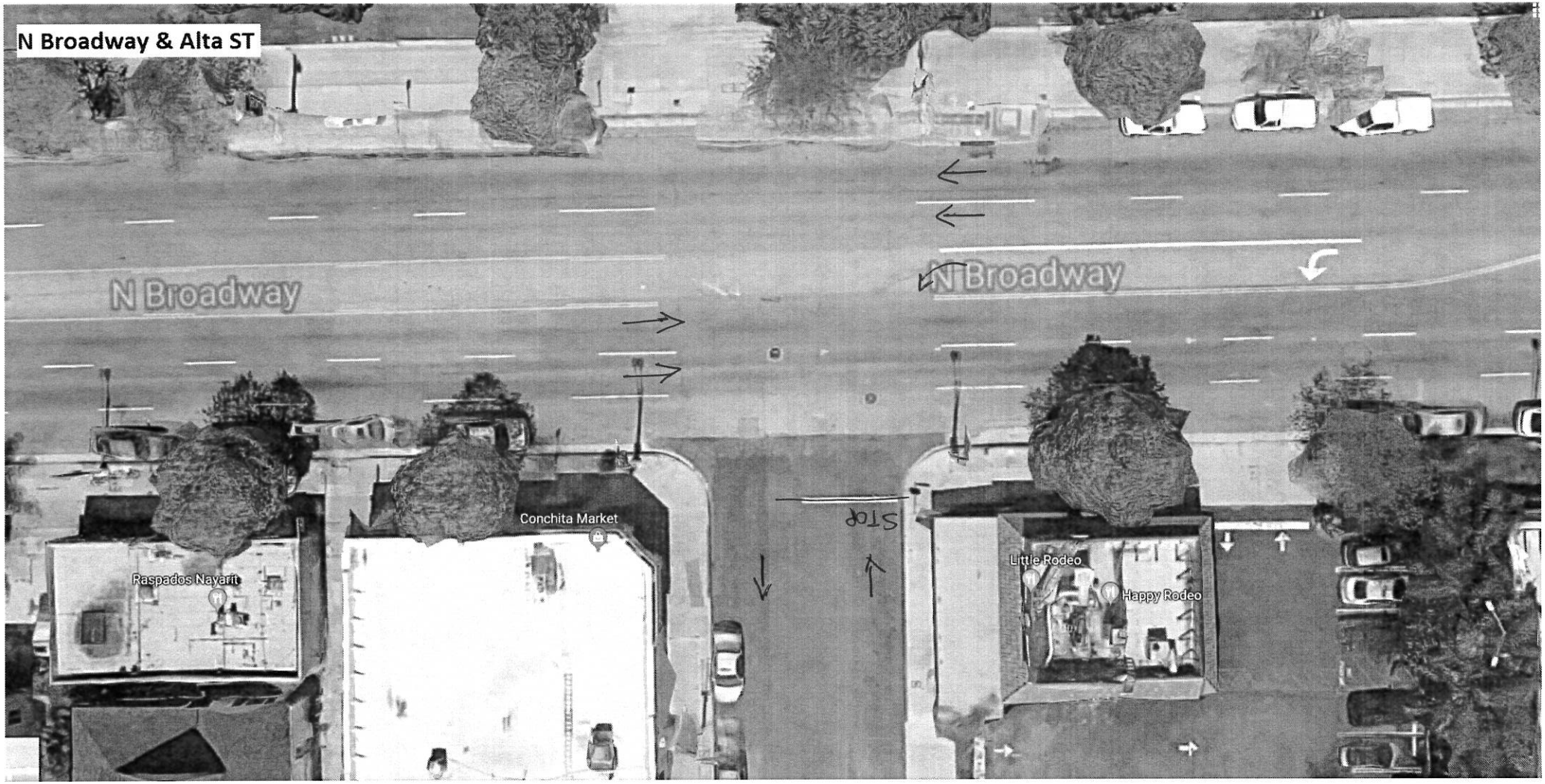


Bus STOP

Lincoln Peak Ave & N Broadway

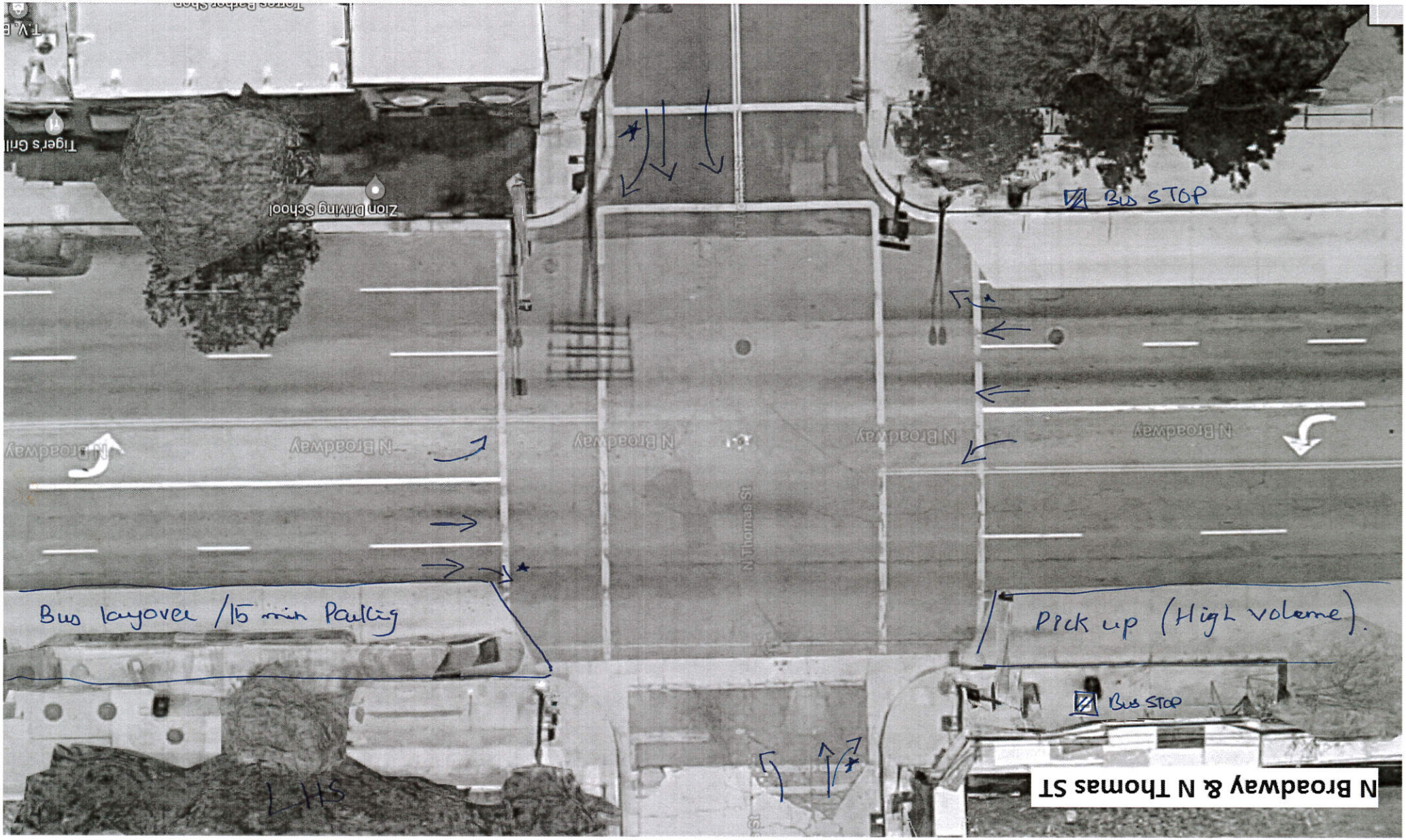


- Split Phasing LPA
- ~~Minor LT are Perm~~ LT to Minor ST Permissible
- LT to Major ST protected
- Semi actuated



N Broadway & Alta ST

N Broadway & N Thomas ST

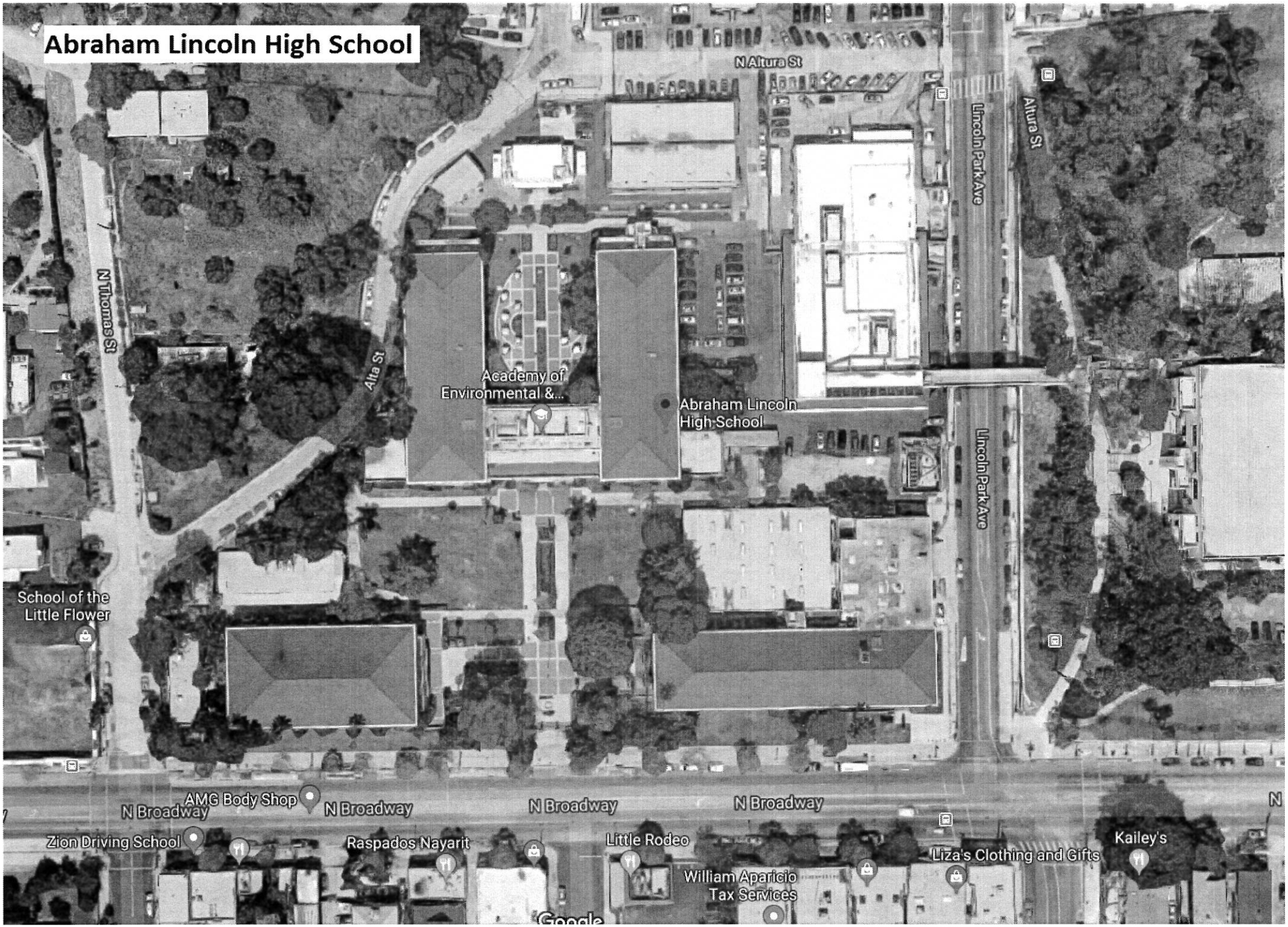


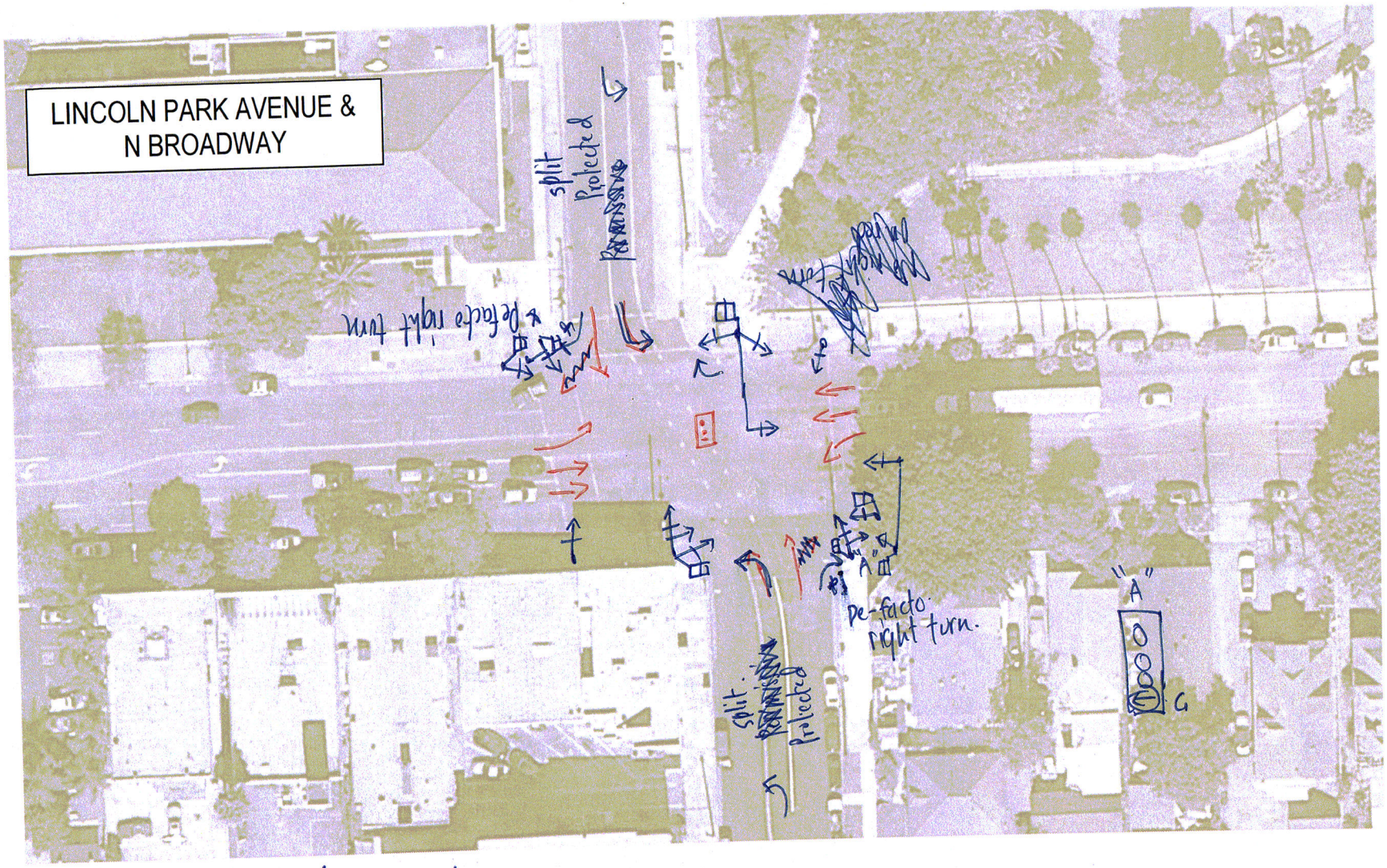
- ALL LT are permissible
- Ped sig lead
- Walk sign along Major ST always on

} · semi actuated

N Thomas ST & Alta ST

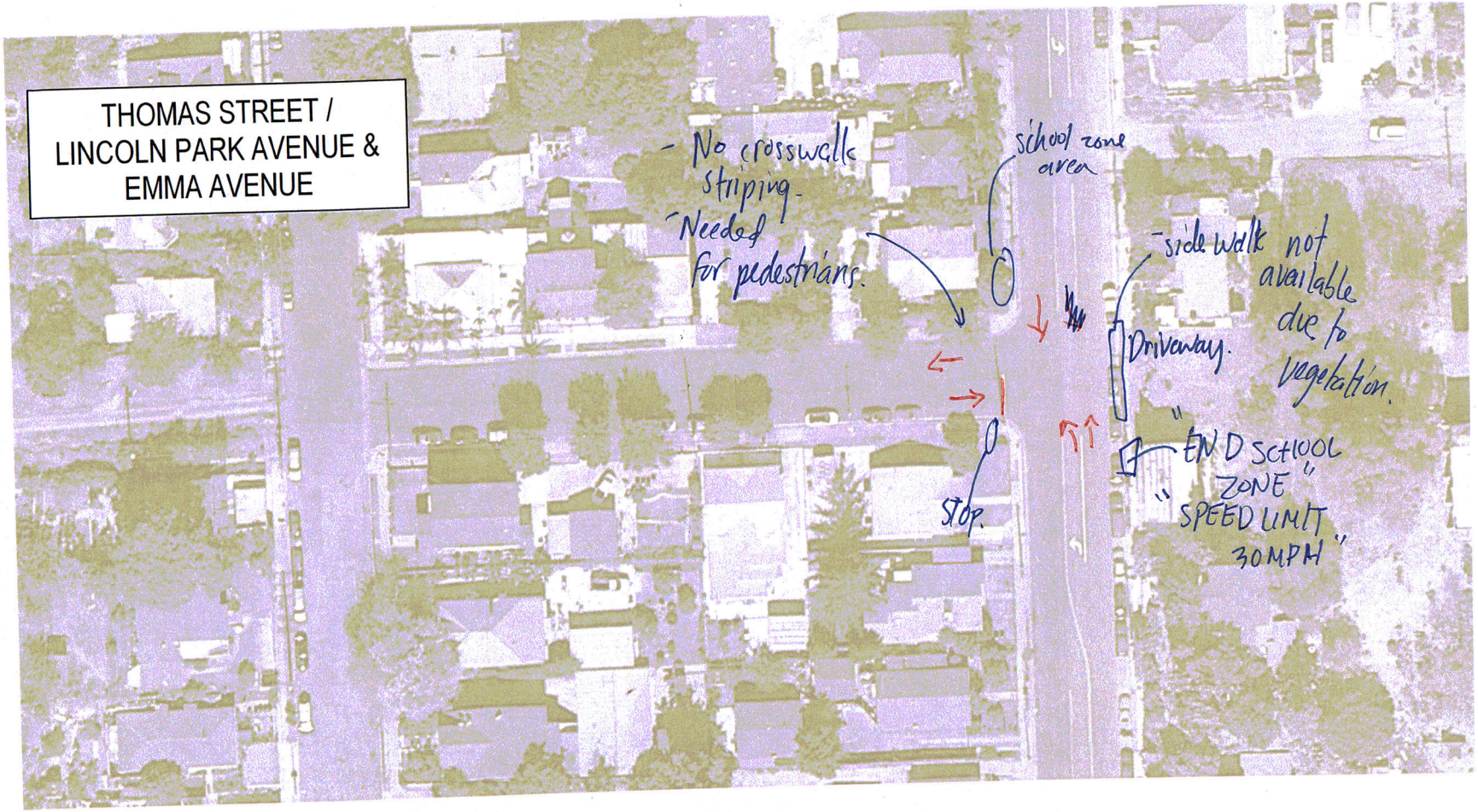
Abraham Lincoln High School





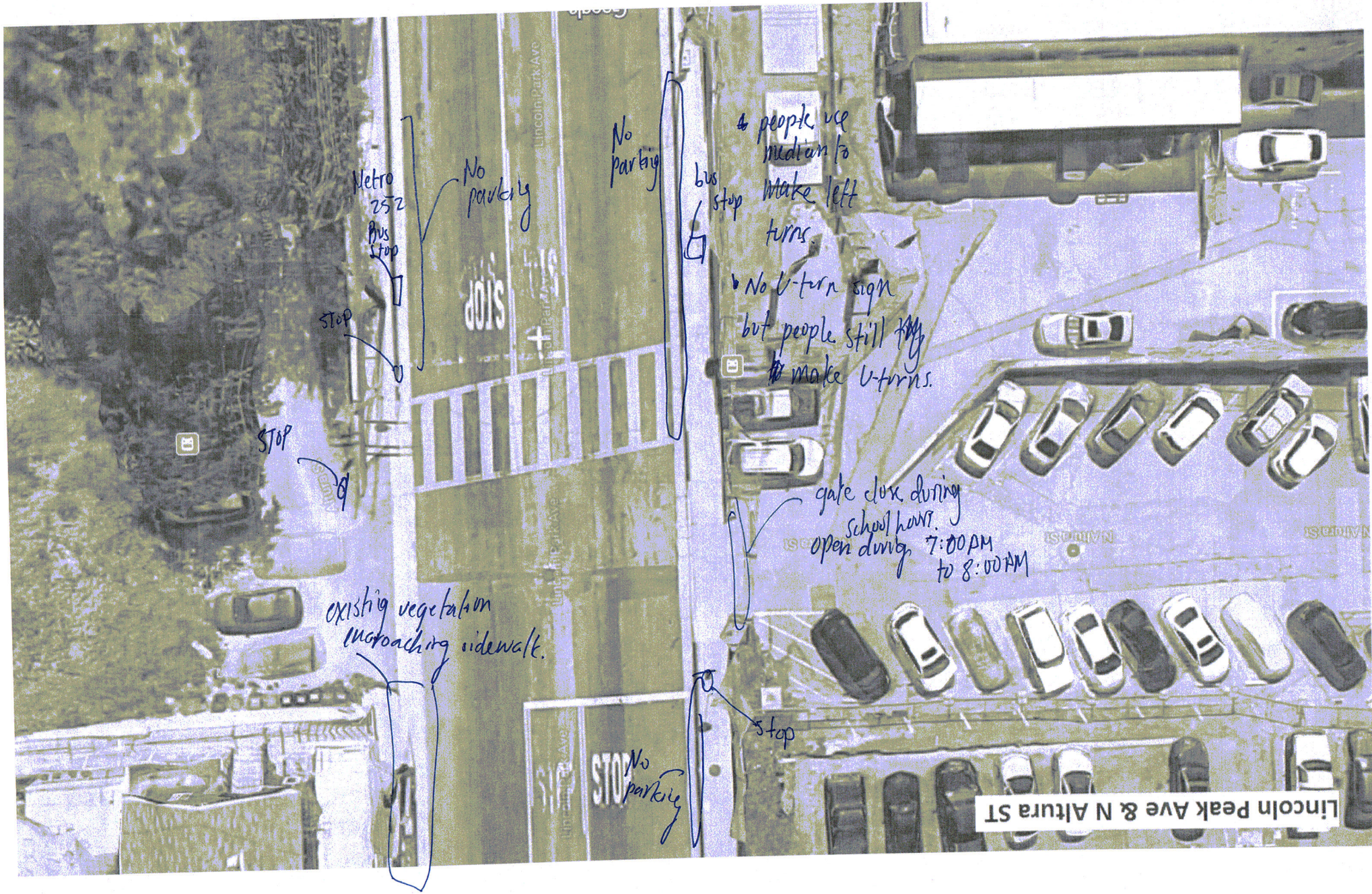
- split phasing for N/S Movement
- Semi-actuated.

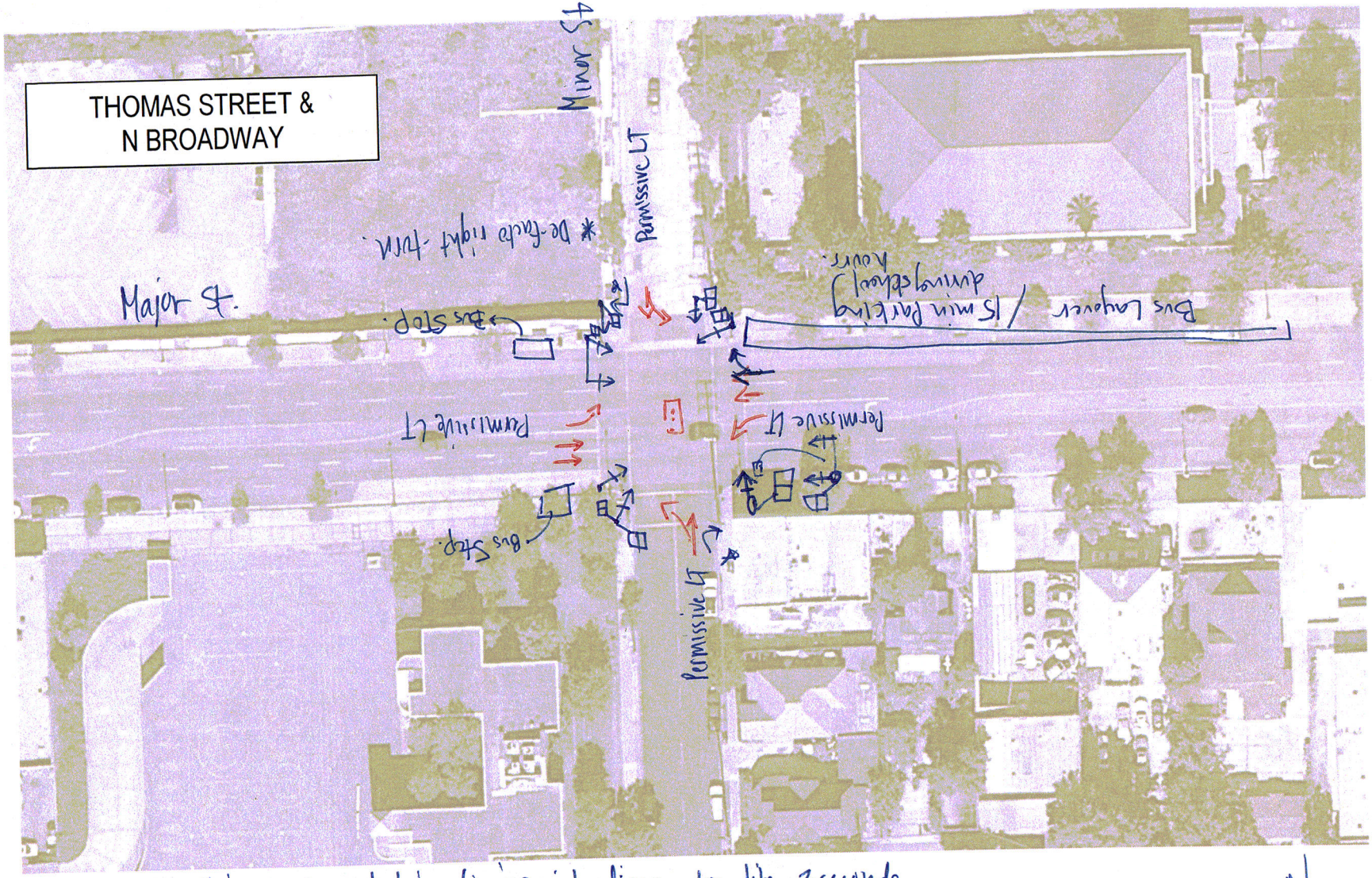
THOMAS STREET &
ALTA STREET
"Road Closed ahead"
STOP
STOP
gate to parking.
close during school hours.
open at 7:30AM - 8AM


THOMAS STREET /
LINCOLN PARK AVENUE &
EMMA AVENUE
- No crosswalk striping - Needed for pedestrians.
school zone area
- side walk not available due to vegetation.
Driveway.
"END SCHOOL ZONE"
"SPEED LIMIT 30MPH"
Stop.

N Broadway & Alta ST
No crossing sign
NO PARKING
No crossing sign
N Broadway
N Broadway
No crossing sign.
*De-facto right turn
Conchita Market
Raspados Nayarit
No crossing sign
STOP
De facto right turn.
Little Rodeo
Happy Rodeo
No cross walk.

Lincoln Peak Ave & N Altura ST



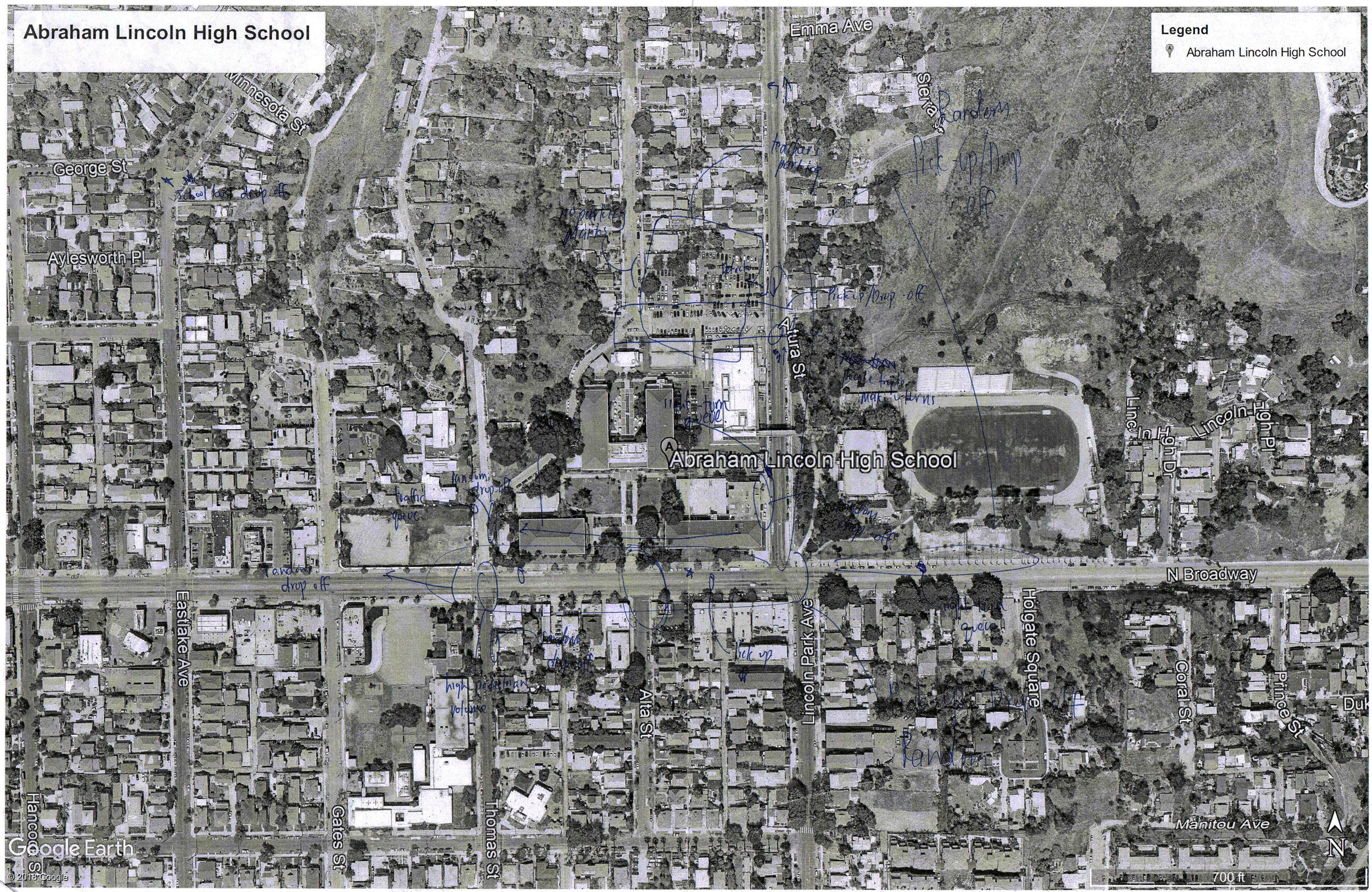


* Pedestrian - The pedestrian timing is leading by like 3 seconds.
Pedestrian walk always on for EB/WB.
* Semi-Actuated control.

N

LINCOLN
HIGH SCHOOL
left-turn queue

Abraham Lincoln High School



- Parking Gate closed on Alta ST at 8:00am
- Security guard at lincolm park ave at 8:00pm
- Right turn volume are high at lincolm park ave and blocking thru volume. during AM Peak
- LT vol. high at broadway / lincoln during AM peak
- People making illegal U turn at lincoln park ave at Atua ST.
- Speed limit on lincoln Park ave is 30mph
- Alta ST b/w Thomas ST and Atua ST closed during school hours.
- During Pick up (PM peak) mostly students are using puble transport (Bus number 45).
-

- N Broadway Random Drop off.
- No crossing guards present.
- School Bus stops in front of school.
- N Broadway busy roadway.
  - Backup queue.
- No bike-lane.
  - Bike volume low to moderate.
- Bus 252 ~~drop~~ stop on Broadway and Lincoln.
- 15 min parking on N Broadway in front of school.
- front gate is open when school drop-off.
  ~ 7:30 AM open. - 8 AM
- Lincoln and Altura st.
  - people try to make u-turns
- People come from Alta St and go through parking out of Lincoln. But ~~not~~ not people from Lincoln/Altura.
- Staff parking
  - 37 parking marks
  + No parking marks.
  + 2 ADA parking.
- No ~~pudo~~ queue
- Parking gate closed on Alta St after 8AM. OPEN Again ~~at~~ 5 mins before dismissal.
- Parking guard on gate on Altura St/Lincoln.

- gate closed for parking on LINCOLN St/Altura St.
- sidewalk on LINCOLN St pass Altura St, eastside, westside
  - sidewalk not ADA compliant.
- No crosswalk on EMMA AVE/LINCOLN ST.
  sign " striping "
- Vehicles use median to make ~~NBT~~ ~~NW~~ NBLT on Altura St/Lincoln
- ~~School Bus~~

PICKUP Tuesday (@ 1:30pm)

- School Bus in front of school.
- Parents park in neighbouring street/area to pick up.
- Parents pick up at Thomas St.
- Alta St to Thomas St open during dismissal.

[
- Ask Security.
  - More traffic during regular schedule but not too much.
- During regular hours, students have after-school programs so the traffic is not the same as morning traffic.
]

[
- U-turn on Lincoln and Altura St is a problem
]

- pick-up.
  - parking on Lincoln St to pick-up kids.
  - students crossing illegally on turns.
  - Parking on Broadway to pick up kids.
  - High pedestrian volume on Lincoln/Altura St.
- ~~And at the gat~~
  The gates for parking are both used for vehicles and students.
  - Control needs to be implemented.
  - crossing guard needed
- high volume of vehicle parking and picking up students on Lincoln St.
  - high volume of pick-up on Broadway in front of school.
- students; PARENTS still walk when "STOP WALKING" is on.

APPENDIX B

Walk Audit Sheets

LIN Consulting, Inc.
Traffic, Civil, Electrical Consulting Engineers

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Tustin, CA 92780-6293
Tel:(714) 258-8411 Fax:(714) 258-8511
E-mail: inbox@LinConsulting.com

EXISTING CONDITIONS FIELD ASSESSMENT

PROCEDURE:

Each school location will include a project limit of all streets, intersections and midblock crossings that immediately surround the school grounds. Streets and intersections will be identified prior to the site visit.

✓ + Thomas St between Broadway and Alta St.

OBSERVER:

DATE: 4/24/18

LOCATION / WEATHER: LINCOLN HIGH SCHOOL / OVERCAST

TIME: 7:30AM - 3:30PM

STREETS:

✓ N Broadway (PARKING), between LINCOLN & Thomas St.

✓ LINCOLN (30MPH), between BROADWAY & EMMA AVE

✓ ALTURA (5MPH), between LINCOLN & ALTA

✓ ALTA ST, between ALTURA & THOMAS.

INTERSECTIONS:

✓ N Broadway & LINCOLN

✓ N Broadway & Thomas St.

✓ LINCOLN & ALTURA ST

✓ ALTA ST & THOMAS ST

After the project limit has been determined and aerial has been printed, the following list of items will be recorded or identified as missing:

✓ N Broadway / Alta St

LINCOLN / EMMA ST AVE

1. Existing Lane Configurations
   a. Intersections – within reasonable vicinity of school
   b. Street Segments – within reasonable vicinity of school
2. Existing Traffic Signs
3. Locations of Existing Traffic Signals and Street Lighting
4. Locations of Existing Transit Areas
5. Existing Pedestrian and Bicycle Facilities
   a. Bike Lanes
   b. Sidewalks
   c. Crosswalks
   d. Pedestrian Ramps
6. Parking configurations as shown on aerials for:
   a. Administration
   b. Teachers
   c. Students
   d. Visitors
   e. Deliveries
   f. Buses
   g. On-street
7. Pick-up and Drop-off Operation Issues During Peak Periods
8. General Internal and External Circulation Issues

→ Altura
- according to Google Maps, Altura St is a St but is not. It is part of a gated parking area.
- not open to public.

A Road Safety Audit (see attached template) will be conducted as part of each location's assessment.

NEEDS:

- Safety Vest
- Clipboard, pad and pen/pencil
- Geo-referenced digital camera
- Measuring wheel
- Shoes with ankle protection

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STREETS

Topic		Question	Result (Y, N, Other or N/A) ①	②
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	N/A	N/A
	3.	Are shoulders/sidewalks provided on both sides? ~~No shoulders~~	Y	Y
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	N	Y
	7.	Are ramps provided as an alternative to stairs?	N/A	N/A
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	N/A	N/A
	2.	Is the path clear from both temporary and permanent obstructions? There is encroaching vegetation to sidewalk	No.	No
	3.	Is the walking surface too steep? Some driveways are too steep for people on wheelchairs.	YES	YES
	4.	Is the walking surface adequate and well-maintained? A lot of cracks.	No.	No → un-eve pavemen
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	YES	YES
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways? Pedestrian crossing striping is adequate.	No	No
Lighting	1.	Is the sidewalk adequately lit?	YES	No →
	2.	Does the street lighting improve pedestrian visibility at night? Not sure. Field work during daytime.	other	No → No street lights, but probab not at night
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	YES	YES
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	No	No
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	YES	No
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	YES	No
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	YES	YES.

***For any Result with "N" or "Other", please add notes below:**

① LINCOLN between N Broadway / Emma Ave.
- Street ~~parking~~ cleaning / No Parking on 12:30-2:30PM
Wednesday - Westside.
Tuesday - Eastside.

② Thomas St.

STREETS

Topic		Question	A	B
			Result (Y, N, Other or N/A)	
Presence, Design and Placement	1.	Are sidewalks provided along the street?	Y	Y
	2.	If no sidewalk is present, is there a walkable shoulder (e.g. wide enough to accommodate cyclists/pedestrians) on the road or other pathway/trail nearby?	NA	NA
	3.	Are shoulders/sidewalks provided on both sides?	Y	N
	4.	Is the sidewalk width adequate for pedestrian volumes?	Y	Y
	5.	Is there adequate separation distance between vehicular traffic and pedestrians?	Y	Y
	6.	Are sidewalk/street boundaries discernable to people with visual impairments?	Y	Y
	7.	Are ramps provided as an alternative to stairs?	NA	NA
Quality, Conditions, and Obstructions	1.	Will snow storage disrupt pedestrian access or visibility?	NA	NA
	2.	Is the path clear from both temporary and permanent obstructions?	Y	Y
	3.	Is the walking surface too steep?	N	N
	4.	Is the walking surface adequate and well-maintained?	Y	Y
Continuity and Connectivity	1.	Are sidewalks/walkable shoulders continuous and on both sides of the street?	Y	Y (No shoulder)
	2.	Are measures needed to direct pedestrians to safe crossing points and pedestrian access ways?	N	N
Lighting	1.	Is the sidewalk adequately lit?	Y	N
	2.	Does the street lighting improve pedestrian visibility at night? site visit in morning	NA	NA
Visibility	1.	Is the visibility of pedestrians walking along the sidewalk/shoulder adequate?	Y	Y
Driveways	1.	Are the conditions at driveways intersecting sidewalks endangering pedestrians?	N	N
	2.	Does the number of driveways make the route undesirable for pedestrian travel?	N	N
Traffic Characteristics	1.	Are there any conflicts between bicycles and pedestrians on sidewalks?	Y	Y
Signs and Pavement Markings	1.	Are pedestrian travel zones clearly delineated from other modes of traffic through the use of striping, colored and/or textured pavement, signing, and other methods?	Y	Y

***For any Result with "N" or "Other", please add notes below:**

A) Broadway b/w Lincoln and Thomas ST

B) Alta ST b/w Thomas ST and Altura ST

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② LINCOLN / EMMA AVE

INTERSECTIONS

Topic ③		Question	Result (Y, N, Other or N/A)* ①	②
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	No	No
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N/A	N/A
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	No	No
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	No	YES — cars do not stopon stop bar. No raised medians
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians? No medians	No	No
	6.	Are supervised crossings adequately staffed by qualified crossing guards? No crossing guards.	No	No
	7.	Are marked crosswalks wide enough?	YES	YES
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	N/A	N/A
	9.	Are crosswalks sited along pedestrian desire lines?	YES	YES
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	YES	YES
Quality, Conditions, and Obstructions		*Use questions for Streets for potential issues on obstructions*		
	1.	Is the crossing pavement adequate and well maintained? but not on thomas st northside.	YES	No — crossing on thomas st northside is not maintained and ramp Not good for ADA.
	2.	Is the crossing pavement flush with the roadway surface?	YES	YES
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	YES	YES
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways? YES	YES	YES
Lighting	1.	Is the pedestrian crossing adequately lit? YES	YES	YES
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	YES	YES
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	YES	YES
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	No	No
Access Management	1.	Are driveways placed close to crossings?	YES	No
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	No	YES — Not stopat stop bar
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road? YES because stop control	No	YES
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	No	YES because signals cars do not stop at stop bar.
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	YES	No
	2.	Are crossing points for pedestrians properly signed and/or marked? Marked yes but not signed.	No	YES
Signals	1.	Are pedestrian signal heads provided and adequate? Stop control N/A	No	YES
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	NA	YES
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	NA	No
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	NA	YES
	5.	Are ADA accessible push buttons provided and properly located?	NA	NO

***For any Result with "N" or "Other", please add notes below:**

① Altura St / Lincoln
- pedestrian ramp not ADA compliant.

② North Broadway / Thomas St.
- ramp not ADA compliant.
- Some ramps are cracked and steep. No waiting area for wheel chairs.
- Existing construction on NW corner obst sidewalk.
- PPB on SW corner [illegible] on lamp pole.
- Waiting area for [illegible] PPB

INTERSECTIONS

Topic		Question	A	B	C
			Result (Y, N, Other or N/A)*		
Presence, Design and Placement	1.	Do wide curb radii lengthen pedestrian crossing distances and encourage high-speed right turns?	N	Y	Y
	2.	Do channelized right turn lanes minimize conflicts with pedestrians?	N	NA	NA
	3.	Does a skewed intersection direct drivers' focus away from crossing pedestrians?	Y	N	NA
	4.	Are pedestrian crossings located in areas where sight distance may be a problem?	N	Other No cross walk	N
	5.	Do raised medians provide a safe waiting area (refuge) for pedestrians?	N	N	N
	6.	Are supervised crossings adequately staffed by qualified crossing guards?	NA	NA	N
	7.	Are marked crosswalks wide enough?	Y	NA	NA
	8.	Do at-grade railroad crossings accommodate pedestrians safely?	NA	NA	NA
	9.	Are crosswalks sited along pedestrian desire lines?	Y	N	N (No traffic)
	10.	Are corners and curb ramps appropriately planned and designed at each approach to the crossing?	Y	N	N
Quality, Conditions, and Obstructions		*Use questions for Streets for potential issues on obstructions*			
	1.	Is the crossing pavement adequate and well maintained?	Y	N	Y
	2.	Is the crossing pavement flush with the roadway surface?	Y	NA	NA
Continuity and Connectivity	1.	Does pedestrian network connectivity continue through crossings by means of adequate, waiting areas at corners, curb ramps and marked crosswalks?	Y	N	N
	2.	Are pedestrians clearly directed to crossing points and pedestrian access ways?	Y	N	N
Lighting	1.	Is the pedestrian crossing adequately lit?	Y	N	Y
Visibility	1.	Can pedestrians see approaching vehicles at all legs of the intersection/crossing and vice versa?	Y	N	Y
	2.	Is the distance from the stop (or yield) line to a crosswalk sufficient for drivers to see pedestrians?	Y	N	Y
	3.	Do other conditions exist where stopped vehicles may obstruct visibility of pedestrians?	N	N	N
Access Management	1.	Are driveways placed close to crossings?	NA	Y	N
Traffic Characteristics	1.	Do turning vehicles pose a hazard to pedestrians?	Y	Y	Y
	2.	Are there sufficient gaps in the traffic to allow pedestrians to cross the road?	Y	Y	Y
	3.	Do traffic operations (especially during peak periods) create a safety concern for pedestrians?	N	Y	N
Signs and Pavement Markings	1.	Is paint on stop bars and crosswalks worn, or are signs worn, missing, or damaged?	N	NA	NA
	2.	Are crossing points for pedestrians properly signed and/or marked?	Y	N	NA
Signals	1.	Are pedestrian signal heads provided and adequate?	Y	NA	NA
	2.	Are traffic and pedestrian signals timed so that wait times and crossing times are reasonable?	Y	NA	NA
	3.	Is there a problem because of an inconsistency in pedestrian actuation (or detection) types?	N	NA	NA
	4.	Are all pedestrian signals and push buttons functioning correctly and safely?	Y	NA	NA
	5.	Are ADA accessible push buttons provided and properly located?	Y	NA	NA

***For any Result with "N" or "Other", please add notes below:**

A) Lincoln / Broadway

B) Thomas / Alta ST

C Broadway / Alta ST

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PARKING AREAS / ADJACENT DEVELOPMENTS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	No
	2.	Are the sidewalks/paths designed appropriately?	No
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	YES.
Quality, Conditions, and Obstructions		*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*	
		Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments	
	1.	Do parked vehicles obstruct pedestrian paths?	No → No pedes trian paths
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	
Lighting		*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*	
Visibility	1.	Are visibility and sight distance adequate?	YES.
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	YES
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	YES
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	YES
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	No.
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	YES.

***For any Result with "N" or "Other", please add notes below:**

- 15 min Parking during school hours on N Broadway St in front of school gate.
- One ADA Parking on Delivery only (LINCOLN) side of school.

pedestrian walk on parking lots. students w/ headphones don't kn that cars are behind them.

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PARKING AREAS/ADJACENT DEVELOPMENTS

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Do sidewalks/paths connect the street and adjacent land uses?	N
	2.	Are the sidewalks/paths designed appropriately?	N
	3.	Are buildings entrances located and designed to be obvious and easily accessible to pedestrians?	Y
Quality, Conditions, and Obstructions	*Use questions for Streets for potential issues on obstructions and protruding objects that apply to sidewalks and walkways at parking areas/adjacent developments*		
	Use questions for Streets for potential issues on surface conditions that apply to sidewalks and walkways at parking areas/adjacent developments		
	1.	Do parked vehicles obstruct pedestrian paths?	N
Continuity and Connectivity	1.	Are pedestrian facilities continuous? Do they provide adequate connections for pedestrian traffic?	N
	2.	Are transitions of pedestrian facilities between developments/projects adequate?	NA
Lighting	*Use questions for Streets and Street Crossings for potential issues on lighting that apply to sidewalks and walkways at parking areas/adjacent developments*		
Visibility	1.	Are visibility and sight distance adequate?	Y
Access Management	1.	Are travel paths for pedestrians and other vehicle modes clearly delineated at access openings?	Y
	2.	Do drivers look for and yield to pedestrian when turning into and out of driveways?	Y
Traffic Characteristics	1.	Does pedestrian or driver behavior increase the risk of a pedestrian collision?	Y (Ped walk middle of driveway)
	2.	Are buses, cars, bicycles, and pedestrians separated on the site and provided with their own designated areas for travel?	N
Signs and Pavement Markings	1.	Are travel paths and crossing points for pedestrians properly signed and/or marked?	Y

***For any Result with "N" or "Other", please add notes below:**

A) Alma ST

LIN Consulting, Inc.
Traffic, Civil, Electrical Consulting Engineers

1432 Edinger Ave, Suite 230
Tustin, CA 92780-6293
Tel:(714) 258-8411 Fax:(714) 258-8511
E-mail: inbox@LinConsulting.com

TRANSIT AREAS ON LINCOLN

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly? – No school bus.	YES.
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	YES
	3.	Is sight distance to bus stops adequate?	YES
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	NO → No Shelters.
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	NO → No seating area
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	~~NO~~ → N/A
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	NO → ~~P~~ sidewalk width is not wide enough
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	YES
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	YES
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	YES
	2.	Are transit stops part of a continuous network of pedestrian facilities?	YES
	3.	Are transit stops maintained during periods of inclement weather?	Not sure
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	YES
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	YES
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	NO
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops? No school bus	YES

***For any Result with "N" or "Other", please add notes below:**

- LINCOLN ST.

TRANSIT AREAS

A

Topic		Question	Result (Y, N, Other or N/A)*
Presence, Design and Placement	1.	Are bus stops sited properly?	Y
	2.	Are safe pedestrian crossings convenient for transit and school bus users?	Y
	3.	Is sight distance to bus stops adequate?	Y
	4.	Are shelters appropriately designed and placed for pedestrian safety and convenience?	Y
Quality, Conditions, and Obstructions	1.	Is the seating area at a safe and comfortable distance from vehicle and bicycle lanes?	NA
	2.	Do seats (or persons sitting on them) obstruct the sidewalk or reduce its usable width?	NA (no benches)
	3.	Is a sufficient landing area provided to accommodate waiting passengers, boarding/alighting passengers, and through/bypassing pedestrian traffic at peak times?	Y
	4.	Is the landing area paved and free of problems such as uneven surfaces, standing water, or steep slopes?	Y
	5.	Is the sidewalk free of temporary/permanent obstructions that constrict its width or block access to the bus stop?	Y
Continuity and Connectivity	1.	Is the nearest crossing opportunity free of potential hazards for pedestrians?	Y
	2.	Are transit stops part of a continuous network of pedestrian facilities?	Y
	3.	Are transit stops maintained during periods of inclement weather?	NA
Lighting	1.	Are access ways to transit facilities well-lit to accommodate early-morning, late-afternoon, and evening pedestrian traffic?	Y
Visibility	1.	Are open sight lines maintained between approaching buses and passenger waiting and loading areas?	Y
Traffic Characteristics	1.	Do pedestrians entering and leaving buses conflict with cars, bicycles, or other pedestrians?	N
Signs and Pavement Markings	1.	Are appropriate signs and pavement markings provided for school bus and transit stops?	N / Y

***For any Result with "N" or "Other", please add notes below:**

Not for school bus

A => Broadway

APPENDIX C

Selected Photos

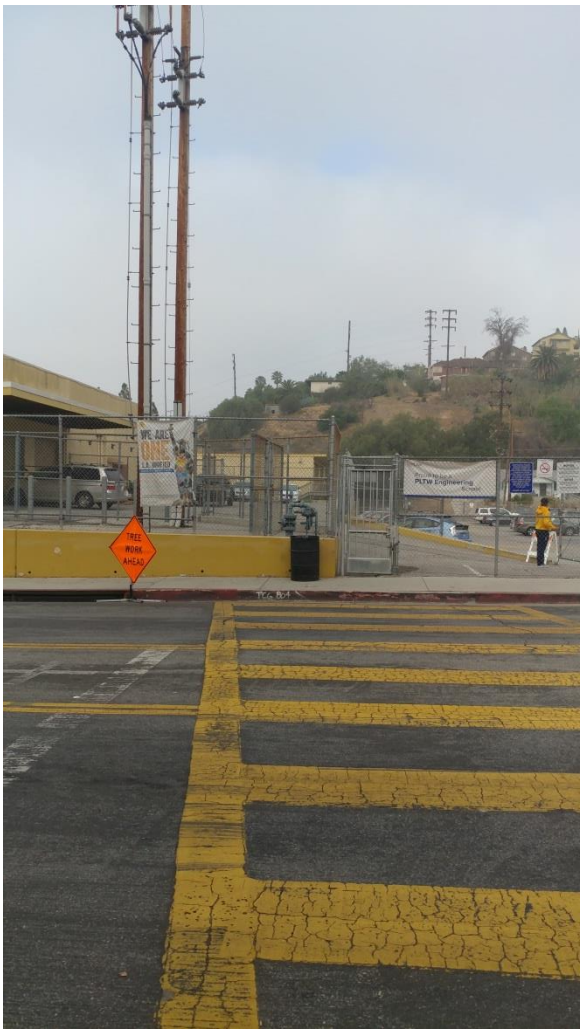
ADA space on Lincoln Park East is blocked by pick-up/drop-off traffic

Ramp down to internal parking lot likely too steep for ADA access from main lot; recent ADA path of travel installed between buildings

Pick-up/Drop-off traffic uses Altura Street, which runs through the main parking lot

North Broadway looking west; students cross mid-block in this location

Lincoln Park Avenue looking north (left); uneven and cracked sidewalks may make use impractical for disabled students or faculty



Lincoln Park Avenue looking west; no curb ramps, may be difficult to traverse in a wheelchair for disabled students or faculty

The Lincoln HS campus makes use of the elevation differences in a way that does not usually require walking steep grades; the pedestrian bridge between campuses is internal to Lincoln HS

Main pedestrian gate at Lincoln HS, which experiences heavy use at afternoon bell

Alta Street is closed during school days, but used for pick-up/drop offs and parallel parking

School buses use the north curb of North Broadway, in conflict with parking restrictions; left turn queue for eastbound North Broadway to northbound Lincoln Park Avenue movement

Bollards at the intersection of North Broadway & Lincoln Park Avenue

APPENDIX D

Additional Information

24 Hours Traffic Volume

City of Los Angeles
Department of Transportation

Counter	HUGO/LAVEDIA
Date	06/01/11
Start Time	12 AM

Location	**LINCOLN PARK AV N/O N BROADWAY**	**Day of Week**	WEDNESDAY	**Prepared**	07/01/11
Direction	N/S STREET	**DOT District**	CENTRAL	**By**	KL
Serial Number	RD96978 D	**Weather**	CLEAR		

	NORTHBOUND or WESTBOUND					SOUTHBOUND or EASTBOUND					
Time	1ST QTR	2ND QTR	3RD QTR	4TH QTR	HOUR TOTAL	1ST QTR	2ND QTR	3RD QTR	4TH QTR	HOUR TOTAL	**TOTAL**
12 AM	14	5	7	6	32	3	1	3	3	10	42
1 AM	4	3	6	7	20	1	0	2	4	7	27
2 AM	3	3	3	5	14	2	0	0	6	8	22
3 AM	2	2	2	3	9	1	7	2	6	16	25
4 AM	2	2	0	5	9	9	6	7	8	30	39
5 AM	6	4	3	12	25	14	15	18	28	75	100
6 AM	11	9	22	24	66	28	30	39	52	149	215
7 AM	30	47	42	63	182	45	71	81	82	279	461
8 AM	62	36	28	22	148	82	58	47	41	228	376
9 AM	22	26	29	29	106	43	36	44	47	170	276
10 AM	29	28	20	30	107	47	37	30	43	157	264
11 AM	29	26	39	40	134	43	30	32	36	141	275
12 NN	28	46	36	36	146	39	48	49	48	184	330
1 PM	35	32	18	43	128	41	42	45	46	174	302
2 PM	27	36	50	41	154	46	46	50	52	194	348
3 PM	49	59	44	48	200	48	82	48	44	222	422
4 PM	43	34	53	53	183	45	41	39	43	168	351
5 PM	61	48	63	68	240	37	41	36	32	146	386
6 PM	69	55	50	51	225	43	38	36	39	156	381
7 PM	54	41	49	43	187	22	45	36	36	139	326
8 PM	29	46	33	40	148	39	40	43	32	154	302
9 PM	34	29	30	23	116	25	19	18	19	81	197
10 PM	22	29	18	23	92	12	9	15	4	40	132
11 PM	11	12	10	9	42	5	7	6	5	23	65

FIRST 12-HOURS PEAK QUARTER COUNT	**63**	7 AM	4TH	**82**	7 AM	4TH
LAST 12-HOURS PEAK QUARTER COUNT	**69**	6 PM	1ST	**82**	3 PM	2ND
24 HOUR VEHICLES TOTAL		2,713			2,951	**5,664**
TOTAL VEHICLES STANDARD DEVIATION (STD)	[+,-]	70.54		[+,-]	78.06	140.63

PEAK HOURS VOLUME

	NORTH or WEST BOUND		SOUTH or EAST BOUND		BOTH DIRECTIONS	
	PEAK HOUR	VEHICLE VOLUME	PEAK HOUR	VEHICLE VOLUME	PEAK HOUR	VEHICLE VOLUME
First 12H Peak	7 AM	182	7 AM	279	7 AM	**461**
Last 12H Peak	5 PM	240	3 PM	222	3 PM	**422**
First 12H Peak STD	[+,-]	59.12	[+,-]	90.39	[+,-]	147.62
Last 12H Peak STD	[+,-]	54.07	[+,-]	58.58	[+,-]	103.73

LINNBR110601

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South LINCOLN PARK AVENUE

East/West N. BROADWAY

Day: THURSDAY Date: FEBUARAY 14, 2013 Weather: CLEAR

Hours: 7-10AM 3-6PM

School Day: YES District: 0 I/S CODE 0

	N/B	S/B	E/B	W/B
DUAL-WHEELED	0	0	0	0
BIKES	11	23	16	4
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	72	7.45	180	7.45	246	8.00	393	7.45
PM PK 15 MIN	51	5.45	59	3.15	276	5.30	158	5.30
AM PK HOUR	226	7.15	372	7.00	857	7.30	1383	7.15
PM PK HOUR	179	5.00	198	3.00	1079	5.00	585	5.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	134	64	9	207
8-9	95	34	27	156
9-10	65	20	14	99
3-4	88	42	37	167
4-5	79	41	24	144
5-6	84	59	36	179
TOTAL	545	260	147	952

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	34	87	251	372
8-9	10	25	127	162
9-10	8	25	152	185
3-4	22	36	140	198
4-5	15	35	94	144
5-6	18	27	102	147
TOTAL	107	235	866	1208

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
579	29	0	49	0
318	65	0	11	0
284	18	0	24	0
365	82	0	109	0
288	24	0	34	0
326	35	0	64	0
2160	253	0	291	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	89	390	137	616
8-9	99	539	112	750
9-10	79	355	52	486
3-4	114	615	98	827
4-5	96	787	99	982
5-6	91	891	97	1079
TOTAL	568	3577	595	4740

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	26	1186	39	1251
8-9	10	1115	2	1127
9-10	6	624	6	636
3-4	15	459	13	487
4-5	11	391	15	417
5-6	17	548	20	585
TOTAL	85	4323	95	4503

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
1867	332	0	9	0
1877	100	0	10	0
1122	26	0	3	0
1314	184	0	48	0
1399	60	0	11	0
1664	30	0	8	0
9243	732	0	89	0

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South THOMAS STREET

East/West N. BROADWAY

Day: THURSDAY Date: FEBUARAY 14, 2013 Weather: CLEAR

Hours: 7-10AM 3-6PM

School Day: YES District: 0 I/S CODE 0

	N/B	S/B	E/B	W/B
DUAL-WHEELED	0	0	0	0
BIKES	19	45	7	9
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	36	7.30	49	7.30	310	7.45	465	7.30
PM PK 15 MIN	23	5.15	30	3.15	314	5.30	193	3.30
AM PK HOUR	100	7.30	138	7.15	1078	7.30	1722	7.30
PM PK HOUR	69	4.45	76	3.15	1202	5.00	706	5.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	69	13	7	89
8-9	37	1	12	50
9-10	25	0	16	41
3-4	24	1	16	41
4-5	29	5	17	51
5-6	33	6	27	66
TOTAL	217	26	95	338

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	7	17	113	137
8-9	9	5	47	61
9-10	3	0	21	24
3-4	9	5	53	67
4-5	12	8	42	62
5-6	9	8	41	58
TOTAL	49	43	317	409

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
226	222	0	281	0
111	86	0	95	0
65	51	0	63	0
108	170	0	290	0
113	61	0	92	0
124	79	0	96	0
747	669	0	917	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	84	624	119	827
8-9	11	770	55	836
9-10	2	475	33	510
3-4	38	834	53	925
4-5	31	982	49	1062
5-6	41	1112	49	1202
TOTAL	207	4797	358	5362

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	17	1576	5	1598
8-9	7	1441	3	1451
9-10	10	854	0	864
3-4	15	676	3	694
4-5	10	577	1	588
5-6	9	694	3	706
TOTAL	68	5818	15	5901

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
2425	116	0	222	0
2287	37	0	69	0
1374	31	0	31	0
1619	142	0	91	0
1650	55	0	63	0
1908	29	0	30	0
11263	410	0	506	0

APPENDIX C

Arborist Report

A

APPENDIX: *Arborist Report*

1. Arborist Inventory Data

2. Arborist Inventory Memo

3. Arborist Inventory Plans

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
1	C-2	*Schefflera sp.*	schefflera	12.5	25	10r	good	fair
2	C-2	*Cupaniopsis anacardioides*	carrotwood	16.5	32	12r	good	fair
3	C-2	*Schefflera sp.*	schefflera	6,6,4	22	10r	good	fair
4	C-2	*Trachycarpus fortunei*	windmill palm	8	25	6r	good	good
5	C-2	*Ficus lyrata*	fiddle leaf fig	13,13	35	15r	good	fair
6	C-2	*Washingtonia filifera*	California fan palm	31	38	10r	good	fair
7	C-2	*Cupaniopsis anacardioides*	carrotwood	14	25	12r	good	fair
8	C-2	*Melaleuca quinquenervia*	cajeput tree	19,15	35	10r	good	fair
9	C-2	*Jacaranda mimosifolia*	jacaranda	16.5	40	18r	good	fair
10	C-2	*Cupaniopsis anacardioides*	carrotwood	7.5,6.5	25	10r	good	fair
11	C-2	*Washingtonia robusta*	Mexican fan palm	22	80	10r	good	good
12	C-2	*Cupaniopsis anacardioides*	carrotwood	8	25	10r	fair	fair
13	C-2	*Pinus canariensis*	Canary Island pine	~16	45	8r	fair	fair
14	C-2	*Pinus roxburghii*	chir pine	~12	40	8r	fair	fair
15	C-2	*Afrocarpus gracilior*	fern pine	~15	40	10r	good	fair
16	C-2	*Jacaranda mimosifolia*	jacaranda	13	38	18r	good	fair
17	C-2	*Pinus roxburghii*	chir pine	17	50	8r	fair	fair
18	C-2	*Quercus suber*	cork oak	14,11	32	15r	good	fair
19	C-2	*Quercus suber*	cork oak	11,10	32	9r	good	fair
20	C-2	*Quercus suber*	cork oak	8	30	12NW	good	fair
21	C-2	*Quercus suber*	cork oak	10	28	15NW	good	fair
22	C-2	*Ulmus parvifolia*	Chinese elm	11	40	15r	poor	fair
23	C-2	*Ulmus parvifolia*	Chinese elm	9 @ 5'	40	12r	fair	fair
24	C-2	*Syagrus romanzoffianum*	queen palm	12	35	10r	good	good
25	C-2	*Ulmus parvifolia*	Chinese elm	19	40	25r	fair	good
26	C-2	*Afrocarpus gracilior*	fern pine	12,10	35	10r	good	fair
27	C-2	*Erythrina caffra*	kaffirboom coral tree	11.5,8 @ 5'	35	10r	deciduous	fair
28	C-2	*Pinus roxburghii*	chir pine	15	50	6r	good	good
29	C-2	*Pinus roxburghii*	chir pine	14	48	6r	fair	good
30	C-2	*Platanus racemosa*	western sycamore	11	45	12/8/8/10	fair	fair
31	C-2	*Ceiba speciosa*	floss silk tree	10.5	28	0	deciduous	very poor
32	C-3	*Cedrus deodara*	deodar cedar	12 @ 3.5'	45	12r	good	fair
33	C-3	*Ceiba speciosa*	floss silk tree	9	28	3r	deciduous	very poor
34	C-3	*Pinus canariensis*	Canary Island pine	15	70	8r	good	fair
35	C-3	*Pinus canariensis*	Canary Island pine	17	70	8r	good	fair
36	C-3	*Pinus canariensis*	Canary Island pine	16	70	8r	good	fair

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
37	C-2	*Ceiba speciosa*	floss silk tree	13	40	6r	deciduous	fair
38	C-2	*Ceiba speciosa*	floss silk tree	8.5	40	6r	deciduous	fair
39	C-2	*Ceiba speciosa*	floss silk tree	10	42	7r	deciduous	fair
40	C-2	*Erythrina caffra*	kaffirboom coral tree	14,13.5	40	12r	deciduous	fair
41	C-2	*Erythrina caffra*	kaffirboom coral tree	12,12,10	35	12r	deciduous	fair
42	C-2	*Erythrina caffra*	kaffirboom coral tree	15.5,13	22	12r	good	fair
43	C-2	*Erythrina caffra*	kaffirboom coral tree	20 @ 2.5'	20	12r	good	fair
44	C-2	*x Chitalpa tashkentensis*	chitalpa	8.5	25	12r	deciduous	fair
45	C-2	*Pittosporum tobira*	tobira	6,6,5,4,4,3	30	9r	good	fair
46	C-2	*Jacaranda mimosifolia*	jacaranda	13	30	20r	good	fair
47	C-2	*Gleditsia triacanthos*	honey locust	9.5	32	15r	deciduous	fair
48	C-2	*Cedrus deodara*	deodar cedar	27	50	22r	good	fair
49	C-2	*Pinus halepensis*	Aleppo pine	31.5	50	22r	good	fair
50	C-2	*Washingtonia robusta*	Mexican fan palm	26	70	10r	good	good
51	C-2	*Ficus microcarpa*	Indian laurel fig	34.5	50	30r	good	fair
52	C-2	*Washingtonia robusta*	Mexican fan palm	24	65	10r	good	good
53	C-2	*Washingtonia robusta*	Mexican fan palm	22	65	10r	good	fair
54	C-2	*Washingtonia robusta*	Mexican fan palm	22	65	10r	good	good
55	C-2	*Cedrus deodara*	deodar cedar	20	50	18r	good	fair
56	C-2	*Cedrus deodara*	deodar cedar	36	65	32r	good	fair
57	C-2	*Erythrina caffra*	kaffirboom coral tree	19	30	12r	good	fair
58	C-2	*Erythrina caffra*	kaffirboom coral tree	14,9 @ 4'	25	12r	good	fair
59	C-2	*Cedrus deodara*	deodar cedar	30	50	25r	good	fair
60	C-2	*Syagrus romanzoffianum*	queen palm	11	35	10f	good	good
61	C-2	*Archontophoenix cunninghamiana*	king palm	8	30	8r	good	good
62	C-2	*Syagrus romanzoffianum*	queen palm	13	40	10r	good	good
63	C-2	*Quercus agrifolia*	coast live oak	24 @ 4'	35	18/15/24/18	fair	fair
64	C-2	*Schinus terebinthifolius*	Brazilian pepper	26 @ 4'	30	16r	good	fair
65	C-4	*Schinus terebinthifolius*	Brazilian pepper	16	20	10r	good	fair
66	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	12	33	10r	good	good
67	C-2	*Alnus rhombifolia*	white alder	19	55	15r	fair	fair
68	C-3	*Quercus agrifolia*	coast live oak	19	45	25/—/27/30	fair	fair
69	C-3	*Calocedrus decurrens*	incense-cedar	20	55	6r	good	fair
70	C-3	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	11.5 @ 2.5'	12	6r	good	fair
71	C-3	*Pittosporum undulatum*	Victorian box	23 @ 1'	25	8r	fair	fair
72	C-3	*Pittosporum undulatum*	Victorian box	13 @ 1'	23	6r	fair	fair

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
73	C-3	*Jacaranda mimosifolia*	jacaranda	9	25	8r	good	fair
74	C-3	*Schinus terebinthifolius*	Brazilian pepper	10 @ 4'	18	18r	good	fair
75	C-3	*Melaleuca citrina*	lemon bottlebrush	10.5,5	18	4r	fair	fair
76	C-3	*Melaleuca citrina*	lemon bottlebrush	13,4	20	6r	fair	good
77	C-3	*Magnolia x soulangeana*	Chinese magnolia	6,6,5	17	6r	good	fair
78	C-3	*Melaleuca viminalis*	weeping bottlebrush	8.5	20	5r	good	fair
79	C-3	*Cupressus sempervirens*	Italian cypress	10 @ 1'	16	3r	good	fair
80	C-3	*Schinus terebinthifolius*	Brazilian pepper	39 @ 3'	30	20r	good	fair
81	C-3	*Ficus benjamina*	weeping fig	16 @ 1.5'	28	13r	good	fair
82	C-3	*Cupaniopsis anacardioides*	carrotwood	15,10	28	12r	good	fair
83	C-3	*Jacaranda mimosifolia*	jacaranda	17.5	35	18r	good	fair
84	C-3	*Ficus benjamina*	weeping fig	16 @ 3'	32	15r	good	fair
85	C-3	*Ficus benjamina*	weeping fig	18	35	12r	good	fair
86	C-3	*Ficus benjamina*	weeping fig	20 @ 2'	32	12r	good	fair
87	C-5	*Juglans regia*	English walnut	9,8,8 @ 2'	30	10r	fair	fair
88	C-4	*Melaleuca viminalis*	weeping bottlebrush	14	22	8r	good	fair
89	C-4	*Melaleuca citrina*	lemon bottlebrush	11.5	18	6r	poor	fair
90	C-4	*Citrus sinensis*	orange	9 @ 2.5'	18	8r	good	fair
91	C-4	*Afrocarpus gracilior*	fern pine	13.5	33	8r	good	fair
92	C-4	*Cupaniopsis anacardioides*	carrotwood	10	29	8r	good	good
93	C-4	*Cupaniopsis anacardioides*	carrotwood	9 @ 3'	28	8r	good	good
94	C-4	*Chamaerops humilis*	Mediterranean fan palm	8,8 @ 3'	12	6r	good	good
95	C-4	*Phoenix canariensis*	Canary Island date palm	28	60	15r	good	fair
96	C-4	*Jacaranda mimosifolia*	jacaranda	23	40	20r	good	fair
97	C-4	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	~24 @ grade	25	10r	good	fair
98	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	16	15	6r	good	fair
99	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	14,10,10	25	10r	good	fair
100	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	13,13	25	10r	good	fair
101	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	20.5 @ 3'	20	10r	good	fair
102	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	16,10	23	12r	good	fair
103	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	10	20	6r	poor	fair
104	C-2	*Thuja occidentalis*	American arborvitae	14,6	40	12r	good	good
105	C-2	*Thuja occidentalis*	American arborvitae	14,5.5	40	12r	good	good
106	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	9,6,6,5	20	12r	good	fair
107	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	11.5,9	23	10r	good	fair
108	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	19,9,8,7	25	12r	good	fair

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
109	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	10,8	28	10r	good	fair
110	C-2	*Washingtonia filifera*	California fan palm	29	60	10r	good	good
111	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	11	25	8r	good	fair
112	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	11,9,6	28	10r	good	good
113	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	11,5	28	10r	good	fair
114	C-2	*Washingtonia filifera*	California fan palm	23	45	10r	good	good
115	C-2	*Juniperus chinensis 'Torulosa'*	Hollywood juniper	11,8,5	28	10r	good	fair
116	C-2	*Afrocarpus gracilior*	fern pine	24 @ 1'	40	15r	good	fair
117	C-2	*Washingtonia robusta*	Mexican fan palm	22	65	10r	good	good
S118	C-2	*Melaleuca citrina*	lemon bottlebrush	7	20	6r	fair	fair
S119	C-2	*Melaleuca citrina*	lemon bottlebrush	11	28	8r	fair	good
S120	C-2	*Platanus x hispanica*	London plane	5.5	22	8r	fair	fair
S121	C-2	*Cercis canadensis*	eastern redbud	4.5	12	6r	good	fair
S122	C-2	*Platanus x hispanica*	London plane	5.5	20	8r	good	fair
S123	C-2	*Cercis canadensis*	eastern redbud	6	18	8r	good	fair
S124	C-2	*Platanus x hispanica*	London plane	7	25	8r	fair	fair
S125	C-2	*Cercis canadensis*	eastern redbud	10	25	10r	good	fair
S126	C-2	*Platanus x hispanica*	London plane	7	30	8r	fair	fair
S127	C-2	*Cercis canadensis*	eastern redbud	8.5	25	10r	good	poor
S128	C-2	*Platanus x hispanica*	London plane	8	30	8r	fair	good
S129	C-2	*Cercis canadensis*	eastern redbud	7	25	8r	good	fair
S130	C-4	*Platanus x hispanica*	London plane	7	32	10r	fair	fair
S131	C-4	*Cercis canadensis*	eastern redbud	7.5	22	8r	good	fair
S132	C-4	*Washingtonia robusta*	Mexican fan palm	15.5	70	10r	good	good
S133	C-4	*Washingtonia robusta*	Mexican fan palm	14	70	10r	good	fair
S134	C-4	*Washingtonia robusta*	Mexican fan palm	15	70	10r	good	good
S135	C-4	*Washingtonia robusta*	Mexican fan palm	14	70	10r	good	good
S136	C-4	*Washingtonia robusta*	Mexican fan palm	17	70	10r	good	fair
S137	C-4	*Washingtonia robusta*	Mexican fan palm	14.5	70	10r	good	good
S138	C-4	*Washingtonia robusta*	Mexican fan palm	15	70	10r	good	good
S139	C-4	*Washingtonia robusta*	Mexican fan palm	14.5	70	10r	good	good
S140	C-4	*Washingtonia robusta*	Mexican fan palm	16	70	10r	good	fair
S141	C-4	*Washingtonia robusta*	Mexican fan palm	15	70	10r	good	good
S142	C-4	*Washingtonia robusta*	Mexican fan palm	14.5	70	10r	good	good
S143	C-4	*Washingtonia robusta*	Mexican fan palm	16	70	10r	good	good
S144	C-4	*Washingtonia robusta*	Mexican fan palm	17	70	10r	good	good

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
S145	C-4	*Washingtonia robusta*	Mexican fan palm	19	70	10r	good	fair
S146	C-6	*Washingtonia robusta*	Mexican fan palm	19.5	70	10r	good	fair
S147	C-6	*Washingtonia robusta*	Mexican fan palm	17.5	70	10r	good	fair
S148	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	good
S149	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	good
S150	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	good
S151	C-6	*Washingtonia robusta*	Mexican fan palm	20	70	10r	good	fair
S152	C-6	*Washingtonia robusta*	Mexican fan palm	18.5	70	10r	good	good
S153	C-6	*Washingtonia robusta*	Mexican fan palm	16	70	10r	good	good
S154	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	good
S155	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	good
S156	C-6	*Washingtonia robusta*	Mexican fan palm	19	70	10r	good	good
S157	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	fair
S158	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	fair
S159	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	fair
S160	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	fair
S161	C-6	*Washingtonia robusta*	Mexican fan palm	17	70	10r	good	fair
S162	C-6	*Washingtonia robusta*	Mexican fan palm	17	70	10r	good	fair
S163	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	fair
S164	C-6	*Washingtonia robusta*	Mexican fan palm	18	70	10r	good	fair
S165	C-6	*Washingtonia robusta*	Mexican fan palm	17	70	10r	good	fair
S166	C-6	*Washingtonia robusta*	Mexican fan palm	18.5	70	10r	good	fair
S167	C-6	*Washingtonia robusta*	Mexican fan palm	17.5	70	10r	good	fair
S168	C-6	*Washingtonia robusta*	Mexican fan palm	15	70	10r	good	fair
S169	C-6	*Washingtonia robusta*	Mexican fan palm	14	70	10r	good	fair
S170	C-6	*Washingtonia robusta*	Mexican fan palm	14	70	10r	good	fair
S171	C-6	*Washingtonia robusta*	Mexican fan palm	15	70	10r	good	fair
172	C-6	*Pinus halepensis*	Aleppo pine	~26	60	~30r	good	fair
173	C-6	*Pinus halepensis*	Aleppo pine	~26	60	~20r	good	fair
174	C-6	*Pinus halepensis*	Aleppo pine	18	30	~35W	fair	very poor
175	C-6	*Pinus halepensis*	Aleppo pine	18	50	~35W	fair	poor
176	C-6	*Washingtonia robusta*	Mexican fan palm	~12	25	6r	good	good
177	C-7	*Pinus canariensis*	Canary Island pine	10	40	~8r	fair	good
178 (no tag)	C-7	*Phoenix canariensis*	Canary Island date palm	~26	8	10W	poor	very poor
179	C-7	*Schinus molle*	Peruvian pepper	~22,14,14,12	35	21r	good	fair

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
180	C-7	*Pinus canariensis*	Canary Island pine	14 @ 3'	30	10r	fair	poor
181	C-7	*Washingtonia robusta*	Mexican fan palm	14	40	6r	good	good
182	C-7	*Pinus canariensis*	Canary Island pine	11 @ 2'	40	8r	fair	fair
183	C-7	*Phoenix canariensis*	Canary Island date palm	~28	10	10r	good	good
184	C-7	*Pinus canariensis*	Canary Island pine	17	50	~15r	good	fair
185	C-7	*Heteromeles arbutifolia*	toyon	8 @ 2'	20	~10r	good	fair
186	C-7	*Pinus pinea*	Italian stone pine	20.5 @ 3'	30	40N	fair	very poor
187	C-7	*Schinus molle*	Peruvian pepper	~12,7,5,5 @ 2'	15	12r	fair	fair
188	C-7	*Pinus halepensis*	Aleppo pine	8	20	30NE	fair	poor
189	C-5	*Pinus pinea*	Italian stone pine	26	30	30N,25W	poor	fair
190	C-5	*Heteromeles arbutifolia*	toyon	~8,4,3,3	18	~8r	good	fair
191	C-5	*Pinus halepensis*	Aleppo pine	19	22	15r	fair	poor
192	C-5	*Pinus halepensis*	Aleppo pine	18	40	12r	fair	fair
193	C-5	*Pinus halepensis*	Aleppo pine	~30 @ 2'	50	25r	good	fair
194	C-5	*Pinus halepensis*	Aleppo pine	24	40	15r	good	fair
195	C-5	*Pinus halepensis*	Aleppo pine	18	40	12r	good	fair
196	C-5	*Pinus halepensis*	Aleppo pine	31 @ 3'	60	25r	good	fair
197	C-5	*Pinus halepensis*	Aleppo pine	13	30	12r	good	fair
198	C-4	*Pinus halepensis*	Aleppo pine	27	50	40NE	good	fair
199	C-4	*Pinus halepensis*	Aleppo pine	37 @ 1.5'	60	25r	fair	fair
200	C-4	*Pinus halepensis*	Aleppo pine	37 @ 1'	60	20r	fair	fair
201	C-4	*Washingtonia robusta*	Mexican fan palm	12	20	6r	good	good
202	C-4	*Pinus halepensis*	Aleppo pine	24	60	40NW	good	fair
203	C-4	*Pinus halepensis*	Aleppo pine	31 @ 1.5'	50	40N	good	fair
204	C-4	*Phoenix canariensis*	Canary Island date palm	25	15	10r	good	good
205	C-4	*Phoenix sp.*	date palm species	12	10	10r	good	good
206	C-4	*Phoenix sp.*	date palm species	14	35	10r	good	good
207	C-4	*Thuja occidentalis*	American arborvitae	10 @ grade	15	9r	good	good
208	C-4	*Pinus pinea*	Italian stone pine	24	30	10r	fair	fair
209	C-4	*Pinus pinea*	Italian stone pine	21	20	10W	fair	fair
210	C-4	*Pinus pinea*	Italian stone pine	23	32	20r	good	fair
211	C-4	*Pinus pinea*	Italian stone pine	19	22	10W	fair	fair
213	C-5	*Pinus halepensis*	Aleppo pine	27	70	25r	good	good
214	C-5	*Pinus halepensis*	Aleppo pine	20	60	20r	good	good
215	C-5	*Quercus agrifolia*	coast live oak	12 @ 1'	25	15r	fair	good
216	C-5	*Eucalyptus camaldulensis*	red gum	19,6,5,4	50	8r	fair	fair

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
217	C-5	*Heteromeles arbutifolia*	toyon	7,5,5,5,3 @ 3'	20	8r	fair	good
218	C-5	*Schinus molle*	Peruvian pepper	26,19	25	18r	fair	fair
219	C-5	*Schinus molle*	Peruvian pepper	12,11	20	12r	fair	fair
220	C-5	*Corymbia maculata*	spotted gum	17	25	2r	good	good
221	C-5	*Corymbia maculata*	spotted gum	20.5	40	12r	good	good
222	C-5	*Heteromeles arbutifolia*	toyon	13,11.5,11,7	28	14r	fair	good
223	C-5	*Schinus molle*	Peruvian pepper	~48 @ grade	28	20r	fair	poor
224	C-5	*Pinus halepensis*	Aleppo pine	18	48	30N	fair	fair
225	C-5	*Pinus halepensis*	Aleppo pine	24	55	30W	fair	fair
226	C-5	*Schinus molle*	Peruvian pepper	~28 @ 1.5'	30	15r	fair	fair
227	C-5	*Pinus halepensis*	Aleppo pine	19.5	48	20r	fair	good
228	C-5	*Grevillea robusta*	silk oak	19	40	10r	fair	very poor
229	C-5	*Pinus halepensis*	Aleppo pine	16.5	40	30W	fair	poor
230	C-5	*Ulmus parvifolia*	Chinese elm	10.5	30	10r	poor	good
231	C-5	*Schinus molle*	Peruvian pepper	~16,7 @ 2'	25	12r	good	very poor
232	C-5	*Ulmus parvifolia*	Chinese elm	11.5,9	30	20W	poor	poor
233	C-5	*Schinus molle*	Peruvian pepper	10 @ 3'	25	12S	fair	poor
234	C-5	*Schinus molle*	Peruvian pepper	26,15 @ 5'	35	20r	good	poor
235	C-5	*Schinus molle*	Peruvian pepper	19	30	6r	good	poor
236	C-5	*Ulmus parvifolia*	Chinese elm	19	35	15r	fair	fair
237	C-5	*Ulmus parvifolia*	Chinese elm	19	35	15r	fair	fair
238	C-5	*Ulmus parvifolia*	Chinese elm	18.5	38	15r	fair	fair
239	C-5	*Ulmus parvifolia*	Chinese elm	17	35	15r	fair	fair
240	C-4	*Ulmus parvifolia*	Chinese elm	18.5	35	15r	fair	fair
241	C-4	*Eucalyptus sp.*	eucalyptus	~18	30	6r	fair	fair
242 (no tag)	C-4	*Washingtonia filifera*	California fan palm	~26	40	8r	fair	fair
243	C-4	*Washingtonia filifera*	California fan palm	31	40	6r	fair	fair
244	C-4	*Erythrina caffra*	kaffirboom coral tree	18 @ 1'	20	10r	good	fair
245	C-4	*Washingtonia robusta*	Mexican fan palm	~12	40	6r	good	good
246	C-4	*Washingtonia robusta*	Mexican fan palm	~12	25	6r	good	good
247	C-4	*Washingtonia robusta*	Mexican fan palm	~13	40	6r	good	good
248	C-4	*Washingtonia robusta*	Mexican fan palm	15	25	6r	good	good
249	C-4	*Washingtonia robusta*	Mexican fan palm	17	35	6r	good	good
250	C-4	*Washingtonia robusta*	Mexican fan palm	18	60	6r	good	good
251	C-4	*Washingtonia robusta*	Mexican fan palm	16.5	55	6r	good	good

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
252	C-4	*Washingtonia robusta*	Mexican fan palm	16	40	6r	good	good
253	C-4	*Washingtonia robusta*	Mexican fan palm	13	30	6r	good	good
254	C-4	*Cedrus deodara*	deodar cedar	25	45	20r	good	fair
255	C-4	*Pinus halepensis*	Aleppo pine	23	40	15N	fair	fair
256	C-6	*Pinus halepensis*	Aleppo pine	26	50	30SW	fair	fair
257	C-6	*Pinus halepensis*	Aleppo pine	25	60	25r	good	fair
258	C-6	*Pinus pinea*	Italian stone pine	21.5	30	30S	fair	poor
259	C-6	*Pinus pinea*	Italian stone pine	23,14	50	~20r	fair	fair
260	C-6	*Sambucus nigra ssp. caerulea*	blue elderberry	12,10 @ 1.5'	25	10r	poor	fair
261	C-6	*Pinus pinea*	Italian stone pine	49 @ 2.5'	50	25r	fair	fair
262	C-6	*Pinus halepensis*	Aleppo pine	37 @ 3'	70	30r	good	fair
263	C-6	*Pinus halepensis*	Aleppo pine	34	65	25r	fair	fair
264	C-6	*Phoenix canariensis*	Canary Island date palm	37	20	10r	good	good
265	C-6	*Pinus halepensis*	Aleppo pine	30	60	20r	good	fair
266	C-6	*Phoenix canariensis*	Canary Island date palm	41	25	10r	good	good
267	C-6	*Schinus terebinthifolius*	Brazilian pepper	31 @ 1'	30	15r	good	fair
268	C-6	*Schinus terebinthifolius*	Brazilian pepper	25 @ 3'	30	12r	good	fair
269	C-6	*Schinus terebinthifolius*	Brazilian pepper	8,6,5.5	18	8r	good	fair
270	C-6	*Washingtonia robusta*	Mexican fan palm	14	35	6r	good	good
271	C-6	*Washingtonia robusta*	Mexican fan palm	14,14	35	6r	good	good
272	C-6	*Washingtonia robusta*	Mexican fan palm	16	40	6r	good	good
273	C-6	*Washingtonia robusta*	Mexican fan palm	16.5	40	6r	good	good
274	C-6	*Juglans californica*	California black walnut	10,10,10,9,8,8,8,7	35	30r	poor	fair
275	C-6	*Washingtonia robusta*	Mexican fan palm	14,15	35	6r	good	good
276	C-6	*Ulmus parvifolia*	Chinese elm	25 @ grade	30	15r	poor	poor
277	C-6	*Ailanthus altissima*	tree-of-heaven	21 @ .5'	45	20r	good	poor
278	C-6	*Washingtonia robusta*	Mexican fan palm	15	10	6r	good	good
279	C-6	*Ailanthus altissima*	tree-of-heaven	8,8,8,7	30	15r	fair	poor
280	C-6	*Chamaerops humilis*	Mediterranean fan palm	9,9	12	6r	very good	good
281	C-4	*Schinus terebinthifolius*	Brazilian pepper	8,8 @ 2'	20	10r	good	fair
282	C-4	*Jacaranda mimosifolia*	jacaranda	17 @ 2'	40	15r	good	fair
283	C-4	*Ligustrum japonicum*	wax leaf privet	~12,10	28	12r	good	poor
284	C-4	*Ligustrum japonicum*	wax leaf privet	24 @ 2'	35	12r	good	poor
285	C-4	*Phoenix sp.*	date palm species	~18 @ 3'	40	10r	good	good
286	C-4	*Phoenix canariensis*	Canary Island date palm	32.5	35	10r	good	good
287	C-4	*Ficus macrophylla*	Moreton Bay fig	73	70	40r	good	good

FIELD INVENTORY DATA

Tree #	Survey Sheet #	Species	Common Name	DSH (inches)*	Height**	Spread***	Health****	Structure
288	C-4	*Phoenix sp.*	date palm species	17	18	10r	good	good
289	C-4	*Pinus pinea*	Italian stone pine	25,23	40	30E	fair	fair
290	C-4	*Washingtonia robusta*	Mexican fan palm	16	50	6r	good	good
291	C-4	*Schinus molle*	Peruvian pepper	27 @ 3'	35	20r	good	fair
292	C-4	*Trachycarpus fortunei*	windmill palm	8	18	4r	good	good
293	C-4	*Trachycarpus fortunei*	windmill palm	8	20	4r	good	good

* Diameter measured at the standard height of 4.5-feet above grade, unless otherwise specified.
** Height is estimated in feet.
*** For impacted protected trees, canopy is the distance to the North/East/South/West. "r" indicates canopy as a radius estimated in feet.
**** Deciduous means the tree is alive, but health was indeterminable during site visit.
Shaded fields denote non-protected trees. Protected trees: ≥ 4"DSH Walnut, CA Bay, Western Syc, Oaks (except *dumosa),* and LA City Street Trees

Jan C. Scow Consulting Arborists, LLC

Disease and Pest Diagnosis, Hazard Evaluation, Restorative Pruning Advice, Value Assessment

1744 Franklin Street Unit B
Santa Monica, CA 90404
(818) 789-9127

Date: 12/28/17

To: Allan Spulecki, RELM Studio

From: Jan Scow

Subject: Tree Inventory at Lincoln High School

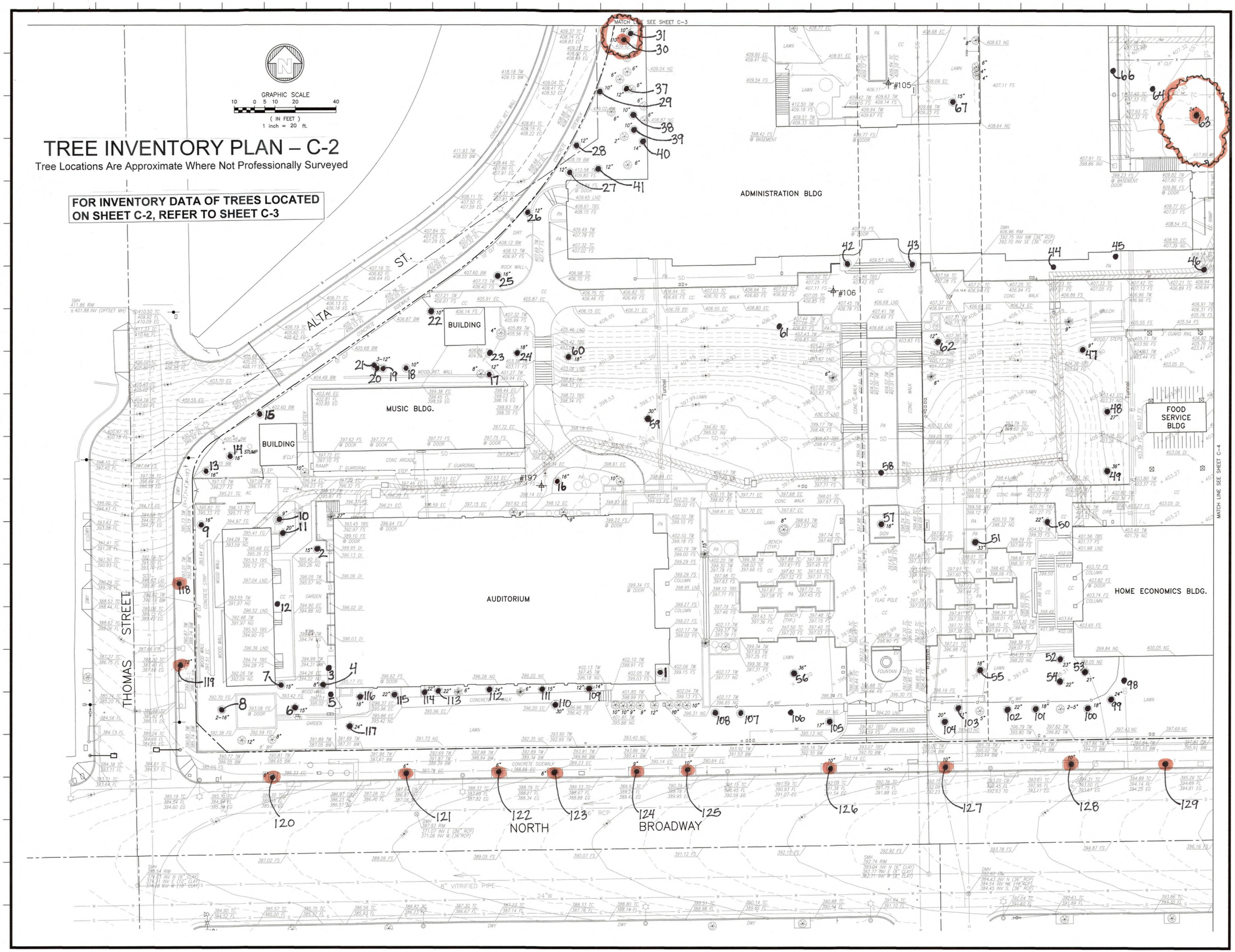
We were asked to perform a survey of the entire Lincoln High School campus located at 3501 N Broadway Avenue and to provide tree inventory data and tree inventory plan sheets. We surveyed the west portion of the campus on 12/12/17 and the east portion of the campus on 12/19/17. The following is a table containing summary information from our tree inventory data.

Total number of…	**Count**
Trees	293
Protected native trees	5
Protected street trees	54
Non-protected trees	234

Please let us know if we can be of any further assistance or if you have any additional questions. Our goal is to satisfy our clients and help them to better care for their trees in the most effective way possible. We look forward to working with you toward that goal!

Sincerely,

Jan C. Scow
ASCA Registered Consulting Arborist #382
ISA Certified Arborist # WC1972



LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
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PROJECT TITLE AND SCHOOL LOCATION

ABRAHAM LINCOLN HIGH SCHOOL
3501 N BROADWAY
LOS ANGELES, CA 90031

COMMISSIONED ARCHITECT

CONSULTANT

14841 Yorba Street, Suite 201
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STAMPS/SEALS

JAN C. SCOW ASCA AMERICAN SOCIETY OF CONSULTING ARBORISTS Registered Consulting Arborist #352

DIVISION OF THE STATE ARCHITECT

12/27/17

Jan C. Scow Consulting Arborists, LLC
4744-B Franklin Street
Santa Monica, CA 90404

TREE INVENTORY PLAN – C-2

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.: LAU0137-06	PROJECT ARCH:
DRAWN: KT	CHECKED: JG
SHEET NUMBER	**C-2**
DATE: 6/30/2017	SHEET: 2 OF: 7

TREE INVENTORY PLAN – C-3

Tree Locations Are Approximate Where Not Professionally Surveyed

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 20 ft.

Property: Lincoln HS

Date: 12/19/17

FIELD INVENTORY DATA
SHEET C-2

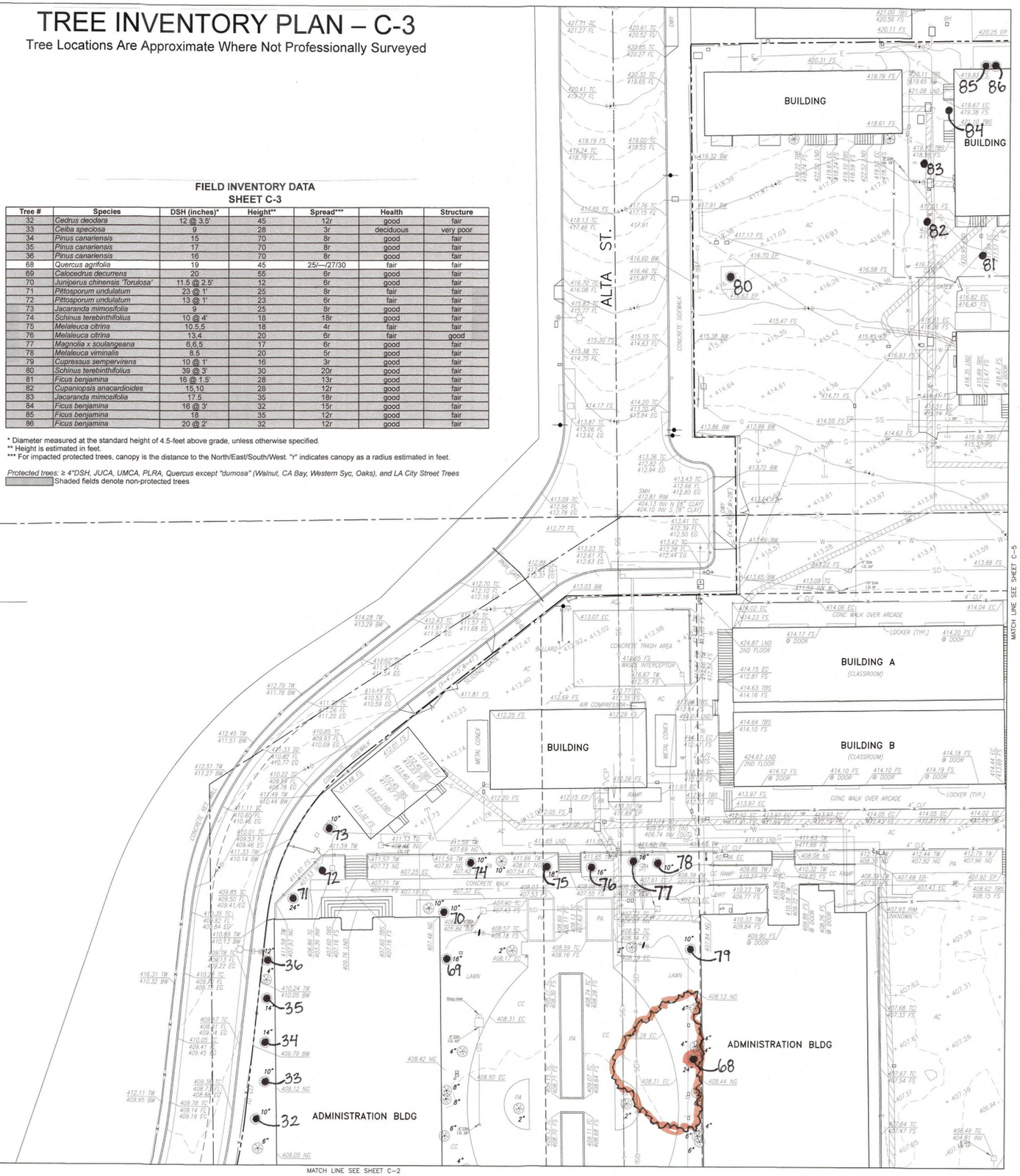
Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
1	*Schefflera sp.*	12.5	25	10r	good	fair
2	*Cupaniopsis anacardioides*	16.5	32	12r	good	fair
3	*Schefflera sp.*	6,6,4	22	10r	good	fair
4	*Trachycarpus fortunei*	8	25	8r	good	good
5	*Ficus lyrata*	13,13	35	15r	good	fair
6	*Washingtonia filifera*	31	38	10r	good	fair
7	*Cupaniopsis anacardioides*	14	25	12r	good	fair
8	*Melaleuca quinquenervia*	19,15	35	10r	good	fair
9	*Jacaranda mimosifolia*	16.5	40	18r	good	fair
10	*Cupaniopsis anacardioides*	7.5,6.5	25	10r	good	fair
11	*Washingtonia robusta*	22	80	10r	good	good
12	*Cupaniopsis anacardioides*	8	25	10r	fair	fair
13	*Pinus canariensis*	~16	45	8r	fair	fair
14	*Pinus roxburghii*	~12	40	8r	fair	fair
15	*Afrocarpus gracilior*	~15	40	10r	good	fair
16	*Jacaranda mimosifolia*	13	38	18r	good	fair
17	*Pinus roxburghii*	17	50	8r	fair	fair
18	*Quercus suber*	14,11	32	15r	good	fair
19	*Quercus suber*	11,10	32	9r	good	fair
20	*Quercus suber*	8	30	12NW	good	fair
21	*Quercus suber*	10	28	15NW	good	fair
22	*Ulmus parvifolia*	11	40	15r	poor	fair
23	*Ulmus parvifolia*	9 @ 5'	40	12r	fair	fair
24	*Syagrus romanzoffianum*	12	35	10r	good	good
25	*Ulmus parvifolia*	19	40	25r	fair	good
26	*Afrocarpus gracilior*	12,10	35	10r	good	fair
27	*Erythrina caffra*	11.5,8 @ 5'	35	10r	deciduous	fair
28	*Pinus roxburghii*	15	50	6r	good	good
29	*Pinus roxburghii*	14	48	6r	fair	good
30	*Platanus racemosa*	11	45	12/8/8/10	fair	fair
31	*Ceiba speciosa*	10.5	28	0	deciduous	very poor
37	*Ceiba speciosa*	13	40	6r	deciduous	fair
38	*Ceiba speciosa*	8.5	40	6r	deciduous	fair
39	*Ceiba speciosa*	10	42	7r	deciduous	fair
40	*Erythrina caffra*	14,13.5	40	12r	deciduous	fair
41	*Erythrina caffra*	12,12,10	35	12r	deciduous	fair
42	*Erythrina caffra*	15.5,13	22	12r	good	fair
43	*Erythrina caffra*	20 @ 2.5'	20	12r	good	fair
44	*x Chitalpa tashkentensis*	8.5	25	12r	deciduous	fair
45	*Pittosporum tobira*	6,6,5,4,4,3	30	9r	good	fair
46	*Jacaranda mimosifolia*	13	30	20r	good	fair
47	*Gleditsia triacanthos*	9.5	32	15r	deciduous	fair
48	*Cedrus deodara*	27	50	22r	good	fair
49	*Pinus halepensis*	31.5	50	22r	good	fair
50	*Washingtonia robusta*	26	70	10r	good	good
51	*Ficus microcarpa*	34.5	50	30r	good	fair
52	*Washingtonia robusta*	24	65	10r	good	good
53	*Washingtonia robusta*	22	65	10r	good	fair
54	*Washingtonia robusta*	22	65	10r	good	good
55	*Cedrus deodara*	20	50	18r	good	fair
56	*Cedrus deodara*	36	65	32r	good	fair
57	*Erythrina caffra*	19	30	12r	good	fair
58	*Erythrina caffra*	14,9 @ 4'	25	12r	good	fair
59	*Cedrus deodara*	30	50	25r	good	fair
60	*Syagrus romanzoffianum*	11	35	10f	good	good
61	*Archontophoenix cunninghamiana*	8	30	8r	good	good
62	*Syagrus romanzoffianum*	13	40	10r	good	good
63	*Quercus agrifolia*	24 @ 4'	35	18/15/24/18	fair	fair
64	*Schinus terebinthifolius*	26 @ 4'	30	16r	good	fair
66	*Juniperus chinensis 'Torulosa'*	12	33	10r	good	good
67	*Alnus rhombifolia*	19	55	15r	fair	fair
98	*Juniperus chinensis 'Torulosa'*	16	15	6r	good	fair
99	*Juniperus chinensis 'Torulosa'*	14,10,10	25	10r	good	fair
100	*Juniperus chinensis 'Torulosa'*	13,13	25	10r	good	fair
101	*Juniperus chinensis 'Torulosa'*	20.5 @ 3'	20	10r	good	fair
102	*Juniperus chinensis 'Torulosa'*	16,10	23	12r	good	fair
103	*Juniperus chinensis 'Torulosa'*	10	20	6r	poor	fair
104	*Thuja occidentalis*	14,6	40	12r	good	good
105	*Thuja occidentalis*	14,5,5	40	12r	good	good
106	*Juniperus chinensis 'Torulosa'*	9,6,6,5	20	12r	good	fair
107	*Juniperus chinensis 'Torulosa'*	11,5,9	23	10r	good	fair
108	*Juniperus chinensis 'Torulosa'*	19,9,8,7	25	12r	good	fair
109	*Juniperus chinensis 'Torulosa'*	10,8	28	10r	good	fair
110	*Washingtonia filifera*	29	60	10r	good	good
111	*Juniperus chinensis 'Torulosa'*	11	25	8r	good	fair
112	*Juniperus chinensis 'Torulosa'*	11,9,6	28	10r	good	good
113	*Juniperus chinensis 'Torulosa'*	11,5	28	10r	good	fair
114	*Washingtonia filifera*	23	45	10r	good	good
115	*Juniperus chinensis 'Torulosa'*	11,8,5	28	10r	good	fair
116	*Afrocarpus gracilior*	24 @ 1'	40	15r	good	fair
117	*Washingtonia robusta*	22	65	10r	good	good
S118	*Melaleuca citrina*	7	20	6r	fair	fair
S119	*Melaleuca citrina*	11	28	8r	fair	good
S120	*Platanus x hispanica*	5.5	22	8r	fair	fair
S121	*Cercis canadensis*	4.5	12	8r	good	fair
S122	*Platanus x hispanica*	5.5	20	8r	good	fair
S123	*Cercis canadensis*	6	18	8r	good	fair
S124	*Platanus x hispanica*	7	25	8r	fair	fair
S125	*Cercis canadensis*	10	25	10r	good	fair
S126	*Platanus x hispanica*	7	30	8r	fair	fair
S127	*Cercis canadensis*	8.5	25	10r	good	poor
S128	*Platanus x hispanica*	8	30	8r	fair	good
S129	*Cercis canadensis*	7	25	8r	good	fair

FIELD INVENTORY DATA
SHEET C-3

Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
32	*Cedrus deodara*	12 @ 3.5'	45	12r	good	fair
33	*Ceiba speciosa*	9	28	3r	deciduous	very poor
34	*Pinus canariensis*	15	70	8r	good	fair
35	*Pinus canariensis*	17	70	8r	good	fair
36	*Pinus canariensis*	16	70	8r	good	fair
68	*Quercus agrifolia*	19	45	25/—/27/30	fair	fair
69	*Calocedrus decurrens*	20	55	6r	good	fair
70	*Juniperus chinensis 'Torulosa'*	11.5 @ 2.5'	12	6r	good	fair
71	*Pittosporum undulatum*	23 @ 1'	25	8r	fair	fair
72	*Pittosporum undulatum*	13 @ 1'	23	6r	fair	fair
73	*Jacaranda mimosifolia*	9	25	8r	good	fair
74	*Schinus terebinthifolius*	10 @ 4'	18	18r	good	fair
75	*Melaleuca citrina*	10.5,5	18	4r	fair	fair
76	*Melaleuca citrina*	13,4	20	6r	fair	good
77	*Magnolia x soulangeana*	6,6,5	17	6r	good	fair
78	*Melaleuca viminalis*	8.5	20	5r	good	fair
79	*Cupressus sempervirens*	10 @ 1'	16	3r	good	fair
80	*Schinus terebinthifolius*	39 @ 3'	30	20r	good	fair
81	*Ficus benjamina*	16 @ 1.5'	28	13r	good	fair
82	*Cupaniopsis anacardioides*	15,10	28	12r	good	fair
83	*Jacaranda mimosifolia*	17.5	35	18r	good	fair
84	*Ficus benjamina*	16 @ 3'	32	15r	good	fair
85	*Ficus benjamina*	18	35	12r	good	fair
86	*Ficus benjamina*	20 @ 2'	32	12r	good	fair

* Diameter measured at the standard height of 4.5-feet above grade, unless otherwise specified.
** Height is estimated in feet.
*** For impacted protected trees, canopy is the distance to the North/East/South/West. "r" indicates canopy as a radius estimated in feet.

Protected trees: ≥ 4"DSH, JUCA, UMCA, PLRA, Quercus except "dumosa" (Walnut, CA Bay, Western Syc, Oaks), and LA City Street Trees
Shaded fields denote non-protected trees



LOS ANGELES UNIFIED SCHOOL DISTRICT
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PROJECT TITLE AND SCHOOL LOCATION

ABRAHAM LINCOLN HIGH SCHOOL
3501 N BROADWAY
LOS ANGELES, CA 90031

COMMISSIONED ARCHITECT

CONSULTANT

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STAMPS/SEALS

JAN C. SCOW ASCA AMERICAN SOCIETY of CONSULTING ARBORISTS Registered Consulting Arborist #352

DIVISION OF THE STATE ARCHITECT

12/27/17

Jan C. Scow Consulting Arborists, LLC
1744-B Franklin Street
Santa Monica, CA 90404

TREE INVENTORY PLAN – C-3

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.: LAU0137-06	PROJECT ARCH:
DRAWN: KT	CHECKED: JG

SHEET NUMBER

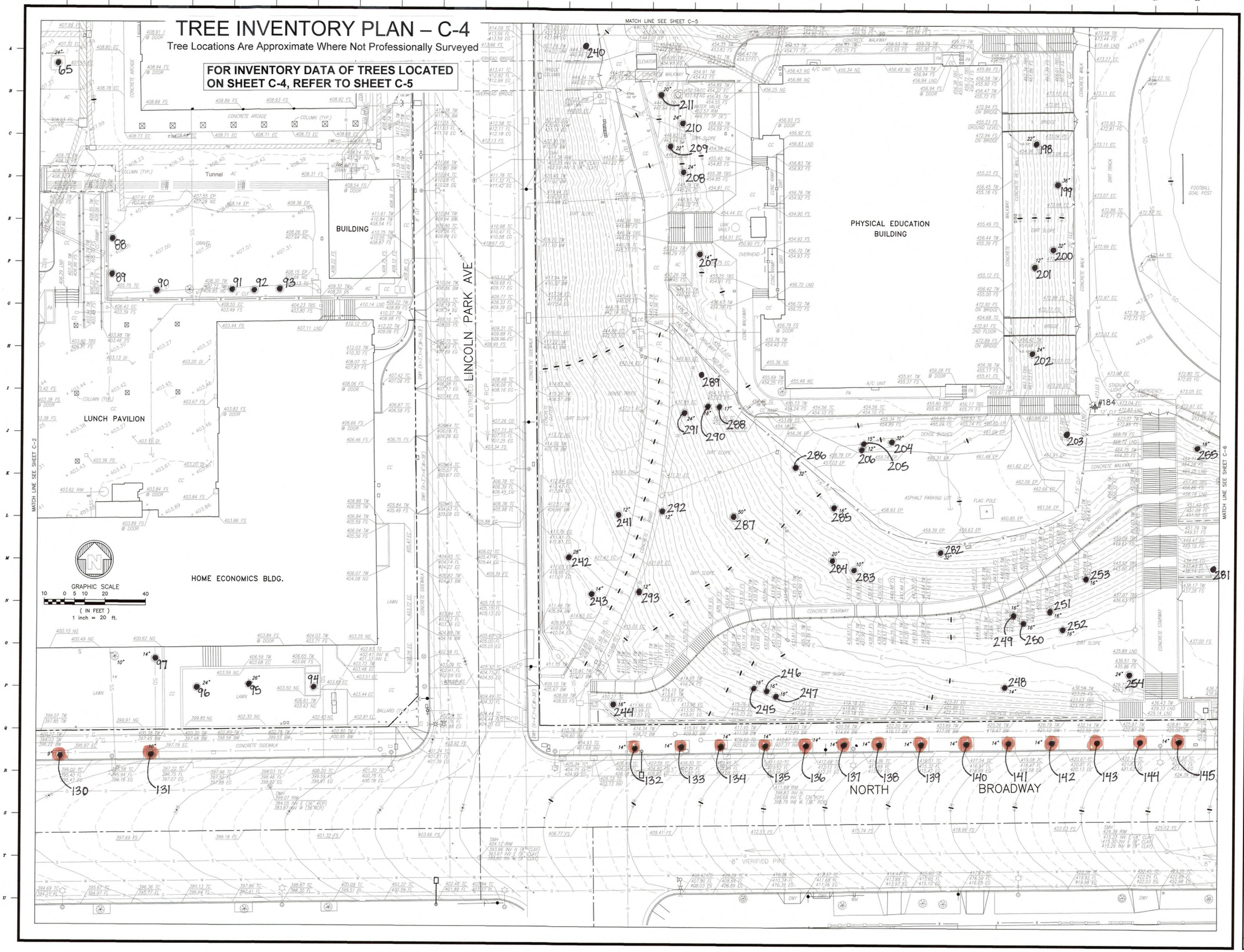
C-3

DATE: 6/30/2017 SHEET: 3 OF: 7

TREE INVENTORY PLAN – C-4

Tree Locations Are Approximate Where Not Professionally Surveyed

FOR INVENTORY DATA OF TREES LOCATED ON SHEET C-4, REFER TO SHEET C-5



LOS ANGELES UNIFIED SCHOOL DISTRICT
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PROJECT TITLE AND SCHOOL LOCATION

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STAMPS/SEALS

JAN C. SCOW ASCA AMERICAN SOCIETY of CONSULTING ARBORISTS Registered Consulting Arborist #393

DIVISION OF THE STATE ARCHITECT

12/21/17

Jan C. Scow Consulting Arborists, LLC
1744-B Franklin Street
Santa Monica, CA 90404

TREE INVENTORY PLAN – C-4

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO: LAU0137-06	PROJECT ARCH:
DRAWN: KT	CHECKED: JG

SHEET NUMBER

C-4

DATE: 6/30/2017 SHEET: 4 OF: 7

TREE INVENTORY PLAN – C-5

Tree Locations Are Approximate Where Not Professionally Surveyed

Property: Lincoln HS

Date: 12/19/17

FIELD INVENTORY DATA SHEET C-4

Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
65	Schinus terebinthifolius	16	20	10r	good	fair
88	Melaleuca viminalis	14	22	8r	good	fair
89	Melaleuca citrina	11.5	18	6r	poor	fair
90	Citrus sinensis	9 @ 2.5'	18	8r	good	fair
91	Afrocarpus gracilior	13.5	33	8r	good	fair
92	Cupaniopsis anacardioides	10	29	8r	good	good
93	Cupaniopsis anacardioides	9 @ 3'	28	8r	good	good
94	Chamaerops humilis	8,6 @ 3'	12	6r	good	good
95	Phoenix canariensis	28	60	15r	good	fair
96	Jacaranda mimosifolia	23	40	20r	good	fair
97	Juniperus chinensis 'Torulosa'	~24 @ grade	25	10r	good	fair
S130	Platanus x hispanica	7	32	10r	fair	fair
S131	Cercis canadensis	7.5	22	8r	good	fair
S132	Washingtonia robusta	15.5	70	10r	good	good
S133	Washingtonia robusta	14	70	10r	good	fair
S134	Washingtonia robusta	15	70	10r	good	good
S135	Washingtonia robusta	14	70	10r	good	good
S136	Washingtonia robusta	17	70	10r	good	fair
S137	Washingtonia robusta	14.5	70	10r	good	good
S138	Washingtonia robusta	15	70	10r	good	good
S139	Washingtonia robusta	14.5	70	10r	good	good
S140	Washingtonia robusta	16	70	10r	good	fair
S141	Washingtonia robusta	15	70	10r	good	good
S142	Washingtonia robusta	14.5	70	10r	good	good
S143	Washingtonia robusta	16	70	10r	good	good
S144	Washingtonia robusta	17	70	10r	good	good
S145	Washingtonia robusta	19	70	10r	good	fair
198	Pinus halepensis	27	50	40NE	good	fair
199	Pinus halepensis	37 @ 1.5'	60	25r	fair	fair
200	Pinus halepensis	37 @ 1'	60	20r	fair	fair
201	Washingtonia robusta	12	20	6r	good	good
202	Pinus halepensis	24	60	40NW	good	fair
203	Pinus halepensis	31 @ 1.5'	50	40N	good	fair
204	Phoenix canariensis	25	15	10r	good	good
205	Phoenix sp.	12	10	10r	good	good
206	Phoenix sp.	14	35	10r	good	good
207	Thuja occidentalis	10 @ grade	15	9r	good	good
208	Pinus pinea	24	30	10r	fair	fair
209	Pinus pinea	21	20	10W	fair	fair
210	Pinus pinea	23	32	20r	good	fair
211	Pinus pinea	19	22	10W	fair	fair
240	Ulmus parvifolia	18.5	35	15r	fair	fair
241	Eucalyptus sp.	~18	30	6r	fair	fair
242 (no tag)	Washingtonia filifera	~26	40	8r	fair	fair
243	Washingtonia filifera	31	40	6r	fair	fair
244	Erythrina caffra	18 @ 1'	20	10r	good	fair
245	Washingtonia robusta	~12	40	6r	good	good
246	Washingtonia robusta	~12	25	6r	good	good
247	Washingtonia robusta	~13	40	6r	good	good
248	Washingtonia robusta	15	25	8r	good	good
249	Washingtonia robusta	17	35	6r	good	good
250	Washingtonia robusta	18	60	6r	good	good
251	Washingtonia robusta	16.5	55	6r	good	good
252	Washingtonia robusta	16	40	6r	good	good
253	Washingtonia robusta	13	30	6r	good	good
254	Cedrus deodara	25	45	20r	good	fair
255	Pinus halepensis	23	40	15N	fair	fair
281	Schinus terebinthifolius	8,8 @ 2'	20	10r	good	fair
282	Jacaranda mimosifolia	17 @ 2'	40	15r	good	fair
283	Ligustrum japonicum	~12,10	28	12r	good	poor
284	Ligustrum japonicum	24 @ 2'	35	12r	good	poor
285	Phoenix sp.	~18 @ 3'	40	10r	good	good
286	Phoenix canariensis	32.5	35	10r	good	good
287	Ficus macrophylla	73	70	40r	good	good
288	Phoenix sp.	17	18	10r	good	good
289	Pinus pinea	25,23	40	30E	fair	fair
290	Washingtonia robusta	16	50	6r	good	good
291	Schinus molle	27 @ 3'	35	20r	good	fair
292	Trachycarpus fortunei	8	18	4r	good	good
293	Trachycarpus fortunei	8	20	4r	good	good

FIELD INVENTORY DATA SHEET C-5

Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
87	Juglans regia	9,8,8 @ 2'	30	10r	fair	fair
189	Pinus pinea	26	30	30N,25W	poor	fair
190	Heteromeles arbutifolia	~8,4,3,3	18	~8r	good	fair
191	Pinus halepensis	19	22	15r	fair	poor
192	Pinus halepensis	18	40	12r	fair	fair
193	Pinus halepensis	~30 @ 2'	50	25r	good	fair
194	Pinus halepensis	24	40	15r	good	fair
195	Pinus halepensis	18	40	12r	good	fair
196	Pinus halepensis	31 @ 3'	60	25r	good	fair
197	Pinus halepensis	13	30	12r	good	fair
213	Pinus halepensis	27	70	25r	good	good
214	Pinus halepensis	20	60	20r	good	good
215	Quercus agrifolia	12 @ 1'	25	15r	fair	good
216	Eucalyptus camaldulensis	19,5,5,4	50	8r	fair	fair
217	Heteromeles arbutifolia	7,5,5,5,3 @ 3'	20	8r	fair	good
218	Schinus molle	26,19	25	18r	fair	fair
219	Schinus molle	12,11	20	12r	fair	fair
220	Corymbia maculata	17	25	2r	good	good
221	Corymbia maculata	20.5	40	12r	good	good
222	Heteromeles arbutifolia	13,11,5,11,7	28	14r	fair	good
223	Schinus molle	~48 @ grade	28	20r	fair	poor
224	Pinus halepensis	18	48	30N	fair	fair
225	Pinus halepensis	24	55	30W	fair	fair
226	Schinus molle	~28 @ 1.5'	30	15r	fair	fair
227	Pinus halepensis	19.5	48	20r	fair	good
228	Grevillea robusta	19	40	10r	fair	very poor
229	Pinus halepensis	16.5	40	30W	fair	poor
230	Ulmus parvifolia	10.5	30	10r	poor	good
231	Schinus molle	~16,7 @ 2'	25	12r	good	very poor
232	Ulmus parvifolia	11.5,9	30	20W	poor	poor
233	Schinus molle	10 @ 3'	25	12S	fair	poor
234	Schinus molle	26,15 @ 5'	35	20r	good	poor
235	Schinus molle	19	30	6r	good	poor
236	Ulmus parvifolia	19	35	15r	fair	fair
237	Ulmus parvifolia	19	35	15r	fair	fair
238	Ulmus parvifolia	18.5	38	15r	fair	fair
239	Ulmus parvifolia	17	35	15r	fair	fair

* Diameter measured at the standard height of 4.5-feet above grade, unless otherwise specified.
** Height is estimated in feet.
*** For impacted protected trees, canopy is the distance to the North/East/South/West. "r" indicates canopy as a radius estimated in feet.

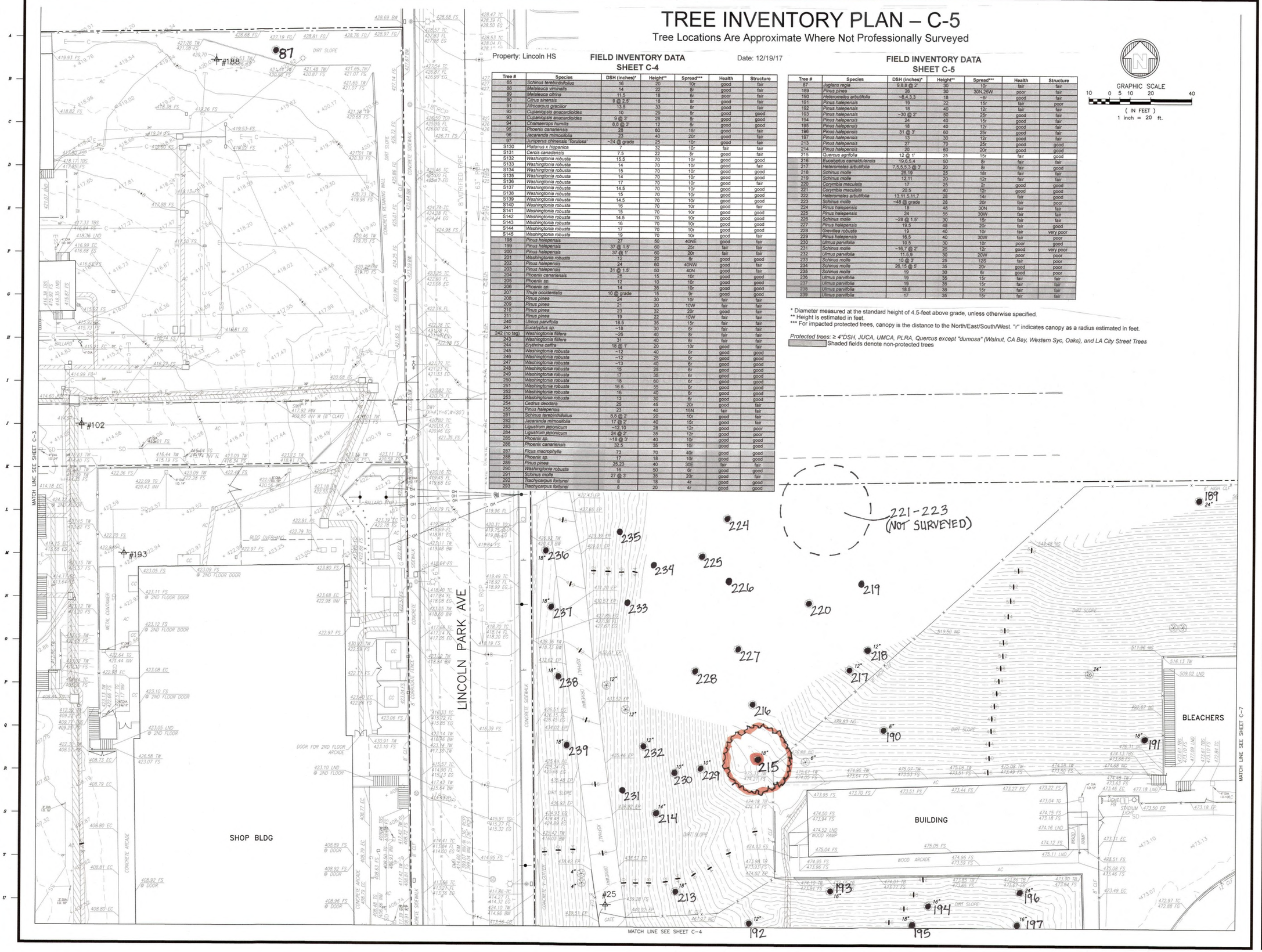
Protected trees: ≥ 4"DSH, JUCA, UMCA, PLRA, Quercus except "dumosa" (Walnut, CA Bay, Western Syc, Oaks), and LA City Street Trees

Shaded fields denote non-protected trees

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 20 ft.



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PROJECT TITLE AND SCHOOL LOCATION

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STAMPS/SEALS

JAN C. SCOW ASCA AMERICAN SOCIETY OF CONSULTING ARBORISTS Registered Consulting Arborist #362

DIVISION OF THE STATE ARCHITECT

12/27/17

Jan C. Scow Consulting Arborists, LLC
1744-B Franklin Street
Santa Monica, CA 90404

TREE INVENTORY PLAN – C-5

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.: LAU0137-06	PROJECT ARCH:
DRAWN: KT	CHECKED: JG

SHEET NUMBER

C-5

DATE: 6/30/2017 SHEET: 5 OF: 7

TREE INVENTORY PLAN – C-6

Tree Locations Are Approximate Where Not Professionally Surveyed

Property: Lincoln HS

FIELD INVENTORY DATA
SHEET C-6

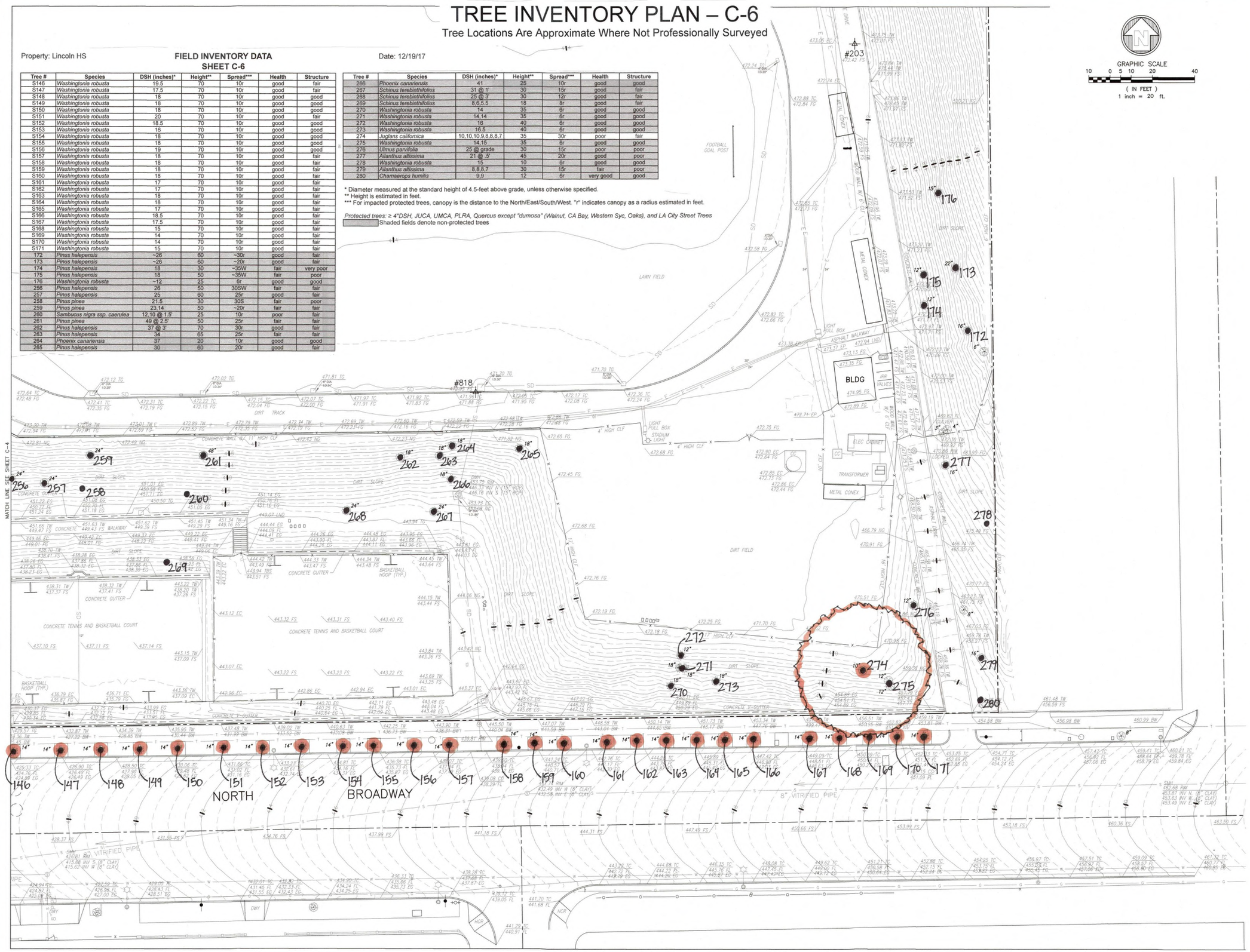
Date: 12/19/17

Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
S146	*Washingtonia robusta*	19.5	70	10r	good	fair
S147	*Washingtonia robusta*	17.5	70	10r	good	fair
S148	*Washingtonia robusta*	18	70	10r	good	good
S149	*Washingtonia robusta*	18	70	10r	good	good
S150	*Washingtonia robusta*	18	70	10r	good	good
S151	*Washingtonia robusta*	20	70	10r	good	fair
S152	*Washingtonia robusta*	18.5	70	10r	good	good
S153	*Washingtonia robusta*	16	70	10r	good	good
S154	*Washingtonia robusta*	18	70	10r	good	good
S155	*Washingtonia robusta*	18	70	10r	good	good
S156	*Washingtonia robusta*	19	70	10r	good	good
S157	*Washingtonia robusta*	18	70	10r	good	fair
S158	*Washingtonia robusta*	18	70	10r	good	fair
S159	*Washingtonia robusta*	18	70	10r	good	fair
S160	*Washingtonia robusta*	18	70	10r	good	fair
S161	*Washingtonia robusta*	17	70	10r	good	fair
S162	*Washingtonia robusta*	17	70	10r	good	fair
S163	*Washingtonia robusta*	18	70	10r	good	fair
S164	*Washingtonia robusta*	18	70	10r	good	fair
S165	*Washingtonia robusta*	17	70	10r	good	fair
S166	*Washingtonia robusta*	18.5	70	10r	good	fair
S167	*Washingtonia robusta*	17.5	70	10r	good	fair
S168	*Washingtonia robusta*	15	70	10r	good	fair
S169	*Washingtonia robusta*	14	70	10r	good	fair
S170	*Washingtonia robusta*	14	70	10r	good	fair
S171	*Washingtonia robusta*	15	70	10r	good	fair
172	*Pinus halepensis*	~26	60	~30r	good	fair
173	*Pinus halepensis*	~26	60	~20r	good	fair
174	*Pinus halepensis*	18	30	~35W	fair	very poor
175	*Pinus halepensis*	18	50	~35W	fair	poor
176	*Washingtonia robusta*	~12	25	6r	good	good
256	*Pinus halepensis*	26	50	30SW	fair	fair
257	*Pinus halepensis*	25	60	25r	good	fair
258	*Pinus pinea*	21.5	30	30S	fair	poor
259	*Pinus pinea*	23,14	50	~20r	fair	fair
260	*Sambucus nigra ssp. caerulea*	12,10 @ 1.5'	25	10r	poor	fair
261	*Pinus pinea*	49 @ 2.5'	50	25r	fair	fair
262	*Pinus halepensis*	37 @ 3'	70	30r	good	fair
263	*Pinus halepensis*	34	65	25r	fair	fair
264	*Phoenix canariensis*	37	20	10r	good	good
265	*Pinus halepensis*	30	60	20r	good	fair

Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
266	*Phoenix canariensis*	41	25	10r	good	good
267	*Schinus terebinthifolius*	31 @ 1'	30	15r	good	fair
268	*Schinus terebinthifolius*	25 @ 3'	30	12r	good	fair
269	*Schinus terebinthifolius*	8,6,5,5	18	8r	good	fair
270	*Washingtonia robusta*	14	35	6r	good	good
271	*Washingtonia robusta*	14,14	35	6r	good	good
272	*Washingtonia robusta*	16	40	6r	good	good
273	*Washingtonia robusta*	16.5	40	6r	good	good
274	*Juglans californica*	10,10,10,9,8,8,8,7	35	30r	poor	fair
275	*Washingtonia robusta*	14,15	35	6r	good	good
276	*Ulmus parvifolia*	25 @ grade	30	15r	poor	poor
277	*Ailanthus altissima*	21 @ .5'	45	20r	good	poor
278	*Washingtonia robusta*	15	10	6r	good	good
279	*Ailanthus altissima*	8,8,8,7	30	15r	fair	poor
280	*Chamaerops humilis*	9,9	12	6r	very good	good

* Diameter measured at the standard height of 4.5-feet above grade, unless otherwise specified.
** Height is estimated in feet.
*** For impacted protected trees, canopy is the distance to the North/East/South/West. "r" indicates canopy as a radius estimated in feet.

Protected trees: ≥ 4"DSH, JUCA, UMCA, PLRA, Quercus except "dumosa" (Walnut, CA Bay, Western Syc, Oaks), and LA City Street Trees
Shaded fields denote non-protected trees



LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E
TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
Tel: (213)241-4254
Fax: (213)241-4199

PROJECT TITLE AND SCHOOL LOCATION

ABRAHAM LINCOLN HIGH SCHOOL
3501 N BROADWAY
LOS ANGELES, CA 90031

COMMISSIONED ARCHITECT

CONSULTANT

14841 Yorba Street, Suite 201
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STAMPS/SEALS

DIVISION OF THE STATE ARCHITECT

Jan C. Scow Consulting Arborists, LLC
1744-B Franklin Street
Santa Monica, CA 90404

TREE INVENTORY PLAN – C-6

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.: LAU0137-06	PROJECT ARCH:
DRAWN: KT	CHECKED: JG

SHEET NUMBER

C-6

DATE: 6/30/2017 SHEET: 6 OF: 7

TREE INVENTORY PLAN – C-7

Tree Locations Are Approximate Where Not Professionally Surveyed

Property: Lincoln HS

FIELD INVENTORY DATA
SHEET C-7

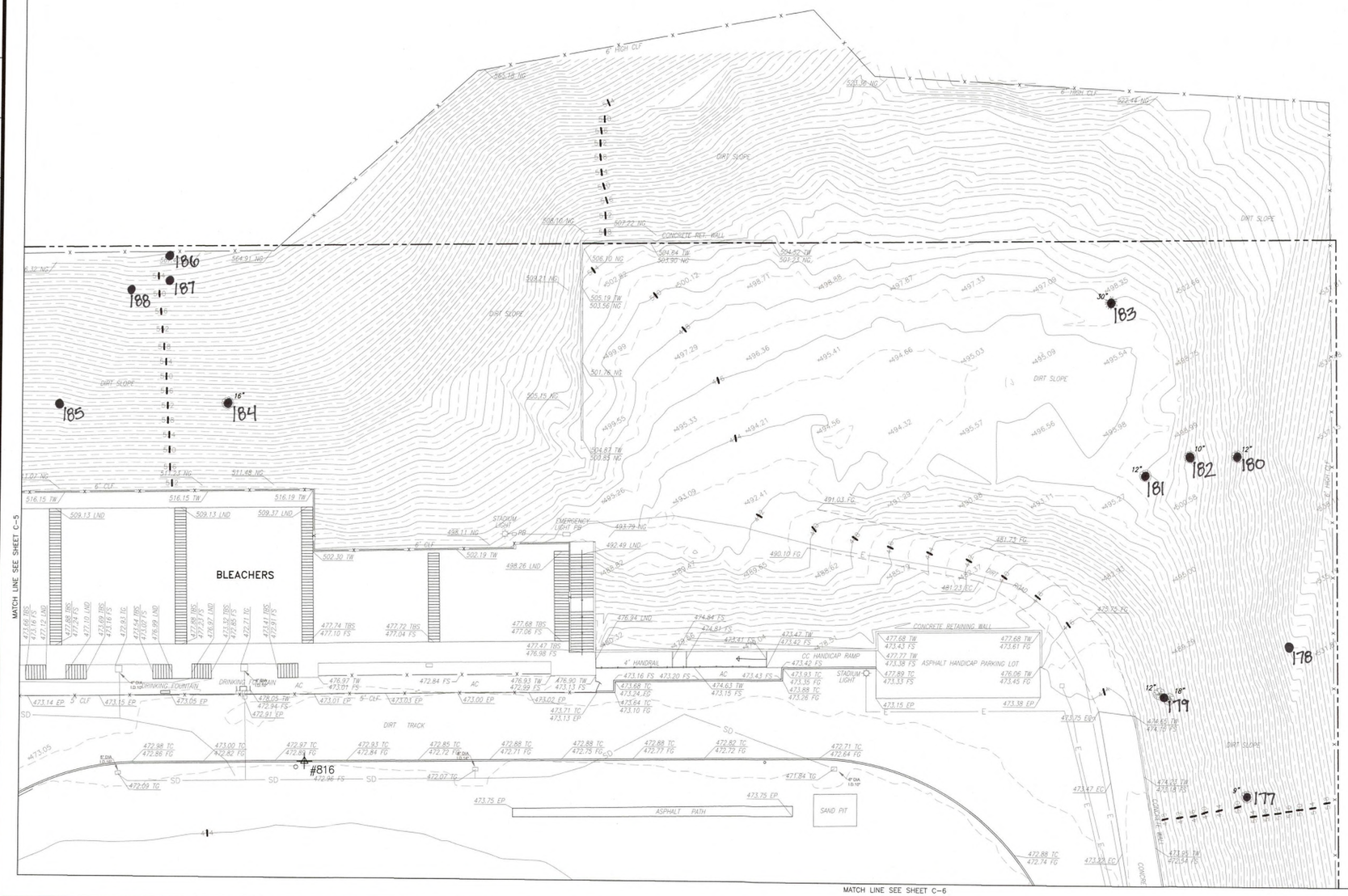
Date: 12/19/17

Tree #	Species	DSH (inches)*	Height**	Spread***	Health	Structure
177	*Pinus canariensis*	10	40	~8r	fair	good
178 (no tag)	*Phoenix canariensis*	~26	8	10W	poor	very poor
179	*Schinus molle*	~22,14,14,12	35	21r	good	fair
180	*Pinus canariensis*	14 @ 3'	30	10r	fair	poor
181	*Washingtonia robusta*	14	40	6r	good	good
182	*Pinus canariensis*	11 @ 2'	40	8r	fair	fair
183	*Phoenix canariensis*	~28	10	10r	good	good
184	*Pinus canariensis*	17	50	~15r	good	fair
185	*Heteromeles arbutifolia*	8 @ 2'	20	~10r	good	fair
186	*Pinus pinea*	20.5 @ 3'	30	40N	fair	very poor
187	*Schinus molle*	~12,7,5,5 @ 2'	15	12r	fair	fair
188	*Pinus halepensis*	8	20	30NE	fair	poor

* Diameter measured at the standard height of 4.5-feet above grade, unless otherwise specified.
** Height is estimated in feet.
*** For impacted protected trees, canopy is the distance to the North/East/South/West. "r" indicates canopy as a radius estimated in feet.

Protected trees: ≥ 4"DSH, JUCA, UMCA, PLRA, Quercus except "dumosa" (Walnut, CA Bay, Western Syc, Oaks), and LA City Street Trees
Shaded fields denote non-protected trees

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 20 ft.



LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
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STAMPS/SEALS

JAN C. SCOW ASCA AMERICAN SOCIETY OF CONSULTING ARBORISTS Registered Consulting Arborist #392

DIVISION OF THE STATE ARCHITECT

12/27/17

Jan C. Scow Consulting Arborists, LLC
1744-B Franklin Street
Santa Monica, CA 90404

TREE INVENTORY PLAN – C-7

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.: LAU0137-06 | PROJECT ARCH:
DRAWN: KT | CHECKED: JG
SHEET NUMBER

C-7

DATE: 6/30/2017 | SHEET: 7 OF: 7

APPENDIX D

Air Quality: CalEEMod Emission Results

Lincoln HS

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	1,100.00	Student	3.35	210,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SF - Remodel+New Construction

Construction Phase - Reference Table 3

Off-road Equipment -

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Trips and VMT - Refer to Table 3

Demolition -

Grading - Material exported per Table 3

Architectural Coating - New and remodeled buildings Area

Construction Off-road Equipment Mitigation - Average Tier 4 engines used

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	88.00
tblGrading	AcresOfGrading	0.00	4.00
tblGrading	MaterialExported	0.00	630.00
tblLandUse	LandUseSquareFeet	145,927.08	210,217.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.0850	19.0599	22.3513	0.0485	2.6742	0.8224	3.4966	0.4360	0.7948	1.2308	0.0000	4,758.3813	4,758.3813	0.7341	0.0000	4,776.7328
2023	1.5455	14.7681	16.9462	0.0360	0.7530	0.7074	1.4604	0.1194	0.6517	0.7710	0.0000	3,563.4150	3,563.4150	0.8937	0.0000	3,585.7566
2024	2.5889	21.7696	26.2556	0.0658	1.2013	0.8561	2.0575	0.3235	0.8098	1.1333	0.0000	6,416.4977	6,416.4977	1.1665	0.0000	6,445.6600
2025	2.4394	20.3741	25.9159	0.0654	1.2013	0.7473	1.9486	0.3235	0.7065	1.0301	0.0000	6,376.6714	6,376.6714	1.1581	0.0000	6,405.6234

2026	24.7978	21.5172	28.0405	0.0698	1.4025	0.7999	2.2024	0.3769	0.7591	1.1360	0.0000	6,794.5487	6,794.5487	1.1749	0.0000	6,823.9210
2027	0.8721	7.8898	11.1684	0.0252	0.3260	0.2907	0.6167	0.0888	0.2675	0.3563	0.0000	2,487.7653	2,487.7653	0.6359	0.0000	2,503.6626
Maximum	**24.7978**	**21.7696**	**28.0405**	**0.0698**	**2.6742**	**0.8561**	**3.4966**	**0.4360**	**0.8098**	**1.2308**	**0.0000**	**6,794.5487**	**6,794.5487**	**1.1749**	**0.0000**	**6,823.9210**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.5715	4.6721	25.2628	0.0485	1.3327	0.0656	1.3983	0.2328	0.0652	0.2980	0.0000	4,758.3812	4,758.3812	0.7341	0.0000	4,776.7328
2023	0.4339	3.0718	19.1529	0.0360	0.4564	0.0477	0.5041	0.0871	0.0475	0.1346	0.0000	3,563.4150	3,563.4150	0.8937	0.0000	3,585.7566
2024	0.9611	5.8804	31.4024	0.0658	1.2013	0.0841	1.2854	0.3235	0.0834	0.4069	0.0000	6,416.4977	6,416.4977	1.1665	0.0000	6,445.6600
2025	0.9435	5.8438	31.1841	0.0654	1.2013	0.0839	1.2852	0.3235	0.0832	0.4068	0.0000	6,376.6714	6,376.6714	1.1581	0.0000	6,405.6234
2026	23.1607	5.9702	33.3320	0.0698	1.4025	0.0890	1.4915	0.3769	0.0882	0.4651	0.0000	6,794.5487	6,794.5487	1.1749	0.0000	6,823.9210
2027	0.3312	2.1555	13.5342	0.0252	0.3260	0.0345	0.3605	0.0888	0.0344	0.1232	0.0000	2,487.7653	2,487.7653	0.6359	0.0000	2,503.6626
Maximum	**23.1607**	**5.9702**	**33.3320**	**0.0698**	**1.4025**	**0.0890**	**1.4915**	**0.3769**	**0.0882**	**0.4651**	**0.0000**	**6,794.5487**	**6,794.5487**	**1.1749**	**0.0000**	**6,823.9210**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**23.09**	**73.81**	**-17.75**	**0.00**	**21.67**	**90.42**	**46.32**	**14.11**	**89.93**	**67.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	12/30/2022	5	20	
2	Grading	Grading	1/1/2023	12/30/2023	5	8	
3	Building Construction	Building Construction	1/1/2024	12/30/2026	5	230	
4	Architectural Coating	Architectural Coating	9/1/2026	12/31/2026	5	88	
5	Paving	Paving	1/1/2027	3/30/2027	5	18	

Acres of Grading (Grading Phase): 4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 315,326; Non-Residential Outdoor: 105,109; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Off-Highway Trucks	1	4.00	402	0.38
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	0.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	7.00	231	0.29

Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	4.00	402	0.38
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	0.00	9	0.56
Paving	Off-Highway Trucks	1	4.00	402	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	1	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	15.00	0.00	225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	15.00	0.00	79.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	88.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	20.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4391	0.0000	2.4391	0.3693	0.0000	0.3693			0.0000			0.0000
Off-Road	1.9355	16.2166	21.0935	0.0382		0.8130	0.8130		0.7859	0.7859		3,652.5851	3,652.5851	0.6659		3,669.2316
Total	**1.9355**	**16.2166**	**21.0935**	**0.0382**	**2.4391**	**0.8130**	**3.2521**	**0.3693**	**0.7859**	**1.1552**		**3,652.5851**	**3,652.5851**	**0.6659**		**3,669.2316**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0893	2.8034	0.7004	8.6600e-003	0.0674	8.0500e-003	0.0755	0.0222	7.7000e-003	0.0299		940.9893	940.9893	0.0637		942.5807
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.1495**	**2.8433**	**1.2578**	**0.0103**	**0.2351**	**9.3600e-003**	**0.2445**	**0.0667**	**8.9100e-003**	**0.0756**		**1,105.7962**	**1,105.7962**	**0.0682**		**1,107.5013**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0976	0.0000	1.0976	0.1662	0.0000	0.1662			0.0000			0.0000
Off-Road	0.4220	1.8288	24.0051	0.0382		0.0563	0.0563		0.0563	0.0563	0.0000	3,652.5851	3,652.5851	0.6659		3,669.2316
Total	**0.4220**	**1.8288**	**24.0051**	**0.0382**	**1.0976**	**0.0563**	**1.1539**	**0.1662**	**0.0563**	**0.2225**	**0.0000**	**3,652.5851**	**3,652.5851**	**0.6659**		**3,669.2316**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0893	2.8034	0.7004	8.6600e-003	0.0674	8.0500e-003	0.0755	0.0222	7.7000e-003	0.0299		940.9893	940.9893	0.0637		942.5807
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	**0.1495**	**2.8433**	**1.2578**	**0.0103**	**0.2351**	**9.3600e-003**	**0.2445**	**0.0667**	**8.9100e-003**	**0.0756**		**1,105.7962**	**1,105.7962**	**0.0682**		**1,107.5013**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5392	0.0000	0.5392	0.0586	0.0000	0.0586			0.0000			0.0000
Off-Road	1.4376	13.1086	15.8717	0.0271		0.7032	0.7032		0.6477	0.6477		2,613.0975	2,613.0975	0.8376		2,634.0364
Total	**1.4376**	**13.1086**	**15.8717**	**0.0271**	**0.5392**	**0.7032**	**1.2423**	**0.0586**	**0.6477**	**0.7063**		**2,613.0975**	**2,613.0975**	**0.8376**		**2,634.0364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0514	1.6234	0.5612	7.2700e-003	0.0461	2.9400e-003	0.0491	0.0163	2.8100e-003	0.0191		791.5453	791.5453	0.0520		792.8453
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.1080**	**1.6595**	**1.0745**	**8.8600e-003**	**0.2138**	**4.2200e-003**	**0.2180**	**0.0608**	**3.9800e-003**	**0.0647**		**950.3176**	**950.3176**	**0.0561**		**951.7202**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2426	0.0000	0.2426	0.0264	0.0000	0.0264			0.0000			0.0000
Off-Road	0.3259	1.4124	18.0784	0.0271		0.0435	0.0435		0.0435	0.0435	0.0000	2,613.0975	2,613.0975	0.8376		2,634.0364
Total	**0.3259**	**1.4124**	**18.0784**	**0.0271**	**0.2426**	**0.0435**	**0.2861**	**0.0264**	**0.0435**	**0.0698**	**0.0000**	**2,613.0975**	**2,613.0975**	**0.8376**		**2,634.0364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0514	1.6234	0.5612	7.2700e-003	0.0461	2.9400e-003	0.0491	0.0163	2.8100e-003	0.0191		791.5453	791.5453	0.0520		792.8453
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	**0.1080**	**1.6595**	**1.0745**	**8.8600e-003**	**0.2138**	**4.2200e-003**	**0.2180**	**0.0608**	**3.9800e-003**	**0.0647**		**950.3176**	**950.3176**	**0.0561**		**951.7202**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2047	19.2035	22.7332	0.0484		0.8460	0.8460		0.8004	0.8004		4,620.2570	4,620.2570	1.0980		4,647.7064
Total	**2.2047**	**19.2035**	**22.7332**	**0.0484**		**0.8460**	**0.8460**		**0.8004**	**0.8004**		**4,620.2570**	**4,620.2570**	**1.0980**		**4,647.7064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0702	2.3728	0.7149	8.3400e-003	0.2177	2.7200e-003	0.2204	0.0627	2.6000e-003	0.0653		893.6439	893.6439	0.0464		894.8049
Worker	0.3139	0.1932	2.8074	9.0500e-003	0.9836	7.3700e-003	0.9910	0.2609	6.7900e-003	0.2677		902.5969	902.5969	0.0221		903.1487

Total	**0.3841**	**2.5661**	**3.5223**	**0.0174**	**1.2013**	**0.0101**	**1.2114**	**0.3235**	**9.3900e-003**	**0.3329**		**1,796.2407**	**1,796.2407**	**0.0685**		**1,797.9536**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5770	3.3143	27.8801	0.0484		0.0740	0.0740		0.0740	0.0740	0.0000	4,620.2570	4,620.2570	1.0980		4,647.7064
Total	**0.5770**	**3.3143**	**27.8801**	**0.0484**		**0.0740**	**0.0740**		**0.0740**	**0.0740**	**0.0000**	**4,620.2570**	**4,620.2570**	**1.0980**		**4,647.7064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0702	2.3728	0.7149	8.3400e-003	0.2177	2.7200e-003	0.2204	0.0627	2.6000e-003	0.0653		893.6439	893.6439	0.0464		894.8049
Worker	0.3139	0.1932	2.8074	9.0500e-003	0.9836	7.3700e-003	0.9910	0.2609	6.7900e-003	0.2677		902.5969	902.5969	0.0221		903.1487
Total	**0.3841**	**2.5661**	**3.5223**	**0.0174**	**1.2013**	**0.0101**	**1.2114**	**0.3235**	**9.3900e-003**	**0.3329**		**1,796.2407**	**1,796.2407**	**0.0685**		**1,797.9536**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0729	17.8446	22.6119	0.0484		0.7374	0.7374		0.6973	0.6973		4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**2.0729**	**17.8446**	**22.6119**	**0.0484**		**0.7374**	**0.7374**		**0.6973**	**0.6973**		**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0685	2.3527	0.6966	8.2800e-003	0.2177	2.6800e-003	0.2204	0.0627	2.5600e-003	0.0652		888.7198	888.7198	0.0458		889.8646
Worker	0.2981	0.1768	2.6074	8.7000e-003	0.9836	7.2200e-003	0.9909	0.2609	6.6500e-003	0.2675		867.6228	867.6228	0.0201		868.1262
Total	**0.3665**	**2.5295**	**3.3040**	**0.0170**	**1.2013**	**9.9000e-003**	**1.2112**	**0.3235**	**9.2100e-003**	**0.3328**		**1,756.3426**	**1,756.3426**	**0.0659**		**1,757.9908**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.5770	3.3143	27.8801	0.0484		0.0740	0.0740		0.0740	0.0740	0.0000	4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**0.5770**	**3.3143**	**27.8801**	**0.0484**		**0.0740**	**0.0740**		**0.0740**	**0.0740**	**0.0000**	**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0685	2.3527	0.6966	8.2800e-003	0.2177	2.6800e-003	0.2204	0.0627	2.5600e-003	0.0652		888.7198	888.7198	0.0458		889.8646
Worker	0.2981	0.1768	2.6074	8.7000e-003	0.9836	7.2200e-003	0.9909	0.2609	6.6500e-003	0.2675		867.6228	867.6228	0.0201		868.1262
Total	**0.3665**	**2.5295**	**3.3040**	**0.0170**	**1.2013**	**9.9000e-003**	**1.2112**	**0.3235**	**9.2100e-003**	**0.3328**		**1,756.3426**	**1,756.3426**	**0.0659**		**1,757.9908**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0729	17.8446	22.6119	0.0484		0.7374	0.7374		0.6973	0.6973		4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**2.0729**	**17.8446**	**22.6119**	**0.0484**		**0.7374**	**0.7374**		**0.6973**	**0.6973**		**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0669	2.3309	0.6825	8.2300e-003	0.2177	2.6200e-003	0.2203	0.0627	2.5100e-003	0.0652		883.9915	883.9915	0.0451		885.1200
Worker	0.2844	0.1629	2.4383	8.4000e-003	0.9836	6.9800e-003	0.9906	0.2609	6.4200e-003	0.2673		837.4781	837.4781	0.0185		837.9398
Total	**0.3513**	**2.4938**	**3.1208**	**0.0166**	**1.2013**	**9.6000e-003**	**1.2109**	**0.3235**	**8.9300e-003**	**0.3325**		**1,721.4695**	**1,721.4695**	**0.0636**		**1,723.0598**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5770	3.3143	27.8801	0.0484		0.0740	0.0740		0.0740	0.0740	0.0000	4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**0.5770**	**3.3143**	**27.8801**	**0.0484**		**0.0740**	**0.0740**		**0.0740**	**0.0740**	**0.0000**	**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0669	2.3309	0.6825	8.2300e-003	0.2177	2.6200e-003	0.2203	0.0627	2.5100e-003	0.0652		883.9915	883.9915	0.0451		885.1200
Worker	0.2844	0.1629	2.4383	8.4000e-003	0.9836	6.9800e-003	0.9906	0.2609	6.4200e-003	0.2673		837.4781	837.4781	0.0185		837.9398
Total	**0.3513**	**2.4938**	**3.1208**	**0.0166**	**1.2013**	**9.6000e-003**	**1.2109**	**0.3235**	**8.9300e-003**	**0.3325**		**1,721.4695**	**1,721.4695**	**0.0636**		**1,723.0598**

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.1445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**22.3154**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0333	0.4987	1.7200e-003	0.2012	1.4300e-003	0.2026	0.0534	1.3100e-003	0.0547		171.3023	171.3023	3.7800e-003		171.3968

Total	**0.0582**	**0.0333**	**0.4987**	**1.7200e-003**	**0.2012**	**1.4300e-003**	**0.2026**	**0.0534**	**1.3100e-003**	**0.0547**		**171.3023**	**171.3023**	**3.7800e-003**		**171.3968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.1445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**22.1742**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0333	0.4987	1.7200e-003	0.2012	1.4300e-003	0.2026	0.0534	1.3100e-003	0.0547		171.3023	171.3023	3.7800e-003		171.3968
Total	**0.0582**	**0.0333**	**0.4987**	**1.7200e-003**	**0.2012**	**1.4300e-003**	**0.2026**	**0.0534**	**1.3100e-003**	**0.0547**		**171.3023**	**171.3023**	**3.7800e-003**		**171.3968**

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7796	6.7686	10.3329	0.0195		0.2880	0.2880		0.2649	0.2649		1,889.4891	1,889.4891	0.6111		1,904.7666
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7796**	**6.7686**	**10.3329**	**0.0195**		**0.2880**	**0.2880**		**0.2649**	**0.2649**		**1,889.4891**	**1,889.4891**	**0.6111**		**1,904.7666**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	1.0870	0.3159	3.8500e-003	0.1025	1.2100e-003	0.1037	0.0295	1.1600e-003	0.0307		414.0050	414.0050	0.0209		414.5285
Worker	0.0616	0.0342	0.5197	1.8500e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		184.2712	184.2712	3.8500e-003		184.3675
Total	**0.0925**	**1.1212**	**0.8356**	**5.7000e-003**	**0.3260**	**2.7100e-003**	**0.3287**	**0.0888**	**2.5400e-003**	**0.0913**		**598.2762**	**598.2762**	**0.0248**		**598.8960**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2387	1.0343	12.6987	0.0195		0.0318	0.0318		0.0318	0.0318	0.0000	1,889.4891	1,889.4891	0.6111		1,904.7666
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2387**	**1.0343**	**12.6987**	**0.0195**		**0.0318**	**0.0318**		**0.0318**	**0.0318**	**0.0000**	**1,889.4891**	**1,889.4891**	**0.6111**		**1,904.7666**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	1.0870	0.3159	3.8500e-003	0.1025	1.2100e-003	0.1037	0.0295	1.1600e-003	0.0307		414.0050	414.0050	0.0209		414.5285
Worker	0.0616	0.0342	0.5197	1.8500e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		184.2712	184.2712	3.8500e-003		184.3675
Total	**0.0925**	**1.1212**	**0.8356**	**5.7000e-003**	**0.3260**	**2.7100e-003**	**0.3287**	**0.0888**	**2.5400e-003**	**0.0913**		**598.2762**	**598.2762**	**0.0248**		**598.8960**

Lincoln HS

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	1,100.00	Student	3.35	210,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SF - Remodel+New Construction

Construction Phase - Reference Table 3

Off-road Equipment -

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Trips and VMT - Refer to Table 3

Demolition -

Grading - Material exported per Table 3

Architectural Coating - New and remodeled buildings Area

Construction Off-road Equipment Mitigation - Average Tier 4 engines used

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	88.00
tblGrading	AcresOfGrading	0.00	4.00
tblGrading	MaterialExported	0.00	630.00
tblLandUse	LandUseSquareFeet	145,927.08	210,217.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.0941	19.0962	22.3434	0.0482	2.6742	0.8225	3.4967	0.4360	0.7949	1.2309	0.0000	4,732.3143	4,732.3143	0.7360	0.0000	4,750.7133
2023	1.5535	14.7833	16.9245	0.0358	0.7530	0.7075	1.4604	0.1194	0.6518	0.7711	0.0000	3,540.3983	3,540.3983	0.8949	0.0000	3,562.7707
2024	2.6309	21.7799	26.0660	0.0651	1.2013	0.8563	2.0576	0.3235	0.8099	1.1334	0.0000	6,339.6992	6,339.6992	1.1678	0.0000	6,368.8929
2025	2.4804	20.3827	25.7405	0.0647	1.2013	0.7474	1.9487	0.3235	0.7067	1.0302	0.0000	6,302.2081	6,302.2081	1.1594	0.0000	6,331.1919

2026	24.8456	21.5279	27.8313	0.0690	1.4025	0.8000	2.2025	0.3769	0.7592	1.1361	0.0000	6,712.1196	6,712.1196	1.1759	0.0000	6,741.5180
2027	0.8818	7.8886	11.1483	0.0250	0.3260	0.2907	0.6167	0.0888	0.2675	0.3563	0.0000	2,466.0106	2,466.0106	0.6368	0.0000	2,481.9298
Maximum	**24.8456**	**21.7799**	**27.8313**	**0.0690**	**2.6742**	**0.8563**	**3.4967**	**0.4360**	**0.8099**	**1.2309**	**0.0000**	**6,712.1196**	**6,712.1196**	**1.1759**	**0.0000**	**6,741.5180**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.5806	4.7084	25.2549	0.0482	1.3327	0.0658	1.3984	0.2328	0.0653	0.2981	0.0000	4,732.3143	4,732.3143	0.7360	0.0000	4,750.7133
2023	0.4419	3.0871	19.1313	0.0358	0.4564	0.0478	0.5042	0.0871	0.0475	0.1346	0.0000	3,540.3983	3,540.3983	0.8949	0.0000	3,562.7707
2024	1.0031	5.8907	31.2128	0.0651	1.2013	0.0842	1.2856	0.3235	0.0835	0.4071	0.0000	6,339.6992	6,339.6992	1.1678	0.0000	6,368.8929
2025	0.9845	5.8524	31.0087	0.0647	1.2013	0.0840	1.2853	0.3235	0.0833	0.4069	0.0000	6,302.2081	6,302.2081	1.1594	0.0000	6,331.1919
2026	23.2085	5.9809	33.1228	0.0690	1.4025	0.0891	1.4916	0.3769	0.0883	0.4652	0.0000	6,712.1196	6,712.1196	1.1759	0.0000	6,741.5180
2027	0.3409	2.1544	13.5141	0.0250	0.3260	0.0346	0.3606	0.0888	0.0344	0.1232	0.0000	2,466.0106	2,466.0106	0.6368	0.0000	2,481.9298
Maximum	**23.2085**	**5.9809**	**33.1228**	**0.0690**	**1.4025**	**0.0891**	**1.4916**	**0.3769**	**0.0883**	**0.4652**	**0.0000**	**6,712.1196**	**6,712.1196**	**1.1759**	**0.0000**	**6,741.5180**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**22.99**	**73.76**	**-17.83**	**0.00**	**21.67**	**90.40**	**46.31**	**14.11**	**89.92**	**67.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	12/30/2022	5	20	
2	Grading	Grading	1/1/2023	12/30/2023	5	8	
3	Building Construction	Building Construction	1/1/2024	12/30/2026	5	230	
4	Architectural Coating	Architectural Coating	9/1/2026	12/31/2026	5	88	
5	Paving	Paving	1/1/2027	3/30/2027	5	18	

Acres of Grading (Grading Phase): 4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 315,326; Non-Residential Outdoor: 105,109; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Off-Highway Trucks	1	4.00	402	0.38
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	0.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	7.00	231	0.29

Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	4.00	402	0.38
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	0.00	9	0.56
Paving	Off-Highway Trucks	1	4.00	402	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	1	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	15.00	0.00	225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	15.00	0.00	79.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	88.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	20.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4391	0.0000	2.4391	0.3693	0.0000	0.3693			0.0000			0.0000
Off-Road	1.9355	16.2166	21.0935	0.0382		0.8130	0.8130		0.7859	0.7859		3,652.5851	3,652.5851	0.6659		3,669.2316
Total	**1.9355**	**16.2166**	**21.0935**	**0.0382**	**2.4391**	**0.8130**	**3.2521**	**0.3693**	**0.7859**	**1.1552**		**3,652.5851**	**3,652.5851**	**0.6659**		**3,669.2316**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0914	2.8354	0.7411	8.5100e-003	0.0674	8.1700e-003	0.0756	0.0222	7.8200e-003	0.0300		924.5438	924.5438	0.0658		926.1895
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.1586**	**2.8796**	**1.2499**	**0.0101**	**0.2351**	**9.4800e-003**	**0.2446**	**0.0667**	**9.0300e-003**	**0.0757**		**1,079.7293**	**1,079.7293**	**0.0701**		**1,081.4817**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0976	0.0000	1.0976	0.1662	0.0000	0.1662			0.0000			0.0000
Off-Road	0.422	1.8288	24.0051	0.0382		0.0563	0.0563		0.0563	0.0563	0.0000	3,652.5851	3,652.5851	0.6659		3,669.2316
Total	**0.4220**	**1.8288**	**24.0051**	**0.0382**	**1.0976**	**0.0563**	**1.1539**	**0.1662**	**0.0563**	**0.2225**	**0.0000**	**3,652.5851**	**3,652.5851**	**0.6659**		**3,669.2316**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0914	2.8354	0.7411	8.5100e-003	0.0674	8.1700e-003	0.0756	0.0222	7.8200e-003	0.0300		924.5438	924.5438	0.0658		926.1895
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	**0.1586**	**2.8796**	**1.2499**	**0.0101**	**0.2351**	**9.4800e-003**	**0.2446**	**0.0667**	**9.0300e-003**	**0.0757**		**1,079.7293**	**1,079.7293**	**0.0701**		**1,081.4817**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5392	0.0000	0.5392	0.0586	0.0000	0.0586			0.0000			0.0000
Off-Road	1.4376	13.1086	15.8717	0.0271		0.7032	0.7032		0.6477	0.6477		2,613.0975	2,613.0975	0.8376		2,634.0364
Total	**1.4376**	**13.1086**	**15.8717**	**0.0271**	**0.5392**	**0.7032**	**1.2423**	**0.0586**	**0.6477**	**0.7063**		**2,613.0975**	**2,613.0975**	**0.8376**		**2,634.0364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0527	1.6348	0.5852	7.1400e-003	0.0461	3.0200e-003	0.0492	0.0163	2.8900e-003	0.0192		777.7927	777.7927	0.0535		779.1300
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.1160**	**1.6747**	**1.0528**	**8.6400e-003**	**0.2138**	**4.3000e-003**	**0.2181**	**0.0608**	**4.0600e-003**	**0.0648**		**927.3008**	**927.3008**	**0.0573**		**928.7343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2426	0.0000	0.2426	0.0264	0.0000	0.0264			0.0000			0.0000
Off-Road	0.3259	1.4124	18.0784	0.0271		0.0435	0.0435		0.0435	0.0435	0.0000	2,613.0975	2,613.0975	0.8376		2,634.0364
Total	**0.3259**	**1.4124**	**18.0784**	**0.0271**	**0.2426**	**0.0435**	**0.2861**	**0.0264**	**0.0435**	**0.0698**	**0.0000**	**2,613.0975**	**2,613.0975**	**0.8376**		**2,634.0364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0527	1.6348	0.5852	7.1400e-003	0.0461	3.0200e-003	0.0492	0.0163	2.8900e-003	0.0192		777.7927	777.7927	0.0535		779.1300
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	**0.1160**	**1.6747**	**1.0528**	**8.6400e-003**	**0.2138**	**4.3000e-003**	**0.2181**	**0.0608**	**4.0600e-003**	**0.0648**		**927.3008**	**927.3008**	**0.0573**		**928.7343**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2047	19.2035	22.7332	0.0484		0.8460	0.8460		0.8004	0.8004		4,620.2570	4,620.2570	1.0980		4,647.7064
Total	**2.2047**	**19.2035**	**22.7332**	**0.0484**		**0.8460**	**0.8460**		**0.8004**	**0.8004**		**4,620.2570**	**4,620.2570**	**1.0980**		**4,647.7064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0738	2.3626	0.7786	8.1100e-003	0.2177	2.8400e-003	0.2205	0.0627	2.7200e-003	0.0654		869.5349	869.5349	0.0491		870.7622
Worker	0.3523	0.2137	2.5541	8.5200e-003	0.9836	7.3700e-003	0.9910	0.2609	6.7900e-003	0.2677		849.9073	849.9073	0.0207		850.4244

Total	**0.4261**	**2.5763**	**3.3327**	**0.0166**	**1.2013**	**0.0102**	**1.2115**	**0.3235**	**9.5100e-003**	**0.3331**		**1,719.4423**	**1,719.4423**	**0.0698**		**1,721.1865**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5770	3.3143	27.8801	0.0484		0.0740	0.0740		0.0740	0.0740	0.0000	4,620.2570	4,620.2570	1.0980		4,647.7064
Total	**0.5770**	**3.3143**	**27.8801**	**0.0484**		**0.0740**	**0.0740**		**0.0740**	**0.0740**	**0.0000**	**4,620.2570**	**4,620.2570**	**1.0980**		**4,647.7064**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0738	2.3626	0.7786	8.1100e-003	0.2177	2.8400e-003	0.2205	0.0627	2.7200e-003	0.0654		869.5349	869.5349	0.0491		870.7622
Worker	0.3523	0.2137	2.5541	8.5200e-003	0.9836	7.3700e-003	0.9910	0.2609	6.7900e-003	0.2677		849.9073	849.9073	0.0207		850.4244
Total	**0.4261**	**2.5763**	**3.3327**	**0.0166**	**1.2013**	**0.0102**	**1.2115**	**0.3235**	**9.5100e-003**	**0.3331**		**1,719.4423**	**1,719.4423**	**0.0698**		**1,721.1865**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0729	17.8446	22.6119	0.0484		0.7374	0.7374		0.6973	0.6973		4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**2.0729**	**17.8446**	**22.6119**	**0.0484**		**0.7374**	**0.7374**		**0.6973**	**0.6973**		**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0719	2.3426	0.7587	8.0600e-003	0.2177	2.7900e-003	0.2205	0.0627	2.6700e-003	0.0653		864.8725	864.8725	0.0484		866.0812
Worker	0.3356	0.1955	2.3699	8.1900e-003	0.9836	7.2200e-003	0.9909	0.2609	6.6500e-003	0.2675		817.0068	817.0068	0.0189		817.4781
Total	**0.4075**	**2.5381**	**3.1286**	**0.0163**	**1.2013**	**0.0100**	**1.2113**	**0.3235**	**9.3200e-003**	**0.3329**		**1,681.8793**	**1,681.8793**	**0.0672**		**1,683.5593**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.5770	3.3143	27.8801	0.0484		0.0740	0.0740		0.0740	0.0740	0.0000	4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**0.5770**	**3.3143**	**27.8801**	**0.0484**		**0.0740**	**0.0740**		**0.0740**	**0.0740**	**0.0000**	**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0719	2.3426	0.7587	8.0600e-003	0.2177	2.7900e-003	0.2205	0.0627	2.6700e-003	0.0653		864.8725	864.8725	0.0484		866.0812
Worker	0.3356	0.1955	2.3699	8.1900e-003	0.9836	7.2200e-003	0.9909	0.2609	6.6500e-003	0.2675		817.0068	817.0068	0.0189		817.4781
Total	**0.4075**	**2.5381**	**3.1286**	**0.0163**	**1.2013**	**0.0100**	**1.2113**	**0.3235**	**9.3200e-003**	**0.3329**		**1,681.8793**	**1,681.8793**	**0.0672**		**1,683.5593**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0729	17.8446	22.6119	0.0484		0.7374	0.7374		0.6973	0.6973		4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**2.0729**	**17.8446**	**22.6119**	**0.0484**		**0.7374**	**0.7374**		**0.6973**	**0.6973**		**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0703	2.3208	0.7434	8.0200e-003	0.2177	2.7200e-003	0.2204	0.0627	2.6000e-003	0.0653		860.3994	860.3994	0.0476		861.5899
Worker	0.3213	0.1801	2.2140	7.9100e-003	0.9836	6.9800e-003	0.9906	0.2609	6.4200e-003	0.2673		788.6323	788.6323	0.0173		789.0642
Total	**0.3916**	**2.5009**	**2.9574**	**0.0159**	**1.2013**	**9.7000e-003**	**1.2110**	**0.3235**	**9.0200e-003**	**0.3326**		**1,649.0316**	**1,649.0316**	**0.0649**		**1,650.6540**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5770	3.3143	27.8801	0.0484		0.0740	0.0740		0.0740	0.0740	0.0000	4,620.3288	4,620.3288	1.0922		4,647.6326
Total	**0.5770**	**3.3143**	**27.8801**	**0.0484**		**0.0740**	**0.0740**		**0.0740**	**0.0740**	**0.0000**	**4,620.3288**	**4,620.3288**	**1.0922**		**4,647.6326**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0703	2.3208	0.7434	8.0200e-003	0.2177	2.7200e-003	0.2204	0.0627	2.6000e-003	0.0653		860.3994	860.3994	0.0476		861.5899
Worker	0.3213	0.1801	2.2140	7.9100e-003	0.9836	6.9800e-003	0.9906	0.2609	6.4200e-003	0.2673		788.6323	788.6323	0.0173		789.0642
Total	**0.3916**	**2.5009**	**2.9574**	**0.0159**	**1.2013**	**9.7000e-003**	**1.2110**	**0.3235**	**9.0200e-003**	**0.3326**		**1,649.0316**	**1,649.0316**	**0.0649**		**1,650.6540**

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.1445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**22.3154**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0657	0.0368	0.4529	1.6200e-003	0.2012	1.4300e-003	0.2026	0.0534	1.3100e-003	0.0547		161.3111	161.3111	3.5300e-003		161.3995

Total	**0.0657**	**0.0368**	**0.4529**	**1.6200e-003**	**0.2012**	**1.4300e-003**	**0.2026**	**0.0534**	**1.3100e-003**	**0.0547**		**161.3111**	**161.3111**	**3.5300e-003**		**161.3995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.1445					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**22.1742**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0657	0.0368	0.4529	1.6200e-003	0.2012	1.4300e-003	0.2026	0.0534	1.3100e-003	0.0547		161.3111	161.3111	3.5300e-003		161.3995
Total	**0.0657**	**0.0368**	**0.4529**	**1.6200e-003**	**0.2012**	**1.4300e-003**	**0.2026**	**0.0534**	**1.3100e-003**	**0.0547**		**161.3111**	**161.3111**	**3.5300e-003**		**161.3995**

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7796	6.7686	10.3329	0.0195		0.2880	0.2880		0.2649	0.2649		1,889.4891	1,889.4891	0.6111		1,904.7666
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7796**	**6.7686**	**10.3329**	**0.0195**		**0.2880**	**0.2880**		**0.2649**	**0.2649**		**1,889.4891**	**1,889.4891**	**0.6111**		**1,904.7666**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0324	1.0823	0.3440	3.7500e-003	0.1025	1.2500e-003	0.1037	0.0295	1.2000e-003	0.0307		403.0006	403.0006	0.0221		403.5522
Worker	0.0698	0.0378	0.4714	1.7400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		173.5210	173.5210	3.6000e-003		173.6110
Total	**0.1022**	**1.1200**	**0.8155**	**5.4900e-003**	**0.3260**	**2.7500e-003**	**0.3288**	**0.0888**	**2.5800e-003**	**0.0914**		**576.5215**	**576.5215**	**0.0257**		**577.1632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2387	1.0343	12.6987	0.0195		0.0318	0.0318		0.0318	0.0318	0.0000	1,889.4891	1,889.4891	0.6111		1,904.7666
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2387**	**1.0343**	**12.6987**	**0.0195**		**0.0318**	**0.0318**		**0.0318**	**0.0318**	**0.0000**	**1,889.4891**	**1,889.4891**	**0.6111**		**1,904.7666**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0324	1.0823	0.3440	3.7500e-003	0.1025	1.2500e-003	0.1037	0.0295	1.2000e-003	0.0307		403.0006	403.0006	0.0221		403.5522
Worker	0.0698	0.0378	0.4714	1.7400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		173.5210	173.5210	3.6000e-003		173.6110
Total	**0.1022**	**1.1200**	**0.8155**	**5.4900e-003**	**0.3260**	**2.7500e-003**	**0.3288**	**0.0888**	**2.5800e-003**	**0.0914**		**576.5215**	**576.5215**	**0.0257**		**577.1632**

Lincoln HS

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	1,100.00	Student	3.35	210,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SF - Remodel+New Construction

Construction Phase - Reference Table 3

Off-road Equipment -

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Off-road Equipment - Equipment per Table 3, Off-Highway Trucks = Water trucks

Trips and VMT - Refer to Table 3

Demolition -

Grading - Material exported per Table 3

Architectural Coating - New and remodeled buildings Area

Construction Off-road Equipment Mitigation - Average Tier 4 engines used

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	88.00
tblGrading	AcresOfGrading	0.00	4.00
tblGrading	MaterialExported	0.00	630.00
tblLandUse	LandUseSquareFeet	145,927.08	210,217.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1596	1.4652	1.7086	3.7000e-003	0.2043	0.0629	0.2672	0.0333	0.0608	0.0941	0.0000	329.2620	329.2620	0.0510	0.0000	330.5368
2023	0.2010	1.9259	2.2001	4.6600e-003	0.0975	0.0920	0.1894	0.0154	0.0847	0.1001	0.0000	418.7672	418.7672	0.1055	0.0000	421.4034
2024	0.3397	2.8588	3.4201	8.5600e-003	0.1544	0.1122	0.2665	0.0417	0.1061	0.1477	0.0000	756.7595	756.7595	0.1386	0.0000	760.2256

2025	0.3189	2.6654	3.3640	8.4800e-003	0.1538	0.0975	0.2513	0.0415	0.0922	0.1337	0.0000	749.3488	749.3488	0.1371	0.0000	752.7769
2026	1.3002	2.7023	3.4285	8.6000e-003	0.1619	0.0994	0.2613	0.0436	0.0941	0.1378	0.0000	760.3107	760.3107	0.1371	0.0000	763.7378
2027	0.0275	0.2490	0.3512	7.9000e-004	0.0101	9.1600e-003	0.0192	2.7500e-003	8.4300e-003	0.0112	0.0000	70.7343	70.7343	0.0182	0.0000	71.1889
Maximum	**1.3002**	**2.8588**	**3.4285**	**8.6000e-003**	**0.2043**	**0.1122**	**0.2672**	**0.0436**	**0.1061**	**0.1477**	**0.0000**	**760.3107**	**760.3107**	**0.1386**	**0.0000**	**763.7378**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0438	0.3645	1.9313	3.7000e-003	0.1017	5.0200e-003	0.1067	0.0177	4.9900e-003	0.0227	0.0000	329.2617	329.2617	0.0510	0.0000	330.5365
2023	0.0565	0.4054	2.4870	4.6600e-003	0.0589	6.2000e-003	0.0651	0.0112	6.1700e-003	0.0174	0.0000	418.7668	418.7668	0.1055	0.0000	421.4030
2024	0.1264	0.7773	4.0943	8.5600e-003	0.1544	0.0110	0.1654	0.0417	0.0109	0.0526	0.0000	756.7588	756.7588	0.1386	0.0000	760.2250
2025	0.1237	0.7692	4.0515	8.4800e-003	0.1538	0.0110	0.1648	0.0415	0.0109	0.0524	0.0000	749.3481	749.3481	0.1371	0.0000	752.7762
2026	1.0995	0.7686	4.1144	8.6000e-003	0.1619	0.0111	0.1730	0.0436	0.0110	0.0547	0.0000	760.3100	760.3100	0.1371	0.0000	763.7371
2027	0.0105	0.0684	0.4257	7.9000e-004	0.0101	1.0900e-003	0.0112	2.7500e-003	1.0800e-003	3.8300e-003	0.0000	70.7343	70.7343	0.0182	0.0000	71.1888
Maximum	**1.0995**	**0.7773**	**4.1144**	**8.6000e-003**	**0.1619**	**0.0111**	**0.1730**	**0.0436**	**0.0110**	**0.0547**	**0.0000**	**760.3100**	**760.3100**	**0.1386**	**0.0000**	**763.7371**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**37.77**	**73.43**	**-18.18**	**0.00**	**18.06**	**90.41**	**45.33**	**11.07**	**89.91**	**67.41**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**6-1-2022**	**8-31-2022**	0.6948	0.1723
2	**9-1-2022**	**11-30-2022**	0.6882	0.1714
3	**12-1-2022**	**2-28-2023**	0.5713	0.1310

4	**3-1-2023**	**5-31-2023**	0.5363	0.1154
5	**6-1-2023**	**8-31-2023**	0.5360	0.1152
6	**9-1-2023**	**11-30-2023**	0.5307	0.1144
7	**12-1-2023**	**2-29-2024**	0.6981	0.1855
8	**3-1-2024**	**5-31-2024**	0.8009	0.2254
9	**6-1-2024**	**8-31-2024**	0.8003	0.2248
10	**9-1-2024**	**11-30-2024**	0.7928	0.2235
11	**12-1-2024**	**2-28-2025**	0.7520	0.2204
12	**3-1-2025**	**5-31-2025**	0.7501	0.2236
13	**6-1-2025**	**8-31-2025**	0.7496	0.2230
14	**9-1-2025**	**11-30-2025**	0.7425	0.2217
15	**12-1-2025**	**2-28-2026**	0.7338	0.2186
16	**3-1-2026**	**5-31-2026**	0.7484	0.2219
17	**6-1-2026**	**8-31-2026**	0.7479	0.2213
18	**9-1-2026**	**11-30-2026**	1.5065	0.9480
19	**12-1-2026**	**2-28-2027**	0.6901	0.3733
20	**3-1-2027**	**5-31-2027**	0.0940	0.0267
		Highest	1.5065	0.9480

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	12/30/2022	5	20	
2	Grading	Grading	1/1/2023	12/30/2023	5	8	
3	Building Construction	Building Construction	1/1/2024	12/30/2026	5	230	
4	Architectural Coating	Architectural Coating	9/1/2026	12/31/2026	5	88	
5	Paving	Paving	1/1/2027	3/30/2027	5	18	

Acres of Grading (Grading Phase): 4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 315,326; Non-Residential Outdoor: 105,109; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Off-Highway Trucks	1	4.00	402	0.38
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	0.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	4.00	402	0.38
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	0.00	9	0.56

Paving	Off-Highway Trucks	1	4.00	402	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	1	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	15.00	0.00	225.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	15.00	0.00	79.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	88.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	20.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1866	0.0000	0.1866	0.0283	0.0000	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1481	1.2406	1.6137	2.9200e-003		0.0622	0.0622		0.0601	0.0601	0.0000	253.4881	253.4881	0.0462	0.0000	254.6433
Total	**0.1481**	**1.2406**	**1.6137**	**2.9200e-003**	**0.1866**	**0.0622**	**0.2488**	**0.0283**	**0.0601**	**0.0884**	**0.0000**	**253.4881**	**253.4881**	**0.0462**	**0.0000**	**254.6433**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.9000e-003	0.2211	0.0549	6.6000e-004	5.1200e-003	6.2000e-004	5.7400e-003	1.6900e-003	5.9000e-004	2.2800e-003	0.0000	64.8250	64.8250	4.4800e-003	0.0000	64.9370
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6300e-003	3.4700e-003	0.0400	1.2000e-004	0.0126	1.0000e-004	0.0127	3.3400e-003	9.0000e-005	3.4300e-003	0.0000	10.9489	10.9489	3.0000e-004	0.0000	10.9565
Total	**0.0115**	**0.2246**	**0.0949**	**7.8000e-004**	**0.0177**	**7.2000e-004**	**0.0184**	**5.0300e-003**	**6.8000e-004**	**5.7100e-003**	**0.0000**	**75.7739**	**75.7739**	**4.7800e-003**	**0.0000**	**75.8935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0840	0.0000	0.0840	0.0127	0.0000	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0323	0.1399	1.8364	2.9200e-003		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	253.4878	253.4878	0.0462	0.0000	254.6430
Total	**0.0323**	**0.1399**	**1.8364**	**2.9200e-003**	**0.0840**	**4.3000e-003**	**0.0883**	**0.0127**	**4.3000e-003**	**0.0170**	**0.0000**	**253.4878**	**253.4878**	**0.0462**	**0.0000**	**254.6430**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.9000e-003	0.2211	0.0549	6.6000e-004	5.1200e-003	6.2000e-004	5.7400e-003	1.6900e-003	5.9000e-004	2.2800e-003	0.0000	64.8250	64.8250	4.4800e-003	0.0000	64.9370
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6300e-003	3.4700e-003	0.0400	1.2000e-004	0.0126	1.0000e-004	0.0127	3.3400e-003	9.0000e-005	3.4300e-003	0.0000	10.9489	10.9489	3.0000e-004	0.0000	10.9565
Total	**0.0115**	**0.2246**	**0.0949**	**7.8000e-004**	**0.0177**	**7.2000e-004**	**0.0184**	**5.0300e-003**	**6.8000e-004**	**5.7100e-003**	**0.0000**	**75.7739**	**75.7739**	**4.7800e-003**	**0.0000**	**75.8935**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0701	0.0000	0.0701	7.6200e-003	0.0000	7.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1869	1.7041	2.0633	3.5300e-003		0.0914	0.0914		0.0842	0.0842	0.0000	308.1731	308.1731	0.0988	0.0000	310.6425
Total	**0.1869**	**1.7041**	**2.0633**	**3.5300e-003**	**0.0701**	**0.0914**	**0.1615**	**7.6200e-003**	**0.0842**	**0.0918**	**0.0000**	**308.1731**	**308.1731**	**0.0988**	**0.0000**	**310.6425**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.7500e-003	0.2164	0.0743	9.4000e-004	5.9900e-003	3.9000e-004	6.3700e-003	2.1100e-003	3.7000e-004	2.4800e-003	0.0000	92.6689	92.6689	6.2100e-003	0.0000	92.8242

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-003	5.3400e-003	0.0625	2.0000e-004	0.0214	1.7000e-004	0.0215	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	17.9252	17.9252	4.6000e-004	0.0000	17.9367
Total	**0.0142**	**0.2217**	**0.1368**	**1.1400e-003**	**0.0274**	**5.6000e-004**	**0.0279**	**7.7900e-003**	**5.2000e-004**	**8.3100e-003**	**0.0000**	**110.5941**	**110.5941**	**6.6700e-003**	**0.0000**	**110.7609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0315	0.0000	0.0315	3.4300e-003	0.0000	3.4300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0424	0.1836	2.3502	3.5300e-003		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	308.1727	308.1727	0.0988	0.0000	310.6421
Total	**0.0424**	**0.1836**	**2.3502**	**3.5300e-003**	**0.0315**	**5.6500e-003**	**0.0372**	**3.4300e-003**	**5.6500e-003**	**9.0800e-003**	**0.0000**	**308.1727**	**308.1727**	**0.0988**	**0.0000**	**310.6421**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.7500e-003	0.2164	0.0743	9.4000e-004	5.9900e-003	3.9000e-004	6.3700e-003	2.1100e-003	3.7000e-004	2.4800e-003	0.0000	92.6689	92.6689	6.2100e-003	0.0000	92.8242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-003	5.3400e-003	0.0625	2.0000e-004	0.0214	1.7000e-004	0.0215	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	17.9252	17.9252	4.6000e-004	0.0000	17.9367
Total	**0.0142**	**0.2217**	**0.1368**	**1.1400e-003**	**0.0274**	**5.6000e-004**	**0.0279**	**7.7900e-003**	**5.2000e-004**	**8.3100e-003**	**0.0000**	**110.5941**	**110.5941**	**6.6700e-003**	**0.0000**	**110.7609**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2888	2.5157	2.9781	6.3400e-003		0.1108	0.1108		0.1049	0.1049	0.0000	549.0769	549.0769	0.1305	0.0000	552.3390
Total	**0.2888**	**2.5157**	**2.9781**	**6.3400e-003**		**0.1108**	**0.1108**		**0.1049**	**0.1049**	**0.0000**	**549.0769**	**549.0769**	**0.1305**	**0.0000**	**552.3390**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-003	0.3143	0.0981	1.0800e-003	0.0281	3.6000e-004	0.0284	8.1000e-003	3.5000e-004	8.4400e-003	0.0000	104.9984	104.9984	5.6600e-003	0.0000	105.1399
Worker	0.0414	0.0288	0.3440	1.1400e-003	0.1263	9.7000e-004	0.1273	0.0336	8.9000e-004	0.0344	0.0000	102.6842	102.6842	2.5000e-003	0.0000	102.7467
Total	**0.0508**	**0.3431**	**0.4420**	**2.2200e-003**	**0.1544**	**1.3300e-003**	**0.1557**	**0.0417**	**1.2400e-003**	**0.0429**	**0.0000**	**207.6826**	**207.6826**	**8.1600e-003**	**0.0000**	**207.8866**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0756	0.4342	3.6523	6.3400e-003		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003	0.0000	549.0762	549.0762	0.1305	0.0000	552.3384
Total	**0.0756**	**0.4342**	**3.6523**	**6.3400e-003**		**9.7000e-003**	**9.7000e-003**		**9.7000e-003**	**9.7000e-003**	**0.0000**	**549.0762**	**549.0762**	**0.1305**	**0.0000**	**552.3384**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-003	0.3143	0.0981	1.0800e-003	0.0281	3.6000e-004	0.0284	8.1000e-003	3.5000e-004	8.4400e-003	0.0000	104.9984	104.9984	5.6600e-003	0.0000	105.1399
Worker	0.0414	0.0288	0.3440	1.1400e-003	0.1263	9.7000e-004	0.1273	0.0336	8.9000e-004	0.0344	0.0000	102.6842	102.6842	2.5000e-003	0.0000	102.7467
Total	**0.0508**	**0.3431**	**0.4420**	**2.2200e-003**	**0.1544**	**1.3300e-003**	**0.1557**	**0.0417**	**1.2400e-003**	**0.0429**	**0.0000**	**207.6826**	**207.6826**	**8.1600e-003**	**0.0000**	**207.8866**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2705	2.3287	2.9509	6.3200e-003		0.0962	0.0962		0.0910	0.0910	0.0000	546.9897	546.9897	0.1293	0.0000	550.2221
Total	**0.2705**	**2.3287**	**2.9509**	**6.3200e-003**		**0.0962**	**0.0962**		**0.0910**	**0.0910**	**0.0000**	**546.9897**	**546.9897**	**0.1293**	**0.0000**	**550.2221**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1300e-003	0.3104	0.0952	1.0700e-003	0.0280	3.6000e-004	0.0283	8.0700e-003	3.4000e-004	8.4100e-003	0.0000	104.0277	104.0277	5.5600e-003	0.0000	104.1666
Worker	0.0392	0.0262	0.3180	1.0900e-003	0.1258	9.4000e-004	0.1268	0.0334	8.7000e-004	0.0343	0.0000	98.3314	98.3314	2.2700e-003	0.0000	98.3882
Total	**0.0484**	**0.3367**	**0.4132**	**2.1600e-003**	**0.1538**	**1.3000e-003**	**0.1551**	**0.0415**	**1.2100e-003**	**0.0427**	**0.0000**	**202.3591**	**202.3591**	**7.8300e-003**	**0.0000**	**202.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0753	0.4325	3.6384	6.3200e-003		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	546.9890	546.9890	0.1293	0.0000	550.2215
Total	**0.0753**	**0.4325**	**3.6384**	**6.3200e-003**		**9.6600e-003**	**9.6600e-003**		**9.6600e-003**	**9.6600e-003**	**0.0000**	**546.9890**	**546.9890**	**0.1293**	**0.0000**	**550.2215**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1300e-003	0.3104	0.0952	1.0700e-003	0.0280	3.6000e-004	0.0283	8.0700e-003	3.4000e-004	8.4100e-003	0.0000	104.0277	104.0277	5.5600e-003	0.0000	104.1666
Worker	0.0392	0.0262	0.3180	1.0900e-003	0.1258	9.4000e-004	0.1268	0.0334	8.7000e-004	0.0343	0.0000	98.3314	98.3314	2.2700e-003	0.0000	98.3882
Total	**0.0484**	**0.3367**	**0.4132**	**2.1600e-003**	**0.1538**	**1.3000e-003**	**0.1551**	**0.0415**	**1.2100e-003**	**0.0427**	**0.0000**	**202.3591**	**202.3591**	**7.8300e-003**	**0.0000**	**202.5548**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2695	2.3198	2.9395	6.3000e-003		0.0959	0.0959		0.0907	0.0907	0.0000	544.8939	544.8939	0.1288	0.0000	548.1140
Total	**0.2695**	**2.3198**	**2.9395**	**6.3000e-003**		**0.0959**	**0.0959**		**0.0907**	**0.0907**	**0.0000**	**544.8939**	**544.8939**	**0.1288**	**0.0000**	**548.1140**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8900e-003	0.3063	0.0929	1.0600e-003	0.0279	3.5000e-004	0.0282	8.0400e-003	3.3000e-004	8.3700e-003	0.0000	103.0841	103.0841	5.4500e-003	0.0000	103.2205
Worker	0.0374	0.0241	0.2960	1.0500e-003	0.1254	9.1000e-004	0.1263	0.0333	8.3000e-004	0.0341	0.0000	94.5524	94.5524	2.0700e-003	0.0000	94.6042
Total	**0.0462**	**0.3304**	**0.3889**	**2.1100e-003**	**0.1532**	**1.2600e-003**	**0.1545**	**0.0413**	**1.1600e-003**	**0.0425**	**0.0000**	**197.6365**	**197.6365**	**7.5200e-003**	**0.0000**	**197.8247**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0750	0.4309	3.6244	6.3000e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	544.8933	544.8933	0.1288	0.0000	548.1133
Total	**0.0750**	**0.4309**	**3.6244**	**6.3000e-003**		**9.6200e-003**	**9.6200e-003**		**9.6200e-003**	**9.6200e-003**	**0.0000**	**544.8933**	**544.8933**	**0.1288**	**0.0000**	**548.1133**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8900e-003	0.3063	0.0929	1.0600e-003	0.0279	3.5000e-004	0.0282	8.0400e-003	3.3000e-004	8.3700e-003	0.0000	103.0841	103.0841	5.4500e-003	0.0000	103.2205
Worker	0.0374	0.0241	0.2960	1.0500e-003	0.1254	9.1000e-004	0.1263	0.0333	8.3000e-004	0.0341	0.0000	94.5524	94.5524	2.0700e-003	0.0000	94.6042
Total	**0.0462**	**0.3304**	**0.3889**	**2.1100e-003**	**0.1532**	**1.2600e-003**	**0.1545**	**0.0413**	**1.1600e-003**	**0.0425**	**0.0000**	**197.6365**	**197.6365**	**7.5200e-003**	**0.0000**	**197.8247**

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9744					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	**0.9819**	**0.0504**	**0.0796**	**1.3000e-004**		**2.2700e-003**	**2.2700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**11.2343**	**11.2343**	**6.1000e-004**	**0.0000**	**11.2496**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5900e-003	1.6700e-003	0.0205	7.0000e-005	8.6800e-003	6.0000e-005	8.7400e-003	2.3100e-003	6.0000e-005	2.3600e-003	0.0000	6.5459	6.5459	1.4000e-004	0.0000	6.5495
Total	**2.5900e-003**	**1.6700e-003**	**0.0205**	**7.0000e-005**	**8.6800e-003**	**6.0000e-005**	**8.7400e-003**	**2.3100e-003**	**6.0000e-005**	**2.3600e-003**	**0.0000**	**6.5459**	**6.5459**	**1.4000e-004**	**0.0000**	**6.5495**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9744					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	5.6700e-003	0.0806	1.3000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
Total	**0.9757**	**5.6700e-003**	**0.0806**	**1.3000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**11.2343**	**11.2343**	**6.1000e-004**	**0.0000**	**11.2496**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5900e-003	1.6700e-003	0.0205	7.0000e-005	8.6800e-003	6.0000e-005	8.7400e-003	2.3100e-003	6.0000e-005	2.3600e-003	0.0000	6.5459	6.5459	1.4000e-004	0.0000	6.5495
Total	**2.5900e-003**	**1.6700e-003**	**0.0205**	**7.0000e-005**	**8.6800e-003**	**6.0000e-005**	**8.7400e-003**	**2.3100e-003**	**6.0000e-005**	**2.3600e-003**	**0.0000**	**6.5459**	**6.5459**	**1.4000e-004**	**0.0000**	**6.5495**

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0246	0.2132	0.3255	6.1000e-004		9.0700e-003	9.0700e-003		8.3500e-003	8.3500e-003	0.0000	53.9946	53.9946	0.0175	0.0000	54.4312

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0246**	**0.2132**	**0.3255**	**6.1000e-004**		**9.0700e-003**	**9.0700e-003**		**8.3500e-003**	**8.3500e-003**	**0.0000**	**53.9946**	**53.9946**	**0.0175**	**0.0000**	**54.4312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9000e-004	0.0346	0.0104	1.2000e-004	3.1800e-003	4.0000e-005	3.2100e-003	9.2000e-004	4.0000e-005	9.5000e-004	0.0000	11.6987	11.6987	6.1000e-004	0.0000	11.7140
Worker	1.9600e-003	1.2200e-003	0.0153	6.0000e-005	6.9000e-003	5.0000e-005	6.9500e-003	1.8300e-003	4.0000e-005	1.8800e-003	0.0000	5.0410	5.0410	1.0000e-004	0.0000	5.0436
Total	**2.9500e-003**	**0.0358**	**0.0257**	**1.8000e-004**	**0.0101**	**9.0000e-005**	**0.0102**	**2.7500e-003**	**8.0000e-005**	**2.8300e-003**	**0.0000**	**16.7397**	**16.7397**	**7.1000e-004**	**0.0000**	**16.7576**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.5200e-003	0.0326	0.4000	6.1000e-004		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	53.9946	53.9946	0.0175	0.0000	54.4312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.5200e-003**	**0.0326**	**0.4000**	**6.1000e-004**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**53.9946**	**53.9946**	**0.0175**	**0.0000**	**54.4312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.9000e-004	0.0346	0.0104	1.2000e-004	3.1800e-003	4.0000e-005	3.2100e-003	9.2000e-004	4.0000e-005	9.5000e-004	0.0000	11.6987	11.6987	6.1000e-004	0.0000	11.7140
Worker	1.9600e-003	1.2200e-003	0.0153	6.0000e-005	6.9000e-003	5.0000e-005	6.9500e-003	1.8300e-003	4.0000e-005	1.8800e-003	0.0000	5.0410	5.0410	1.0000e-004	0.0000	5.0436
Total	**2.9500e-003**	**0.0358**	**0.0257**	**1.8000e-004**	**0.0101**	**9.0000e-005**	**0.0102**	**2.7500e-003**	**8.0000e-005**	**2.8300e-003**	**0.0000**	**16.7397**	**16.7397**	**7.1000e-004**	**0.0000**	**16.7576**

APPENDIX E

Cultural Resources Record Search

South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395 / FAX 657.278.5542
sccic@fullerton.edu
California Historical Resources Information System
Orange, Los Angeles, and Ventura Counties

9/16/2019 Records Search File No.: 20618.6616

Jenna Farrell
Tetra Tech, Inc.
2969 Prospect Dr. Ste. 100
Rancho Cordova, CA 95670

Re: Record Search Results for the Lincoln High School Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Los Angeles, CA USGS 7.5' quadrangle. The following reflects the results of the records search for the project area and a 1-mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format: ☐ custom GIS maps ☒ shape files ☐ hand-drawn maps

Resources within project area: 1	P-19-176194
Archaeological resources within 1-mile radius: 2	SEE ATTACHED MAP or LIST
Resources listed in the 2012 OHP Historic Properties Directory within project area: 6	SEE ATTACHED LIST FOR INDIVIDUAL PROPERTY STATUS CODES – resource locations from the OHP HPD may or may not be plotted on the custom GIS map or provided as a shape file
Resources listed in the 2012 OHP Historic Properties Directory within 1-mile radius: 124	SEE ATTACHED LIST FOR INDIVIDUAL PROPERTY STATUS CODES – resource locations from the OHP HPD may or may not be plotted on the custom GIS map or provided as a shape file
Resources listed in the 2012 Historic Properties Directory that lack specific locational information: 4	SEE ATTACHED LIST FOR INDIVIDUAL PROPERTY STATUS CODES - These properties may or may not be in your project area or in the search radius.
Reports within project area: 1	LA-13239
Reports within 1-mile radius: 44	SEE ATTACHED MAP or LIST

Resource Database Printout (list):	☒ enclosed	☐ not requested	☐ nothing listed
Resource Database Printout (details):	☒ enclosed	☐ not requested	☐ nothing listed
Resource Digital Database (spreadsheet):	☐ enclosed	☒ not requested	☐ nothing listed
Report Database Printout (list):	☒ enclosed	☐ not requested	☐ nothing listed

Report Database Printout (details):	☒ enclosed	☐ not requested	☐ nothing listed
Report Digital Database (spreadsheet):	☐ enclosed	☒ not requested	☐ nothing listed
Resource Record Copies:	☒ enclosed	☐ not requested	☐ nothing listed
Report Copies:	☒ enclosed	☐ not requested	☐ nothing listed
OHP Historic Properties Directory 2012:	☒ enclosed	☐ not requested	☐ nothing listed
Archaeo Determinations of Eligibility 2012:	☒ enclosed	☐ not requested	☐ nothing listed
Los Angeles Historic-Cultural Monuments	☐ enclosed	☒ not requested	☐ nothing listed
Historical Maps:	☐ enclosed	☒ not requested	☐ nothing listed
Ethnographic Information:	☒ not available at SCCIC		
Historical Literature:	☒ not available at SCCIC		
GLO and/or Rancho Plat Maps:	☒ not available at SCCIC		
Caltrans Bridge Survey:	☒ not available at SCCIC; please go to http://www.dot.ca.gov/hq/structur/strmaint/historic.htm		
Shipwreck Inventory:	☒ not available at SCCIC; please go to http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp		
Soil Survey Maps: (see below)	☒ not available at SCCIC; please go to http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx		

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,

Isabela Kott Digitally signed by Isabela Kott
Date: 2019.09.16 17:40:52 -07'00'

Isabela Kott
GIS Technician/Staff Researcher

Enclosures:

(X) GIS Shapefiles – 48 shapes

(X) Resource Database Printout (list) – 1 page

(X) Resource Database Printout (details) – 4 pages

(X) Report Database Printout (list) – 5 pages

(X) Report Database Printout (details) – 47 pages

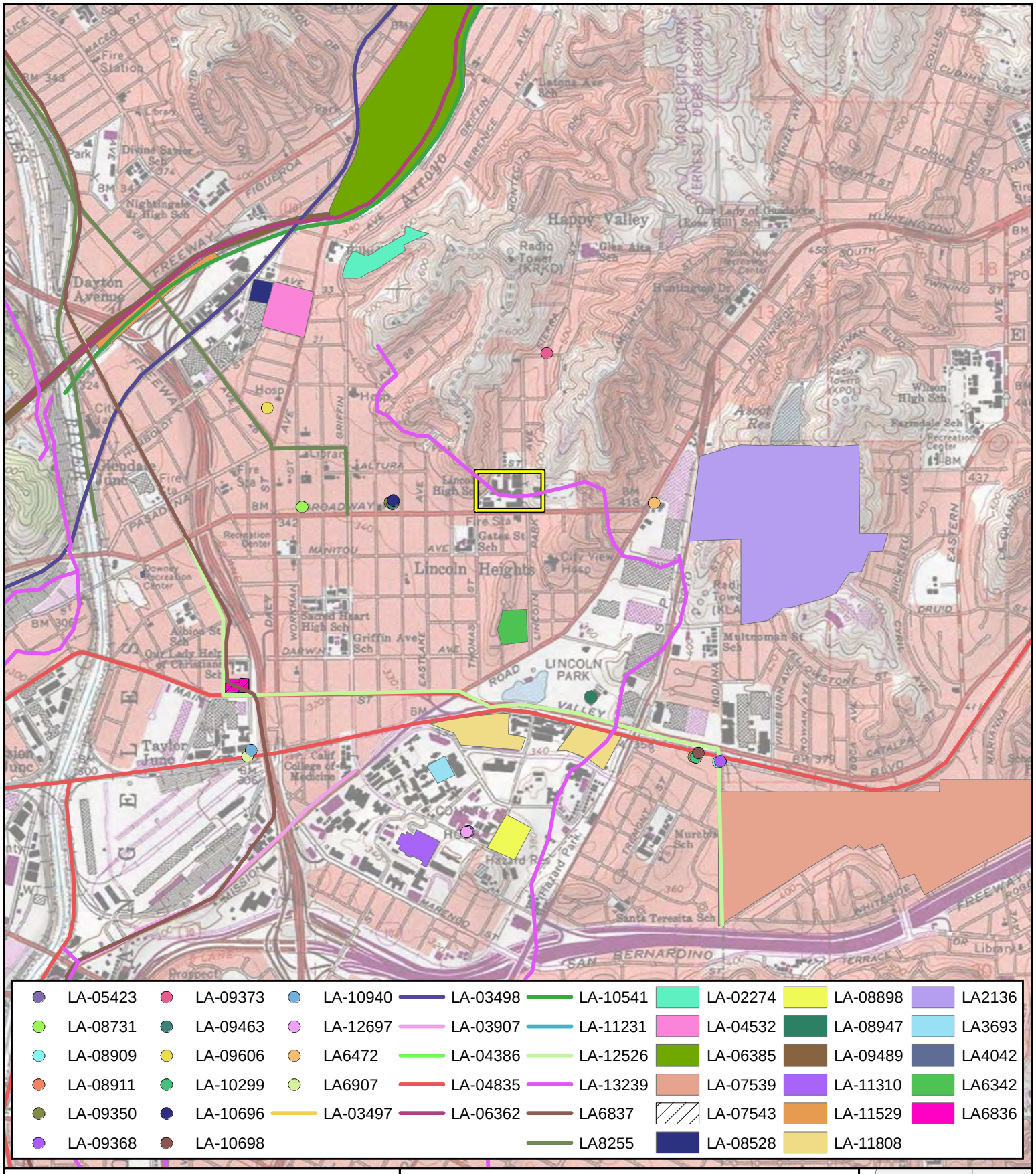
(X) Resource Record Copies – (project area only) 2 pages

(X) Report Copies – (project area only) 4 pages

(X) OHP Historic Properties Directory (2012) – 1 page

(X) Archaeological Determinations of Eligibility (2012) – 1 page

(X) National Register Status Codes – 1 page



Previous Surveys
Lincoln High School
Los Angeles County, California

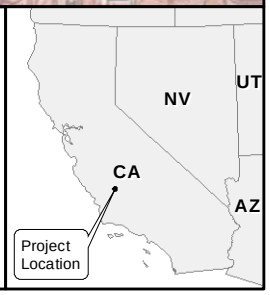
1:24,000

0 1,000 2,000 4,000
Feet

N

Legend

Area of Potential Effects



Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-02136		1990	Perry, Richard M.	Archaeological and Historical Assessment of 120 Acres for the Proposed Ascot Family Park and Recreation Center in the El Sereno Community, City of Los Angeles	Richard Perry, Consulting Archaeologist	
LA-02274		1990	White, Robert S.	An Archaeological Assessment of a 9+/- Acre Parcel As Shown on Ppm 48721 Located Adjacent to Griff in Avenue in the Montecito Heights Section of the City of Los Angeles	Archaeological Associates, Ltd.	
LA-03497		1994	Anonymous	Draft Supplemental Environmental Impact Report Pasadena-Los Angeles Light Rail Transit Project	Tetra Tech, Inc.	
LA-03498		1994	Anonymous	Final Supplemental Environmental Impact Report Pasadena-Los Angeles Light Rail Transit Project	Tetra Tech, Inc.	
LA-03498A			Saurenman, Hugh	Evaluation of Change in Noise Impacts, Proposed Blue Line Wayside Horn System	Harris Miller Miller & Hanson Inc	
LA-03693		1997	Maki, Mary K.	Phase I Archaeological Survey of 2 Acres at 1605 Eastlake Avenue Central Juvenile Hall Los Angeles County, California	ENSR Consulting and Engineering	
LA-03907		1978	City of Los Angeles	Historic Property Survey: Unit I Mission Road - Zonal Avenue to Marengo Street W.o. 61266, Unit Ii Mission Road - Golden State Freeway to Macy Street W.o. 61621, Unit Iii Mission Road at Macy Street W.o. 61622	Unknown	
LA-04042		1998	Romani, Gwendolyn R.	Results of Phase I Archaeological Survey Located at 219-223 South Avenue 18, Los Angeles, California	Compass Rose Archaeological, Inc.	
LA-04386		1993	Anonymous	Cultural Resources Overview Los Angeles County Metropolitan Transportation Authority's Interstate Commerce Commission Abandonment Exemption Pasadena-Los Angeles Light Rail Transit Project	Caltrans	
LA-04532		1999	Bissell, Ronald M.	Cultural Resources Study, Analysis of Off Site Alternatives (humbolt Street and Lake Shrine Properties) for the Self Realization Fellowship Revised Master Plan Environmental Impact Report, Arroyo Seco and Topanga Areas, Los Angeles, Los Angeles County,ca	RMW Paleo Associates, Inc.	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-04835		1999	Ashkar, Shahira	Cultural Resources Inventory Report for Williams Communications, Inc. Proposed Fiber Optic Cable System Installation Project, Los Angeles to Riverside, Los Angeles and Riverside Counties	Jones & Stokes Associates, Inc.	19-186109, 19-186112, 19-187090
LA-05423		2000	Duke, Curt	Cultural Resource Assessment for Pacific Bell Wireless Facility La 927-01, County of Los Angeles, Ca	LSA Associates, Inc.	
LA-06342		2001	Wlodarski, Robert J.	A Phase I Archaeological Study for 2037 Lincoln Park Avenue City of Los Angeles, Los Angeles County, California	Historical,Environmental,Archaeological,Research,Team	
LA-06362		1994	Borg, Roger	Finding of Effect on Historic Properties Arroyo Seco Parkway and Four Level Interchange	Caltrans District 7	
LA-06385		2001	McAvoy, Christy J.	Section 106 Review for 5568 Via Marison Avenue Arroyo Seco Park Historic District Los Angeles, Ca	Historic Resources Group	19-189325, 19-189326
LA-06472		2002	Duke, Curt	Cultural Resource Assessment Cingular Wireless Facility No. Vy 111-01 Los Angeles County, California	LSA Associates, Inc.	
LA-06836		2003	Foster, John M.	Archaeological Investigation for Metro Bomb Squad Facilitty Work Order E170700b City of Los Angeles, California	Greenwood and Associates	
LA-06837	Paleo -	2003	Greenwood, Roberta S.	Cultural Resources Monitoring: Northeast Interceptor Sewer Project	Greenwood and Associates	19-003685, 19-003686
LA-06907		2002	Dice, Michael H.	Visual Impact Assessment Results for Bechtel/at&t Telecommunications Facility D243b (hwy 5 & Main) 650 South Avenue 21, Los Angeles, Los Angeles County, California	Michael Brandman Associates	
LA-07539		2005	Maki, Mary K.	Cdc-whiteside Study Area. Los Angeles County	Conejo Archaeological Consultants	
LA-07543		2006	Foster, John M., Slawson, Dana N., and Hale, Alice E.	Archaeological Evaluation: Metro Bomb Squad North Main Street, Los Angeles	Greenwood and Associates	19-003473
LA-08255		2006	Arrington, Cindy and Nancy Sikes	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project State of California: Volumes I and Ii	SWCA Environmental Consultants, Inc.	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-08528		2004	Smith, Brooks R. and Jay Michalsky	Cultural Resource Monitoring Report for the Itt Cannon Property Soil Remediation Project City and County of Los Angeles	LSA Associates, Inc.	
LA-08731		2006	Bonner, Wayne H. and Sarah A. Williams	Cultural Resources Records Search Results and Site Visit for Royal Street Communications, Llc Telecommunications Facility Candidate La0186a (broadway) 2701 Broadway, Los Angeles, Los Angeles County, California	Michael Brandman Associates	
LA-08898		2007	Baker, Cindy and Mary L. Maniery	Cultural Resource Inventory and Evaluation of United States Army Reserve 63d Regional Readiness Command Facilities	PAR Environmental Services, Inc.	19-003659, 19-186589, 19-187950, 19-187951, 19-187952, 19-187953, 19-187954, 19-187955, 19-187956, 30-176836, 30-176837
LA-08909		2004	Galvin, Andrea	Historic Architectural Survey and Section 106 Compliance for a Proposed Wireless Telecommunications Service Facility Located on a Commercial Building at 1781 North Indianna Street in the City of Los Angeles, (los Angeles County), California	Galvin & Associates	
LA-08911		2007	Billat, Lorna	New Tower ("nt") Submission Packet Fcc Form 620, Orlandini Enterprises, La-2294b	EarthTouch, Inc.	19-186112, 19-187055
LA-08947		2007	Wood, Catherine M.	Archaeological Survey Report for the Lincoln Park Pool and Bathhouse Replacement Project, Los Angeles County, California	Jones & Stokes	
LA-09350		2008	Bonner, Wayne H.	Cultural Resources Records Search and Site Visit Results for T-Mobile Candidate IE24851A (Leeds Building), 2417 Hancock Street, Los Angeles County, California	Michael Brandman Associates	19-187974
LA-09368		2004	Billat, Lorna	Manitou/CA-7730J; 1781 N. Indiana Street, Los Angeles, CA	Earth Touch, Inc.	19-188043
LA-09373		2007	Bonner, Wayne H.	Cultural Resources Records Search Results for Sprint Nextel Candidate LA73XC117C (Flora Ave. & Sierra St.), Flora Avenue east of Sierra Street, Los Angeles, Los Angeles County, California	Michael Brandman Associates	
LA-09463		2008	Crawford, Kathleen	Direct APE Historic Architectural Assessment for T-Mobile Candidate IE24851A (Leeds Building), 2417 Hancock Street, Los Angeles, Los Angeles county, California	Michael Brandman Associates	
LA-09489		2003	Lee, Portia	Arroyo Seco Parkway Historic District	California Archives	19-179645

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-09606		2008	Bonner, Wayne H. and Kathleen Crawford	Cultural Resources Records Search and Site Visit Results for T-Mobile USA Candidate SV11769C (Boys and Girls Club), 2635 Pasadena Avenue, Los Angeles, Los Angeles County, California.	Michael Brandman Associates	
LA-10299		2009	Bonner, Wayne H. and Sarah A. Williams	Cultural Resources Records Search and Site Visit Results for T-Mobile USA Candidate SV11709B (Indiana Ave/Sprint Colo), 1781 North Indiana St., Los Angeles, Los Angeles County, California.	MBA	19-186112
LA-10541	OHP PRN - FHWA040514A	2005	Dolan, Christy and Monica Strauss	Finding of Effect for the Proposed Arroyo Seco Bike Path, Los Angeles County, California	EDAW, Inc.	19-003100, 19-003101, 19-003102, 19-186110, 19-186721, 19-186858, 19-186859
LA-10541A		2003	Monica Strauss and Christy Dolan	Historic Property Survey Report Proposed Arroyo Seco Bike Path County Of Los Angeles, California	EDAW	
LA-10541B		2003	Monica Strauss and Christy Dolan	Arroyo Seco Bike Path Historic Resources Evaluation Report HRER - Appendix 1	EDAW	
LA-10541C		2004	OHP - Steve Mikesell acting SHPO	HPSR / Determinations of Eligibility for Arroyo Seco Bike Path Project	Caltrans	
LA-10696		2010	Bonner, Wayne and Sarah Williams	Cultural Resources Records Search and Site Visit Results for Clearwire Candidate CA-LOS4134A (Leeds Building), 2417 Hancock Street, Los Angeles, California	Michael Brandman Associates	
LA-10698		2010	Bonner, Wayne and Arabesque Said	Cultural Resource Records Search and Site Visit Results for TowerCo Assets LLC Candidate CA2715 (A And M Metal Fabrication), 1781 North Indiana Street, Los Angeles, California	Michael Brandman Associates	19-186112, 19-188018
LA-10940		2011	Bonner, Wayne	Cultural Resources Records Search and site Visit Results for AT$T Mobility, LLC Candidate LAD243, USID 40522 (Main & 5 Fwy.), 650 South Avenue 21, Los Angeles, Los Angeles County, Ca.	Environmental Assessment Specialists, Inc.	19-167098, 19-175247, 19-175288, 19-186112
LA-11231		2009	Meiser, M.K.	Historic American Engineering Record Arroyo Seco Flood Control Channel, Los Angeles County, California	EDAW, Inc.	19-186859
LA-11310		2010	Kurose, Ken	LAC + USC Medical Center General Hospital, Reuse and Protective Storage Plan	Ken Kurose Architect and Chattel Architecture Planning and Preservation	19-156354

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-11529		2008	Castanon, David	Arroyo Seco Channel Project in the cities of Los Angeles and Pasadena, Los Angeles County, California	Department of the Army	19-186859
LA-11808		2011	Meiser, M.K.	Historical Resource Assessment of the Alcazar Street and 2275 Alcazar Street Los Angeles, California	AECOM	19-003659, 19-156056, 19-156059, 19-156060, 19-156354, 19-167090, 19-171480, 19-171483, 19-171484, 19-175298, 19-175482, 19-186112, 19-187954, 19-188043
LA-12526		2013	Ehringer, Candace, Ramirez, Katherine, and Vader, Michael	Santa Clarita Valley Sanitation District Chloride TMDL Facilities Plan Project, Phase I Cultural Resources Assessment	ESA	19-002150, 19-002233, 19-002234, 19-002681, 19-004321, 19-179645, 19-186112, 19-186541, 19-186567, 19-186859, 19-187055, 19-188007, 19-190312, 19-190313, 19-190314, 19-190315, 19-190316, 19-190317, 19-190318, 19-190319, 19-190320, 19-190321, 19-190322, 56-001262, 56-151768
LA-12697		2014	Bonner, Diane, Wills, Carrie, and Crawford, Kathleen	Cultural Resources Records Search and Site Visit Results for AT&T Mobility, LLC Candidate LA0521 (USC HMR Building) 2011 Zonal Avenue, Los Angeles, Los Angeles County, California CASPR No. 3551678567	EAS	19-003659, 19-156354, 19-167090, 19-175288, 19-175482, 19-186112, 19-190291, 19-190980
LA-13239		2017	Gust, Sherri	Extent of Zanja Madre	Cogstone	19-003103, 19-004113, 19-190309

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-003473	CA-LAN-003473H	Resource Name - MBS-1	Site	Historic	AH04 (Privies/dumps/trash scatters); HP02 (Single family property)	2005 (John M. Foster, Greenwood & Associates)	LA-07543
P-19-003659	CA-LAN-003659H	Resource Name - Hazard Park USAR Center Site #1; Other - Facility ID No. CA027	Site	Historic	AH04 (Privies/dumps/trash scatters)	2006 (Monica Nolte, PAR Environmental Services, Inc)	LA-08898, LA-11808, LA-12697, OR-03486
P-19-176194		OHP Property Number - 100646; Resource Name - Lincoln High School	Building	Historic	HP15 (Educational building)	1995 (C.McAvoy, HRG)	

SITE-NUMBER.	PRIMARY-NUM	NRS	EVL-DATE	PROGRAM REF.....	EVAL	OTHER NAMES AND NUMBERS.....
LAN-002400H		6Y	10/04/96	USFS960812D	CCPR	RUBIO CANON WATER CONVEYANCE SYSTEM
LAN-002464		6Y	03/14/07	USFS070205A	CFPR	FS# 05-01-53-0166, PARADISE RANCH KNOLL EARTH OVEN SITE
		6Y	03/14/07	USFS070205A	DBPR	
LAN-002589H		6Y	01/22/98	ADOE-19-98-001-00	LWPR	ENSR-2H
		6Y	01/22/98	HUD971211Z	LWPR	
LAN-002590H		6Y	01/22/98	ADOE-19-98-002-00	LWPR	ENSR-1H
		6Y	01/22/98	HUD971211Z	LWPR	
LAN-002692		6Y2	11/17/10	USAF100624A	TPPR	CA-LAN-2692 2009-K-PLT42
LAN-002746		6Y	11/14/02	ADOE-19-02-013-000	JDPR	HAZEL DELL MINING CAMP SITE
		6Y	11/14/02	USFS020608A	JDPR	
LAN-002826		6Y	04/09/02	ADOE-19-02-004-000	AMPR	
		6Y	04/09/02	COE020304A	AMPR	
LAN-002827		6Y	04/09/02	ADOE-19-02-005-000	AMPR	
		6Y	04/09/02	COE020304A	AMPR	
LAN-003013		2S2	03/22/04	ADOE-19-04-001-000	AMPR	
		2S2	03/22/04	USFS040113C	AMPR	
LAN-003028		2S2	09/13/05	USFS031031A	AMPR	FS# 05-01-55-0147, MESSENGER FLATS CAMPGROUND
LAN-003104H		6Y	12/22/04	ADOE-19-04-008-000	MMPR	CLEAR CREEK OUTDOOR EDUCATION CENTER COMPLEX, 19-003104
		6Y	12/22/04	USFS040504A	MMPR	
LAN-003137		6Y	04/26/04	ADOE-19-04-004-000	MMPR	
		6Y	04/26/04	FHWA040419C	MMPR	
LAN-003138		6Y	04/26/04	ADOE-19-04-005-000	MMPR	
		6Y	04/26/04	FHWA040419C	MMPR	
LAN-003139H		6Y	04/26/04	ADOE-19-04-007-000	MMPR	EA 127261
		6Y	04/26/04	FHWA040419C	MMPR	
LAN-003140H		6Y	04/26/04	ADOE-19-04-006-000	MMPR	EA 127261
		6Y	04/26/04	FHWA040419C	MMPR	
LAN-003151		2S2	07/21/10	USFS100430A	J2PR	FS# 05-01-51-0133, SIMS-MAYNER, CHILAO PREHISTORIC SITE
LAN-003152H		6Y	09/14/06	USFS060821C	CFPR	ANGELES CREST CCC CAMP
LAN-003266		6Y	12/21/92	ADOE-15-92-0001-00 00	NDPR	
		6Y	12/21/92	USAF920824A	NDPR	
LAN-003299H		6Y	05/06/08	USFS080401A	CFPR	FS# 05-01-53-0276, DEL SUR MINING COMPLEX, SAUGUS-DEL SUR RIDGE QUARRIES
LAN-003478/H		6Y	04/11/08	USFS070209B	CFPR	FOOTHILL RANCH
LAN-003659H		6Y	07/16/07	USA070613A	CFPR	LIGHT SCATTER OF HISTORIC ERA ARTIFACTS
LAN-003729H		6Y2	06/28/11	USFS110606A	J2PR	CA-LAN-3729H
LAN-003732H		6Y2	07/06/11	USFS110429A	J2PR	PL-SCE-TECHACHAPI-23H, P-19-003732
LAN-003734		6Y2	10/20/11	USFS110608A	J2PR	PL-SCE TEHACHAPI-12, CA-LAN-3734
LAN-003760H		2S2	05/01/08	EPA080110A	WEPR	JAD-8
LAN-003814H		6Y2	09/20/10	USFS100809C	J2PR	DURFEE HOMESTEAD PL-SCE-SEG7-06, CA-LAN-3814H
LAN-003854		2S2	04/18/11	USFS110321A	J2PR	AE-TRTP-1, 19-003854
LAN-003868		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3868
LAN-003869		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3869
LAN-003870		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3870
LAN-003871		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3871
LAN-003872		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3872
LAN-003873		2S2	03/18/11	DOE110207B	WEPR	CA-LAN-3873
LAN-003874		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3874
LAN-003875		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3875
LAN-003876		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3876
LAN-003877		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3877
LAN-003878		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3878
LAN-003879		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3879
LAN-003880		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3880
LAN-003881		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3881
LAN-003882		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3882
LAN-003884		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3884
LAN-003885		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3885
LAN-003886		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3887
LAN-003888		6Y2	03/18/11	DOE110207B	WEPR	CA-LAN-3888
LAN-004166/H		6Y2	06/25/11	USAF110610A	ECPR	MIXED ARTIFACT SCATTER
LAN-01334HH		6Y	04/11/08	USFS070209B	CFPR	COCHEMS RANCH; BRUNET PROPERTY, HISTORIC PART OF LAN-1334
LAN-Z00001		2S	03/31/83			ARROYO SECO PARKWAY
LAN-Z00002		2	06/26/85	USFS881227A		BLUE RIDGE ELECTRONIC
LAN-Z00003		2	06/26/85	USFS881227A		KENTUCKY SPRING BEE A
LAN-Z00004		2	11/23/87	NPS870420B		DECKER CYN ARCH
LAN-Z00005/H		1S	06/22/72	72000228	KPNP	VASQUEZ ROCKS
LAN-Z00006/H		1S	01/21/74	74000521	KPNP	PUVUNGA INDIAN VILLAGE SITES
LAN-Z00007		2D2	06/26/95	ADOE-19-85-001-001	DBPR	FS# 05-01-53-0094, ROHWER FLAT ARCH DIST CONTR.
		2D2	06/26/85	USFS821129A	DBPR	
LAN-Z00008		2S2	06/26/85	ADOE-19-85-001-999	DBPR	ROHWER FLAT ARCH.DISTRICT
		2S2	06/26/85	USFS821129A	DBPR	
LAN-Z00009		6Y	11/13/95	COE951006A	NDPR	WRECK OF THE JOANNA SMITH
LAN-Z00010		6Y	12/12/96	USAF961029A	SGPR	WHITE POINT REVETMENT 1

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD021205B	12/30/02	2S2	A
145751			JEFFERSON STREET PARK HISTORIC DIS	LOS ANGELES	P		HIST.RES.	DOE-19-02-1200-9999	09/10/02	2S2	AC
							PROJ.REVW.		09/10/02	2S2	AC
069409	19-173811		NORTH OF MISSION DISTRICT	LOS ANGELES	U		PROJ.REVW.		10/28/77	2S	
068421	19-173745		ZOBELEIN COURTYARD APARTMENTS	LOS ANGELES	U	1937	HIST.RES.	DOE-19-90-0002-9999	08/28/90	2S2	C
							PROJ.REVW.	FHWA900730C	08/28/90	2S2	C
069374	19-173799		DIETERLE HOUSE	LOS ANGELES	U		PROJ.REVW.	65000727	03/31/83		
069416	19-173812		J G PIERCE HOUSE	LOS ANGELES	U		PROJ.REVW.	65000952	03/31/83	2S	
069431	19-173816		SHERRY HOUSE	LOS ANGELES	U		PROJ.REVW.	65001017	03/31/83		
083731	19-174571		PARENTS OF WATTS REHABILITATION PR	LOS ANGELES	U		PROJ.REVW.	HUD901231I	08/18/93	6Y	
083730	19-174570		BELVEDERE PARK WEIGHT ROOM EXPANSI	LOS ANGELES	U		PROJ.REVW.	HUD901231H	08/18/93	6Y	
083729	19-174569		JESSE OWENS PARK MODIFICATIONS	LOS ANGELES	U		PROJ.REVW.	HUD901231G	08/18/93	6Y	
083773	19-174579		WILLOWBROOK PARK; DOMESTIC WATER A	LOS ANGELES	U		PROJ.REVW.	HUD910331X	08/20/93	6Y	
084731	19-174632		ANAHEIM STREET VIADUCT	LOS ANGELES	C	1922	HIST.RES.	DOE-19-93-0015-0000	11/22/93	6Y	
							PROJ.REVW.	FHWA931007A	11/22/93	6Y	
086696	19-174861		ARROYO SECO BRIDGE	LOS ANGELES	C	1896	HIST.RES.	DOE-19-94-0779-0000	01/05/94	6Y	
							PROJ.REVW.	ICC931013A	01/05/94	6Y	
086695	19-174860		LOS ANGELES RIVER BRIDGE	LOS ANGELES	C	1901	HIST.RES.	DOE-19-94-0778-0000	01/05/94	6Y	
							PROJ.REVW.	ICC931013A	01/05/94	6Y	
092306	19-174997		M.P. BRIDGE 2.41.5	LOS ANGELES	P	1906	HIST.RES.	DOE-19-94-0724-0000	10/27/94	7J	
							PROJ.REVW.	FHWA940929A	10/27/94	7J	
092303	19-174995		M P BRIDGE 2.17	LOS ANGELES	P	1936	HIST.RES.	DOE-19-94-0722-0000	10/27/94	6Y	
							PROJ.REVW.	FHWA940929A	10/27/94	6Y	
092305	19-174996		M.P. BRIDGE 2.08	LOS ANGELES	P	1936	HIST.RES.	DOE-19-94-0723-0000	10/27/94	6Y	
							PROJ.REVW.	FHWA940929A	10/27/94	6Y	
097474	30-175209		SINGLE QUARTERS (DIRECTOR)	LOS ANGELES	F	1900	HIST.RES.	DOE-19-81-0001-0004	11/30/81	2D2	AC
							PROJ.REVW.	VET810807A	11/04/81	2D2	AC
064833	19-173391		EAST OF HILL STREET CHINATOWN	LOS ANGELES	U		HIST.RES.	DOE-19-86-0103-9999	08/12/86	2S2	AC
							PROJ.REVW.	HUD860725m	08/12/86	2S2	AC
064834	19-173392		WEST OF HILL STREET CHINATOWN	LOS ANGELES	U		HIST.RES.	DOE-19-86-0104-9999	08/12/86	2S2	AC
							PROJ.REVW.	HUD860725n	08/12/86	2S2	AC
021277	19-167314		RATTLESNAKE ISLAND, TERMINAL ISLAN	LOS ANGELES	M	1907	HIST.RES.	DOE-19-88-0027-0000	09/01/88	6Y	
							PROJ.REVW.	INS880802A	09/01/88	6Y	
							HIST.SURV.	0053-0351-0000		7R	
027068	19-173044		McDONALD'S DRIVE IN AND SIGN	LOS ANGELES	U		HIST.SURV.	0053-4386-0000	01/01/84	2S2	
177126			ARROYO SECO PARKWAY HISTORIC DISTR	LOS ANGELES	M	1938	HIST.RES.	NPS-10001198-9999	02/04/11	1S	ABC
							NAT.REG.	19-0561	11/16/09	3S	ABC
							PROJ.REVW.	65000569	03/31/83	1S	ABC
176948			BEACON AVENUE HISTORIC DISTRICT	LOS ANGELES	P	1895	PROJ.REVW.	HUD091012B	10/22/09	2S2	AC
178268			OWENS RIVER CHANNEL	LOS ANGELES	F		PROJ.REVW.	EPA020913A	01/20/04	6Y	
178449			5TH-MAIN ST COMMERCIAL HISTORIC DI	LOS ANGELES	P	1887	PROJ.REVW.	HUD090909B	02/02/10	2S2	C
180039			SIERRA BONITA TRACT HISTORIC DISTR	LOS ANGELES	P	1912	PROJ.REVW.	HUD090826A	08/31/09	2S2	AC
184503			SKID ROW SINGLE-ROOM OCCUPANCY HOT	LOS ANGELES	P	1900	PROJ.REVW.	HUD101223J	12/31/10	2S2	C
153212			HARVARD HEIGHTS HISTORIC DISTRICT	LOS ANGELES	P	1897	HIST.RES.	DOE-19-02-1201-9999	08/29/02	2S2	
153569			VERMONT KNOLLS HISTORIC DISTRICT	LOS ANGELES			HIST.RES.	DOE-19-00-0098-9999	03/31/00	2S4	C
155217			ALTERNATE BATTERY COMMANDERS STATI	LOS ANGELES	F	1942	PROJ.REVW.	USAF010329A	05/14/01	6Y	
155216			BASE END STATION B6 FARLEY/PACIFIC	LOS ANGELES	F	1920	PROJ.REVW.	USAF010329A	05/14/01	5D3	
155215			BASE END STATION B4 MERRIAM/PACIFI	LOS ANGELES	F	1920	PROJ.REVW.	USAF010329A	05/14/01	5D3	
155218			UNDERGROUND PLOTTING SURVEY RADIO/	LOS ANGELES	F	1942	PROJ.REVW.	USAF010329A	05/14/01	5D3	
159574			WILSHIRE CENTER APARTMENT HISTORIC	LOS ANGELES	P	1926	HIST.RES.	DOE-19-06-0001-9999	02/15/06	2D2	AC
							PROJ.REVW.	HUD060206J	02/15/06	2D2	AC
162275			HEADWORKS SPREADING GROUNDS FACILI	LOS ANGELES			PROJ.REVW.	COE050419A	06/01/05	6Y	
162277			BALLONA CREEK BRIDGE/PACIFIC ELECT	LOS ANGELES		1925	HIST.RES.	DOE-19-00-0429-0001	04/18/00	2D2	
							PROJ.REVW.	FHWA000214A	04/18/00	2D2	
162047			UNION PACIFIC RAILROAD TRACKS/TIES	LOS ANGELES	P	1874	PROJ.REVW.	FHWA050923A	05/12/06	6Y	

Reports within the project area are highlighted in green.

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
167437			WELLINGTON SQUARE HISTORIC DIST	LOS ANGELES	P	1912	PROJ.REVW.	HUD050330C	04/21/05	2S2	AC
							HIST.RES.	DOE-19-05-0063-9999	04/21/05	2S2	AC
169881			OGDEN DRIVE HISTORIC DISTRICT	LOS ANGELES		1931	HIST.RES.	DOE-19-08-0001-9999	02/01/08	2D2	C
							PROJ.REVW.	HUD080104C	02/01/08	2D2	C
172028			SEPULVEDA FLOOD CONTROL DAM	LOS ANGELES	F	1941	PROJ.REVW.	FHWA070202B	03/14/07	2S2	AC
172541			27TH ST HISTORIC DISTRICT (AFRI AM	LOS ANGELES	P	1911	HIST.RES.	NPS-09000399-9999	06/11/09	1S	A
							NAT.REG.	19-0530	04/16/08	3S	A
172542			ZANJA MADRE	LOS ANGELES	C	1781	NAT.REG.	19-0531	08/04/08	7W	
172636			AFRICAN AMERICANS IN LOS ANGELES M	LOS ANGELES	PM	1890	HIST.RES.	NPS-64501036	03/17/09	1S	A
							NAT.REG.	19-0540	01/27/09	3S	A
068316	19-173711	0	BUILDING #43 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0052-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068315	19-173710	0	BUILDING #31 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0051-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068314	19-173709	0	BUILDING #15 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0050-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068313	19-173708	0	BUILDING #13 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0049-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068312	19-173707	0	BUILDING #12 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0048-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068317	19-173712	0	BUILDING #60 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0053-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068318	19-173713	0	BUILDING #62 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0054-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068320	19-173715	0	BUILDING #146 / LONG BEACH NAVAL S	LOS ANGELES	U		HIST.RES.	DOE-19-89-0056-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068386	19-173717	0	DUARTE PARK	LOS ANGELES	U		HIST.RES.	DOE-19-89-0044-0000	07/17/89	6Y	
							PROJ.REVW.	HUD890620E	07/17/89	6Y	
068321	19-173716	0	BUILDING #381 / LONG BEACH NAVAL S	LOS ANGELES	U		HIST.RES.	DOE-19-89-0057-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
068319	19-173714	0	BUILDING #81 / LONG BEACH NAVAL ST	LOS ANGELES	U		HIST.RES.	DOE-19-89-0055-0000	08/23/89	6Y	
							PROJ.REVW.	USN890731A	08/23/89	6Y	
099011	19-175616	3501	USC - MARK TAPER HALL OF HUMANITIE	LOS ANGELES	P	1949	HIST.RES.	DOE-19-94-0001-0020	06/29/94		
							PROJ.REVW.	HRG940202Z	06/29/94		
069699	19-173827	4301		LOS ANGELES	U	1930	PROJ.REVW.	HUD901030E	11/30/90	6Y	
023284	19-169308	6000		LOS ANGELES	P	1921	HIST.SURV.	0053-0792-0010		3D	
175429		5324 10TH AVE		LOS ANGELES	P	1923	PROJ.REVW.	HUD070529J	07/05/07	6U	
123786		5454 10TH AVE		LOS ANGELES	U	1921	HIST.RES.	DOE-19-00-0022-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
023384	19-169406	221 10TH ST		LOS ANGELES	P	1895	HIST.SURV.	0053-0835-0000		5D2	
023385	19-169407	231 10TH ST		LOS ANGELES	P	1895	HIST.SURV.	0053-0836-0000		5D2	
023386	19-169408	255 10TH ST		LOS ANGELES	P	1885	HIST.SURV.	0053-0837-0000		5D2	
023380	19-169402	303 10TH ST		LOS ANGELES	P	1915	HIST.SURV.	0053-0831-0000		5S2	
023379	19-169401	354 10TH ST		LOS ANGELES	P	1878	HIST.SURV.	0053-0830-0000		5S2	
023402	19-169424	689 10TH ST		LOS ANGELES	P	1925	HIST.SURV.	0053-0855-0000		7N	
							HIST.SURV.	0053-0885-0000		7R	
175531		343 111TH PL		LOS ANGELES	P	1924	PROJ.REVW.	HUD070529J	07/05/07	6U	
126010		11TH AVE		LOS ANGELES	Y	1921	HIST.RES.	DOE-19-00-0211-0000	05/15/00	6U	
							PROJ.REVW.	HUD001017Z	05/15/00	6U	
026574	19-172561	3434 11TH AVE		LOS ANGELES	P	1941	HIST.SURV.	0053-3902-0000		7R	
026575	19-172562	3604 11TH AVE		LOS ANGELES	M	1925	HIST.SURV.	0053-3903-0000		7R	
097885	19-175327	3612 11TH AVE	ANIMAL SHELTER	LOS ANGELES	M		HIST.RES.	DOE-19-94-0218-0000	08/08/94	6Y	
							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
116292		4721 11TH AVE		LOS ANGELES	P	1923	HIST.RES.	DOE-19-96-0206-0000	02/11/96	6U	
							PROJ.REVW.	HUD960801E	02/11/96	6U	
126008		5315 11TH AVE		LOS ANGELES	Y	1921	HIST.RES.	DOE-19-00-0211-0000	05/15/00	6U	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
024192	19-170214	1410 ALLESANDRO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1653-0000		5S2	
097925	19-175360	1429 ALLESANDRO ST		LOS ANGELES	M	1906	HIST.RES.	DOE-19-94-0246-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
024193	19-170215	1432 ALLESANDRO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1654-0000		5S2	
024142	19-170164	1445 ALLESANDRO ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1603-0000		5S2	
024141	19-170163	1507 ALLESANDRO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1602-0000		5S2	
024140	19-170162	1531 ALLESANDRO ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1601-0000		5S2	
024127	19-170149	1606 ALLESANDRO ST		LOS ANGELES	U	1915	HIST.SURV.	0053-1588-0000		5S2	
024126	19-170148	1610 ALLESANDRO ST		LOS ANGELES	U	1915	HIST.SURV.	0053-1587-0000		5S2	
024125	19-170147	1612 ALLESANDRO ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1586-0000		5S2	
025461	19-171452	1385 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2857-0000		7R	
025462	19-171453	1387 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2858-0000		7R	
025465	19-171456	1390 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2861-0000		7R	
025463	19-171454	1393 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2859-0000		7R	
025464	19-171455	1395 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2860-0000		7R	
025466	19-171457	1396 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2862-0000		7R	
025456	19-171447	1406 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2852-0000		7R	
025447	19-171438	1431 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2843-0000		7R	
025448	19-171439	1437 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2844-0000		7R	
025455	19-171446	1444 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2851-0000		7R	
025449	19-171440	1447 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2845-0000		7R	
025454	19-171445	1450 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2850-0000		7R	
025453	19-171444	1456 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2849-0000		7R	
025452	19-171443	1476 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2848-0000		7R	
025451	19-171442	1486 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2847-0000		7R	
025450	19-171441	1507 ALLISON AVE		LOS ANGELES	P		HIST.SURV.	0053-2846-0000		7R	
065410	19-173488	6007 ALLSTON ST		LOS ANGELES	U		PROJ.REVW.	HUD880908I	10/11/88	6Y	
083762	19-174574	6044 ALLSTON ST		LOS ANGELES	U	1928	PROJ.REVW.	HUD910331M	08/20/93	6Y	
081668	19-174484	6168 ALLSTON ST		LOS ANGELES	U	1939	PROJ.REVW.	HUD871027C	10/30/89	6Y	
069870	19-173865	6453 ALLSTON ST		LOS ANGELES	U		PROJ.REVW.	HUD860507D	06/03/86	6Y	
152990		2116 ALMADALE AVE		LOS ANGELES		1941	HIST.RES.	DOE-19-05-0057-0000	04/19/05	6U	
							PROJ.REVW.	HUD050404N	04/19/05	6U	
099878	19-175914	4401 ALPHA ST		LOS ANGELES		1924	HIST.RES.	DOE-19-95-0003-0005	11/20/95	6X	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099879	19-175915	4407 ALPHA ST		LOS ANGELES		1908	HIST.RES.	DOE-19-95-0003-0006	11/20/95	6X	AC
	19-155941						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099257	19-175725	4411 ALPHA ST	CHARLES PRICE HOUSE	LOS ANGELES	S	1912	HIST.RES.	DOE-19-95-0003-0007	11/20/95	2D2	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099877	19-175913	4411 ALPHA ST	CHARLES PRICE HOUSE	LOS ANGELES	P	1924	HIST.RES.	DOE-19-95-0003-0007	11/20/95	2D2	AC
	19-155940						PROJ.REVW.	FHWA830201A	03/07/95	2D2	AC
099259	19-175727	4417 ALPHA ST	RALPH PRICE HOUSE	LOS ANGELES	S	1912	HIST.RES.	DOE-19-95-0003-0008	11/20/95	2D2	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099880	19-175916	4417 ALPHA ST	RALPH PRICE HOUSE	LOS ANGELES	S	1912	HIST.RES.	DOE-19-95-0003-0008	11/20/95	2D2	AC
	19-155939						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099260	19-175728	4423 ALPHA ST	CHRISTIANER HOUSE	LOS ANGELES	P	1912	HIST.RES.	DOE-19-95-0003-0009	11/20/95	2D2	AC
	19-155938						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099882	19-175917	4427 ALPHA ST		LOS ANGELES		1913	HIST.RES.	DOE-19-95-0003-0010	11/20/95	6X	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099263	19-175731	4431 ALPHA ST	ELEANOR DICEY HOUSE	LOS ANGELES	P	1913	HIST.RES.	DOE-19-95-0003-0011	11/20/95	2D2	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099266	19-175734	4437 ALPHA ST	MARY DICEY HOUSE	LOS ANGELES	P	1908	HIST.RES.	DOE-19-95-0003-0012	11/20/95	2D2	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099883	19-175918	4441 ALPHA ST		LOS ANGELES		1912	HIST.RES.	DOE-19-95-0003-0013	11/20/95	6X	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099884	19-175919	4447 ALPHA ST		LOS ANGELES		1920	HIST.RES.	DOE-19-95-0003-0014	11/20/95	6X	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
099268	19-175736	4451 ALPHA ST	PICKERING HOUSE	LOS ANGELES	S	1940	HIST.RES.	DOE-19-95-0003-0015	11/20/95	2D2	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099886	19-175920	4501 ALPHA ST		LOS ANGELES		1948	HIST.RES.	DOE-19-95-0003-0016	11/20/95	6X	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
099271	19-175739	4507 ALPHA ST	PACKARD HOUSE	LOS ANGELES	S	1913	HIST.RES.	DOE-19-95-0003-0017	11/20/95	2D2	AC
	19-155937						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099275	19-175742	4511 ALPHA ST	ARMSTRONG HOUSE	LOS ANGELES	P	1940	HIST.RES.	DOE-19-95-0003-0018	11/20/95	2D2	AC
	19-155936						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099280	19-175744	4517 ALPHA ST	HOAGLAND HOUSE	LOS ANGELES	P	1910	HIST.RES.	DOE-19-95-0003-0019	11/20/95	2D2	AC
	19-155935						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099888	19-175921	4527 ALPHA ST		LOS ANGELES		1916	HIST.RES.	DOE-19-95-0003-0020	11/20/95	6X	AC
	19-155934						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099889	19-175922	4531 ALPHA ST	ROMERO-GLASS HOUSE	LOS ANGELES		1930	HIST.RES.	DOE-19-95-0003-0021	11/20/95	2D2	AC
	19-155933						PROJ.REVW.	FHWA830201A	03/07/95	7M	
024940	19-170960	1027 ALPINE ST	JOSEPH MOFFAT RENTAL COTTAGE	LOS ANGELES	P	1880	HIST.SURV.	0053-2330-0000		7N	
024353	19-170375	2115 ALSACE AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1821-0000		7R	
	19-157584										
024354	19-170376	2117 ALSACE AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-1822-0000		7R	
	19-157583										
024355	19-170377	2226 ALSACE AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-1823-0000		7R	
	19-157582										
070500	19-173996	2227 ALSACE AVE		LOS ANGELES	U	1922	PROJ.REVW.	HUD910520O	06/11/91	6Y	
024356	19-170378	2322 ALSACE AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1824-0000		7R	
	19-157581										
024357	19-170379	2416 ALSACE AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-1825-0000		7R	
	19-157653										
127471		2510 ALSACE AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-01-0017-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127472		2516 ALSACE AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-01-0018-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127473		2517 ALSACE AVE		LOS ANGELES		1928	HIST.RES.	DOE-19-01-0019-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127474		2520 ALSACE AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-01-0020-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127475		2521 ALSACE AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-01-0021-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127476		2524 ALSACE AVE		LOS ANGELES		1927	HIST.RES.	DOE-19-01-0022-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127477		2525 ALSACE AVE		LOS ANGELES		1900	HIST.RES.	DOE-19-01-0023-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
024352	19-170374	2614 ALSACE AVE		LOS ANGELES	P	1890	HIST.SURV.	0053-1820-0000		7R	
	19-157448										
024358	19-170380	2731 ALSACE AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1826-0000		7R	
	19-157449										
024359	19-170381	2761 ALSACE AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-1827-0000		7R	
	19-157450										
131049		2830 ALSACE AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-02-0160-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
097926	19-175361	2905 ALSACE AVE		LOS ANGELES	M	1929	HIST.RES.	DOE-19-94-0248-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
137692		2332 ALTA ST		LOS ANGELES		1902	HIST.RES.	DOE-19-02-1182-0000	08/01/02	6U	
							PROJ.REVW.	HUD02O8	08/01/02	6U	
152614		1824 ALTIVO WY		LOS ANGELES		1926	HIST.RES.	DOE-19-03-0462-0000	07/31/03	6Y	
							PROJ.REVW.	HUD030801A	07/31/03	6Y	
136764		1222 ALTON ST		LOS ANGELES		1938	HIST.RES.	DOE-19-03-0022-0000	01/31/03	6U	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD030103G	01/31/03	6U	
020993	19-167054	2808 ALTURA ST	LOS ANGELES CHURCH OF THE EPIPHANY	LOS ANGELES	P	1887	HIST.SURV.	0053-0174-0000		3S	
024722	19-170742	4556 ALUMNI AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-2191-0000		5S2	
	19-157829										
024723	19-170743	4562 ALUMNI AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-2192-0000		7R	
	19-157828										
024724	19-170744	4600 ALUMNI AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-2193-0000		5S2	
	19-157827										
024976	19-170988	670 ALVARADO ST		LOS ANGELES	P	1890	HIST.SURV.	0053-2366-0000		5S2	
024977	19-170989	688 ALVARADO ST	BILAK BUILDING	LOS ANGELES	P	1928	HIST.SURV.	0053-2367-0000		7N	
024292	19-170314	932 ALVARADO ST		LOS ANGELES	P	1920	HIST.SURV.	0053-1753-0000		5S2	
024295	19-170317	1022 ALVARADO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1756-0000		5S2	
024293	19-170315	1023 ALVARADO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1754-0000		5S2	
024294	19-170316	1027 ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1755-0000		5S2	
024296	19-170318	1030 ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1757-0000		5S2	
064828	19-173386	1147 ALVARADO ST	WINSTEL RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860730Q	08/12/86	2	C
024201	19-170223	1214 ALVARADO ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1662-0000		5S2	
024202	19-170224	1217 ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1663-0000		5S2	
024200	19-170222	1317 ALVARADO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1661-0000		5S2	
024199	19-170221	1323 ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1660-0000		5S2	
024198	19-170220	1327 ALVARADO ST		LOS ANGELES	P	1920	HIST.SURV.	0053-1659-0000		5S2	
024197	19-170219	1333 ALVARADO ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1658-0000		5S2	
024196	19-170218	1353 ALVARADO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1657-0000		5S2	
064826	19-173384	1360 ALVARADO ST	LOS ANGELES FIRST CHURCH OF CHRIST	LOS ANGELES	U		PROJ.REVW.	HUD860730O	08/12/86	2	C
020927	19-166996	1366 ALVARADO ST	PEOPLES TEMPLE CHRISTIAN CH	LOS ANGELES	P	1912	HIST.SURV.	0053-0118-0000		7N	
024195	19-170217	1400 ALVARADO ST		LOS ANGELES	P	1920	HIST.SURV.	0053-1656-0000		5S2	
024194	19-170216	1410 ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1655-0000		5S2	
024146	19-170168	1459 ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1607-0000		5S2	
026059	19-172047	ALVARADO TERRACE	ALVARADO TERRACE HISTORIC DISTRICT	LOS ANGELES	P	1902	HIST.SURV.	NPS-84000783-9999	05/17/84	1S	AC
069911	19-173884	ALVARADO TERRACE	ALVARADO TERRACE DISTRICT	LOS ANGELES	P	1902	HIST.RES.	DOE-19-86-0100-9999	08/12/86	2S2	C
							PROJ.REVW.	HUD860730K	08/12/86	2S2	C
020720	19-166806	1225 ALVARADO TERRACE	MORRIS R COHN HOUSE	LOS ANGELES	P	1902	HIST.SURV.	0053-0002-0000		7N	
020719	19-166805	1317 ALVARADO TERRACE	BOYLE-BARMORE HOUSE / 'JOEL HOUSE'	LOS ANGELES	P	1905	PROJ.REVW.	HUD860730K	08/12/86	2D2	C
							HIST.RES.	DOE-19-86-0100-0003	08/12/86	2D2	C
							HIST.RES.	NPS-84000783-0002	05/17/84	1D	AC
							HIST.SURV.	0053-3387-0000	09/01/81	3S	
							HIST.SURV.	0053-0001-0000	06/16/75	7N	
026045	19-172033	1325 ALVARADO TERRACE	COHN, MORRIS R. HOUSE	LOS ANGELES	P	1902	HIST.SURV.	NPS-84000783-0003	01/01/84	1D	
							HIST.SURV.	0053-3388-0000		3S	
069914	19-173886	1325 ALVARADO TERRACE	COHN HOUSE	LOS ANGELES	P	1902	HIST.RES.	DOE-19-86-0100-0001	08/12/86	2D2	C
							PROJ.REVW.	HUD860730K	08/12/86	2D2	C
069926	19-173889	1333 ALVARADO TERRACE	GILBERT HOUSE	LOS ANGELES	P	1903	HIST.RES.	DOE-19-86-0100-0004	08/12/86	2D2	C
							PROJ.REVW.	HUD860730K	08/12/86	2D2	C
026046	19-172034	1333 ALVARADO TERRACE	GILBERT, WILBER F. HOUSE	LOS ANGELES	P	1903	TAX.CERT.	537.9-19-0242	02/23/01	2D3	
							HIST.SURV.	NPS-84000783-0004	05/17/84	1D	AC
							HIST.SURV.	0053-0003-0000		7N	
							HIST.SURV.	0053-3389-0000		3S	
026053	19-172041	1345 ALVARADO TERRACE	POWERS HOUSE	LOS ANGELES	P	1904	HIST.SURV.	NPS-84000783-0011	05/17/84	1D	AC
							HIST.SURV.	0053-0004-0000		7N	
069927	19-173890	1345 ALVARADO TERRACE	POWERS HOUSE	LOS ANGELES	P	1904	HIST.RES.	DOE-19-86-0100-0005	08/12/86	2D2	C
							PROJ.REVW.	HUD860730K	08/12/86	2D2	C
025983	19-171971	1346 ALVARADO TERRACE	POMEROY POWERS RESIDENCE	LOS ANGELES	P	1904	HIST.SURV.	0053-3390-0000		3S	
025984	19-171972	1353 ALVARADO TERRACE	RAPHAEL, ROBERT H. HOUSE	LOS ANGELES	P	1902	HIST.SURV.	NPS-84000783-0005	05/17/84	1D	AC
							HIST.SURV.	0053-3391-0000		3S	
							HIST.SURV.	0053-0005-0000		7N	
069915	19-173887	1353 ALVARADO TERRACE	RAPHAEL HOUSE	LOS ANGELES	P	1903	HIST.RES.	DOE-19-86-0100-0002	08/12/86	2D2	C

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD860730K	08/12/86	2D2	C
069932	19-173895	1400 ALVARADO TERRACE	HANNAS HOUSE	LOS ANGELES	P	1905	PROJ.REVW.	HUD860730K	08/12/86	2D2	C
026052	19-172040	1400 ALVARADO TERRACE	HANNAS, M. H. HOUSE	LOS ANGELES	P	1905	HIST.SURV.	NPS-84000783-0010	05/17/84	1D	AC
020724	19-166807	1401 ALVARADO TERRACE	KINNEY, ARTHUR W. HOUSE / EVERHARD	LOS ANGELES	P	1902	HIST.SURV.	NPS-84000783-0006	05/17/84	1D	AC
							HIST.SURV.	0053-0006-0000		7N	
							HIST.SURV.	0053-3392-0000		3S	
069928	19-173891	1401 ALVARADO TERRACE	KINNEY-EVERHARDY HOUSE	LOS ANGELES	P	1902	HIST.RES.	DOE-19-86-0100-0006	08/12/86	2D2	C
							PROJ.REVW.	HUD860730K	08/12/86	2D2	C
069931	19-173894	1406 ALVARADO TERRACE	RIVEROLL HOUSE	LOS ANGELES	P	1906	PROJ.REVW.	HUD860730K	08/12/86	2D2	C
026051	19-172039	1406 ALVARADO TERRACE	RIVEROLL, MANUEL HOUSE	LOS ANGELES	P	1906	HIST.SURV.	NPS-84000783-0009	05/17/84	1D	AC
							HIST.SURV.	0053-3414-0000		3S	
064827	19-173385	1406 ALVARADO TERRACE	RIVEROLL RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860730P	08/12/86	2	C
026056	19-172044	1407 ALVARADO TERRACE		LOS ANGELES	P	1960	HIST.SURV.	NPS-84000783-0014	05/17/84	6X	
069935	19-173898	1407 ALVARADO TERRACE		LOS ANGELES	P	1960	PROJ.REVW.	HUD860730K	08/12/86	6Y	
069937	19-173900	1410 ALVARADO TERRACE		LOS ANGELES	P	1920	PROJ.REVW.	HUD860730K	08/12/86	6Y	C
026058	19-172046	1410 ALVARADO TERRACE		LOS ANGELES	P	1920	HIST.SURV.	NPS-84000783-0016	05/17/84	6X	
026050	19-172038	1414 ALVARADO TERRACE		LOS ANGELES	P	1910	HIST.SURV.	NPS-84000783-0008	05/17/84	1D	AC
069930	19-173893	1414 ALVARADO TERRACE	1414-16-18 ALVARADO TERRACE	LOS ANGELES	P	1910	PROJ.REVW.	HUD860730K	08/12/86	2D2	C
069936	19-173899	1415 ALVARADO TERRACE	MILNER APARTMENTS	LOS ANGELES	P	1928	PROJ.REVW.	HUD860730K	08/12/86	6Y	
026057	19-172045	1415 ALVARADO TERRACE	MILNER APARTMENTS	LOS ANGELES	P	1928	HIST.SURV.	NPS-84000783-0015	05/17/84	6X	
026049	19-172037	1421 ALVARADO TERRACE	HENDERSON, HENRY HOUSE	LOS ANGELES	P	1905	HIST.SURV.	NPS-84000783-0007	05/17/84	1D	AC
069929	19-173892	1421 ALVARADO TERRACE	HENDERSON HOUSE	LOS ANGELES	P	1905	PROJ.REVW.	HUD860730K	08/12/86	2D2	C
026009	19-171997	1451 ALVARADO TERRACE	FIRST CHURCH OF CHRIST SCIENTIST,	LOS ANGELES	P	1912	HIST.SURV.	0053-3412-0000		3S	
064825	19-173383	1451 ALVARADO TERRACE	LOS ANGELES FIRST CHURCH OF CHRIST	LOS ANGELES	U		PROJ.REVW.	HUD860730N	08/12/86	2	C
107721	19-176472	ALVIRA ST	1000-1200 BLOCKS ALVIRA STREET	LOS ANGELES	P	1932	HIST.RES.	DOE-19-95-0190-0004	11/07/95	2D2	C
							PROJ.REVW.		11/07/95	2D2	C
127478		718 AMADOR ST		LOS ANGELES		1914	HIST.RES.	DOE-19-01-0024-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
081612	19-174471	522 AMALIA AVE		LOS ANGELES	U	1936	PROJ.REVW.	HUD871027C	08/29/89	6Y	
065045	19-173457	647 AMALIA AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870123L	02/19/87	6Y	
083779	19-174580	1110 AMALIA AVE		LOS ANGELES	U	1927	PROJ.REVW.	HUD910630Z	08/24/93	6Y	
175272		4540 AMBER PL		LOS ANGELES	P	1942	PROJ.REVW.	HUD070529J	07/05/07	6U	
131050		10169 AMBOY AVE		LOS ANGELES			HIST.RES.	DOE-19-02-0161-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
073092	19-174060	3260 AMETHYST ST		LOS ANGELES	U	1912	PROJ.REVW.	HUD910828K	09/12/91	6Y	
125074		3521 AMETHYST ST		LOS ANGELES	Y	1918	HIST.RES.	DOE-19-98-0268-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
100370	19-175992	7020 AMIGO AVE		LOS ANGELES	P	1926	HIST.RES.	DOE-19-95-0119-0000	06/20/95	6Y	
							PROJ.REVW.	HRG940202Z	06/20/95	6Y	
097760	19-175251	7265 AMIGO AVE	RESEDA ELEMENTARY SCHOOL	LOS ANGELES	D	1936	HIST.RES.	DOE-19-94-0531-0000	08/15/94	2S2	
							PROJ.REVW.	HRG940202Z	08/15/94	2S2	
024725	19-170745	3300 ANDRITA ST		LOS ANGELES	P	1919	HIST.SURV.	0053-2194-0000		5S2	
180045		12210 ANETA ST		LOS ANGELES	P	1951	PROJ.REVW.	HUD100927C	10/12/10	6U	
147935		5123 ANGELES VISTA BLVD		LOS ANGELES	P	1930	HIST.RES.	DOE-19-03-0443-0000	11/26/03	6Y	
							PROJ.REVW.	FCC031006D	11/26/03	6Y	
147938		5128 ANGELES VISTA BLVD		LOS ANGELES	P	1933	HIST.RES.	DOE-19-03-0446-0000	11/26/03	6Y	
							PROJ.REVW.	FCC031006D	11/26/03	6Y	
147937		5132 ANGELES VISTA BLVD		LOS ANGELES	P	1929	HIST.RES.	DOE-19-03-0445-0000	11/26/03	6Y	
							PROJ.REVW.	FCC031006D	11/26/03	6Y	
147936		5138 ANGELES VISTA BLVD		LOS ANGELES	P	1950	HIST.RES.	DOE-19-03-0444-0000	11/26/03	6Y	
							PROJ.REVW.	FCC031006D	11/26/03	6Y	
097927	19-175362	1329 ANGELUS AVE		LOS ANGELES	U	1916	HIST.RES.	DOE-19-94-0075-0000	04/07/94	6Y	
							PROJ.REVW.	HRG940202Z	04/07/94	6Y	
152991		9620 ANTWERP ST		LOS ANGELES		1924	HIST.RES.	DOE-19-05-0058-0000	04/19/05	6U	
							PROJ.REVW.	HUD050404N	04/19/05	6U	
161439		11837 ANTWERP ST		LOS ANGELES		1926	PROJ.REVW.	HUD051221A	12/21/05	6U	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
	19-165589										
026723	19-172710	5700 AVALON BLVD	WEBER SHOWCASE & FIXTURE CO, GILLE	LOS ANGELES	P	1920	HIST.SURV.	0053-4056-0000		3S	
	19-165591										
025643	19-171632	7650 AVALON BLVD		LOS ANGELES	P	1936	HIST.SURV.	0053-3047-0000		7N	
	19-166784										
025644	19-171633	8201 AVALON BLVD		LOS ANGELES	P	1927	HIST.SURV.	0053-3048-0000		7N	
	19-165365										
025696	19-171685	10401 AVALON BLVD		LOS ANGELES	P	1920	HIST.SURV.	0053-3100-0000		5S2	
025697	19-171686	10900 AVALON BLVD		LOS ANGELES	P	1922	HIST.SURV.	0053-3101-0000		7N	
025698	19-171687	10950 AVALON BLVD		LOS ANGELES	P	1933	HIST.SURV.	0053-3102-0000		7N	
025699	19-171688	11122 AVALON BLVD	BRASHIERS GLASS-SCREEN COMPANY	LOS ANGELES	P	1925	HIST.SURV.	0053-3103-0000		5S2	
083769	19-174576	13232 AVALON BLVD		LOS ANGELES	U		PROJ.REVW.	HUD910331T	08/20/93	6Y	
026807	19-172787	271 AVE 18		LOS ANGELES	P	1885	HIST.SURV.	0053-4127-0000		7N	
025496	19-171486	368 AVE 21	J BUSHARD/J MESMER/V VIGNES RESIDE	LOS ANGELES	P	1880	HIST.RES.	DOE-19-86-0098-0000	06/06/86	2S2	BC
							PROJ.REVW.	HUD860603N	06/06/86	2S2	BC
							HIST.SURV.	0053-2899-0000		7N	
025500	19-171490	220 AVE 22	JAMES A. DECOURCY RENTAL	LOS ANGELES	P	1885	HIST.SURV.	0053-2903-0000		7R	
024781	19-170801	511 AVE 22		LOS ANGELES	P	1908	HIST.SURV.	0053-2250-0000		7R	
026757	19-172741	121 AVE 23		LOS ANGELES	P	1890	HIST.SURV.	0053-4090-0000		7N	
025501	19-171491	221 AVE 24	JAMES A. DECOURCY RENTAL	LOS ANGELES	P	1885	HIST.SURV.	0053-2904-0000		7R	
026758	19-172742	170 AVE 26		LOS ANGELES	P	1894	HIST.SURV.	0053-4091-0000		7N	
024782	19-170802	570 AVE 26	LAWRYS FOODS INCORPORATED	LOS ANGELES	P	1979	HIST.SURV.	0053-2251-0000		7R	
024783	19-170803	600 AVE 27	METROPOLE HOTEL APARTMENTS	LOS ANGELES	P	1910	HIST.SURV.	0053-2252-0000		5S2	
024730	19-170750	2522 AVE 30		LOS ANGELES	P	1905	HIST.SURV.	0053-2199-0000		5S2	
024731	19-170751	2567 AVE 30		LOS ANGELES	P	1906	HIST.SURV.	0053-2200-0000		7R	
024733	19-170753	2546 AVE 31		LOS ANGELES	P	1915	HIST.SURV.	0053-2202-0000		5S2	
024734	19-170754	2620 AVE 32		LOS ANGELES	P	1925	HIST.SURV.	0053-2203-0000		5S2	
024741	19-170761	2816 AVE 33		LOS ANGELES	P	1912	HIST.SURV.	0053-2210-0000		7R	
024742	19-170762	2810 AVE 34		LOS ANGELES	P	1925	HIST.SURV.	0053-2211-0000		5S2	
024743	19-170763	3835 AVE 42		LOS ANGELES	P	1905	HIST.SURV.	0053-2212-0000		7R	
024744	19-170764	1520 AVE 46		LOS ANGELES	P	1925	HIST.SURV.	0053-2213-0000		5S2	
156324		1262 AVE 50		LOS ANGELES	P	1925	PROJ.REVW.	FCC050916B	10/17/05	6Y	
026812	19-172792	226 AVE 56		LOS ANGELES	P	1902	HIST.SURV.	0053-4132-0000		7N	
026814	19-172794	200 AVE 58		LOS ANGELES	P	1923	HIST.SURV.	0053-4134-0000		7N	
097934	19-175366	3923 AVE DEL SOL		LOS ANGELES	M	1926	HIST.RES.	DOE-19-94-0082-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
145853		2839 AVENEL ST	AVENEL HOUSING ASSOCIATION PROJECT	LOS ANGELES	P	1947	HIST.RES.	NPS-05000070-9999	02/27/05	1S	C
							NAT.REG.	19-0446	03/01/04	3S	C
152925		2849 AVENEL ST	AVENEL HOUSING ASSOCIATION PROJECT	LOS ANGELES	P	1947	HIST.RES.	NPS-05000070-0001	02/27/05	1D	C
175664		315 AVENUE 63		LOS ANGELES	P	1910	PROJ.REVW.	HUD090126A	01/28/09	6U	
152137		300 AVERY ST		LOS ANGELES	P	1913	PROJ.REVW.	FCC061024D	12/13/06	6Y	
							PROJ.REVW.	FCC060407L	04/26/06	6Y	
							HIST.RES.	DOE-19-05-0005-0000	01/12/05	6Y	
							PROJ.REVW.	FCC041206L	01/12/05	6Y	
180049		14967 AZTEC ST		LOS ANGELES	P	1955	PROJ.REVW.	HUD100927C	10/12/10	6U	
131602		5349 BABCOCK AVE		LOS ANGELES	P	1953	HIST.RES.	DOE-19-02-0478-0000	03/20/02	6Y	
							PROJ.REVW.	FTA010604A	03/20/02	6Y	
116313		6903 BAIRD AVE		LOS ANGELES	P	1940	HIST.RES.	DOE-19-96-0227-0000	10/29/96	6U	
							PROJ.REVW.	HUD970203Z	10/29/96	6U	
116314		6909 BAIRD AVE		LOS ANGELES	P	1944	HIST.RES.	DOE-19-96-0228-0000	11/12/96	6U	
							PROJ.REVW.	HUD970203Z	11/12/96	6U	
153911		9218 BAIRD AVE		LOS ANGELES		1900	PROJ.REVW.	HUD040329B	04/21/04	6U	
066524	19-173618	9233 BAIRD AVE		LOS ANGELES	U		PROJ.REVW.	HUD880309K	04/05/88	6Y	
131055		8903 BALBOA AVE		LOS ANGELES		1946	HIST.RES.	DOE-19-02-0165-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
097936	19-175367	6649 BALBOA BLVD	WEST VALLEY SPECIAL EDUCATION CENT	LOS ANGELES	D	1944	HIST.RES.	DOE-19-94-0083-0000	08/08/94	6Y	
							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
025484	19-171475	3201 BALDWIN ST	HENRY M BINFORD RESIDENCE	LOS ANGELES	P	1887	HIST.RES.	DOE-19-86-0085-0000	06/06/86	2S2	C
	19-156049						PROJ.REVW.	HUD860603A	06/06/86	2S2	C
							HIST.SURV.	0053-2887-0000		7N	
181242		11019 BALFOUR ST		LOS ANGELES	P	1949	PROJ.REVW.	HUD110131A	02/11/11	6U	
131056		4815 BALTIMORE ST		LOS ANGELES		1937	HIST.RES.	DOE-19-02-0166-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
024617	19-170638	5512 BALTIMORE ST		LOS ANGELES	P	1909	HIST.SURV.	0053-2085-0000		7R	
	19-156697										
024618	19-170639	5652 BALTIMORE ST		LOS ANGELES	P	1909	HIST.SURV.	0053-2086-0000		7R	
	19-156698										
150045		5663 BALTIMORE ST		LOS ANGELES	P	1907	HIST.RES.	DOE-19-04-0160-0000	09/30/04	6Y	
							PROJ.REVW.	HUD041006D	09/30/04	6Y	
096822	19-175157	11742 BANDERA AVE		LOS ANGELES	P	1920	PROJ.REVW.	HUD950612W	07/19/95	6Y	
096823	19-175158	11746 BANDERA AVE		LOS ANGELES	P	1925	PROJ.REVW.	HUD950612W	07/19/95	6Y	
096824	19-175159	11750 BANDERA AVE		LOS ANGELES	P	1925	PROJ.REVW.	HUD950612W	07/19/95	6Y	
096828	19-175160	11752 BANDERA AVE		LOS ANGELES	P	1925	PROJ.REVW.	HUD950612W	07/19/95	6Y	
096829	19-175161	11756 BANDERA AVE		LOS ANGELES	P	1920	PROJ.REVW.	HUD950612W	07/19/95	6Y	
096830	19-175162	11758 BANDERA AVE		LOS ANGELES	P	1930	PROJ.REVW.	HUD950612W	07/19/95	6Y	
023790	19-165292	9418 BANDERA ST		LOS ANGELES	P	1919	HIST.SURV.	0053-1246-0000		7R	
	19-169812										
023791	19-165291	9518 BANDERA ST		LOS ANGELES	P	1924	HIST.SURV.	0053-1247-0000		7R	
	19-169813										
150046		9814 BANDERA ST		LOS ANGELES		1922	HIST.RES.	DOE-19-04-0161-0000	09/30/04	6Y	
							PROJ.REVW.	HUD041006D	09/30/04	6Y	
067039	19-173653	5555 BANDINI BLVD	LOS ANGELES BULK MAIL CENTER	LOS ANGELES	U		PROJ.REVW.	USPS890726B	01/11/90	6Y	
021506	19-167538	BANNER AVE	6200 BLOCK BANNER AVENUE	LOS ANGELES	P	1911	HIST.SURV.	0053-0399-9999		5S2	
021497	19-167529	6207 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0001		5D2	
021498	19-167530	6212 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0002		5D2	
021499	19-167531	6213 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0003		5D2	
021500	19-167532	6219 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0004		5D2	
021501	19-167533	6222 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0005		5D2	
021502	19-167534	6223 BANNER AVE		LOS ANGELES	M	1920	HIST.RES.	DOE-19-94-0472-0000	04/27/94	5D2	
							PROJ.REVW.	HRG940202Z	04/27/94	5D1	
							HIST.SURV.	0053-0399-0006		5D1	
021503	19-167535	6229 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0007		5D2	
021505	19-167537	6233 BANNER AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0399-0009		5D2	
021504	19-167536	6239 BANNER AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0399-0008		5D2	
124525		3800 BARHAM BLVD	PACIFIC BELL MOBILE SERVICES FACIL	LOS ANGELES	P		PROJ.REVW.	FCC990916D	09/23/99	6Y	
154025		8942 BARING CROSS AVE		LOS ANGELES		1920	PROJ.REVW.	HUD040202L	02/02/04	6U	
131057		9109 BARING CROSS AVE		LOS ANGELES		1922	HIST.RES.	DOE-19-02-0167-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
180165		8929 BARING CROSS ST		LOS ANGELES	P	1926	PROJ.REVW.	HUD101007A	10/28/10	6Y	
171634		9217 BARING CROSS ST		LOS ANGELES	P	1921	PROJ.REVW.	HUD080109F	04/17/08	6U	
021231	19-167274	BARLOW SAXON RD	BATTERY JOHN BARLOW & RUFUS SAXTON	LOS ANGELES	D	1915	HIST.RES.	NPS-82002200-0000	05/04/82	1S	
							HIST.SURV.	0053-0335-0000	01/01/82	1S	
024930	19-170950	829 BARTLETT ST	JOHN A. DONNELLY RESIDENCE	LOS ANGELES	P	1886	HIST.RES.	DOE-19-86-0105-0000	08/12/86	2S2	C
							PROJ.REVW.	HUD860725o	08/12/86	2S2	C
							HIST.SURV.	0053-2320-0000		5S2	
023800	19-169822	9306 BEACH ST		LOS ANGELES	P	1923	HIST.SURV.	0053-1256-0000		7R	
	19-165282										
023801	19-169823	9308 BEACH ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1257-0000		7R	
	19-165281										
023802	19-169824	9405 BEACH ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1258-0000		7R	
	19-165280										

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							PROJ.REVW.	HUD980202K	02/02/98	6Y	
099334	19-175794	3022 BELLEVUE AVE		LOS ANGELES	P	1924	HIST.RES.	DOE-19-94-0084-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
116218		3505 BELLEVUE AVE		LOS ANGELES	P	1944	HIST.RES.	DOE-19-96-0146-0000	02/29/96	6U	
							PROJ.REVW.	HUD960801E	02/29/96	6U	
131458		504 BELLINGHAM AVE	S.B. GLEASON RESIDENCE	LOS ANGELES	P	1936	HIST.RES.	DOE-19-02-0341-0000	03/20/02	2S2	C
							PROJ.REVW.	FTA010604A	03/20/02	2S2	C
131608		5352 BELLINGHAM AVE		LOS ANGELES	P	1954	HIST.RES.	DOE-19-02-0484-0000	03/20/02	6Y	
							PROJ.REVW.	FTA010604A	03/20/02	6Y	
024332	19-170354	500 BELMONT AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-1793-0000		5S2	
024331	19-170353	504 BELMONT AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1792-0000		5S2	
024333	19-170355	505 BELMONT AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1794-0000		5S2	
024334	19-170356	1706 BELMONT AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1795-0000		5S2	
024335	19-170357	1712 BELMONT AVE		LOS ANGELES	P	1898	HIST.SURV.	0053-1796-0000		5S2	
099335	19-175795	1803 BELOIT AVE		LOS ANGELES	P		HIST.RES.	DOE-19-94-0085-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
131800		11934 BEN AVE		LOS ANGELES	P	1945	HIST.RES.	DOE-19-02-0669-0000	03/20/02	6Y	
							PROJ.REVW.	FTA010604A	03/20/02	6Y	
131801		11942 BEN AVE		LOS ANGELES	P	1945	HIST.RES.	DOE-19-02-0670-0000	03/20/02	6Y	
							PROJ.REVW.	FTA010604A	03/20/02	6Y	
115662		2337 BENEDICT CANYON DR	KRESS, GEORGE R., HOUSE	LOS ANGELES	P	1931	HIST.RES.	NPS-98001196-0000	09/25/98	1S	BC
							NAT.REG.	19-0263	05/28/98	3S	BC
119382		2735 BENEDICT ST		LOS ANGELES	P	1922	HIST.RES.	DOE-19-95-0303-0000	08/23/95	6U	
							PROJ.REVW.	HUD950823G	08/23/95	6U	
171638		1035 BERENDO ST		LOS ANGELES	P	1932	PROJ.REVW.	HUD080109F	04/17/08	6U	
171637		1039 BERENDO ST		LOS ANGELES	P	1932	PROJ.REVW.	HUD080109F	04/17/08	6U	
073117	19-174066	4028 BERENICE AVE		LOS ANGELES	U	1902	PROJ.REVW.	HUD910912E	09/19/91	6Y	
	19-155850										
026787	19-172768	4218 BERENICE AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-4121-0000		7N	
	19-156005										
097764	19-175255	4312 BERENICE AVE	LATONA AVENUE SCHOOL	LOS ANGELES	D	1937	HIST.RES.	DOE-19-94-0533-0000	08/15/94	6Y	
							PROJ.REVW.	HRG940202Z	08/15/94	6Y	
024134	19-170156	2230 BERKELEY AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1595-0000		5S2	
024135	19-170157	2232 BERKELEY AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1596-0000		5S2	
024136	19-170158	2302 BERKELEY AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1597-0000		5S2	
024129	19-170151	2303 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1590-0000		5S2	
024130	19-170152	2307 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1591-0000		5S2	
024131	19-170153	2311 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1592-0000		5S2	
024137	19-170159	2312 BERKELEY AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1598-0000		5S2	
024132	19-170154	2321 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1593-0000		5S2	
024133	19-170155	2325 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1594-0000		5S2	
024138	19-170160	2326 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1599-0000		5S2	
024139	19-170161	2332 BERKELEY AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-1600-0000		5S2	
099210	19-175684	4320 BERKSHIRE AVE	ALBERT SMITH HOUSE	LOS ANGELES	P	1910	HIST.RES.	DOE-19-95-0003-0033	11/20/95	2D2	AC
	19-155913						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099211	19-175685	4333 BERKSHIRE AVE	McKINNEY HOUSE	LOS ANGELES	P	1912	HIST.RES.	DOE-19-95-0003-0034	11/20/95	2D2	AC
	19-155914						PROJ.REVW.	FHWA830201A	03/07/95	7M	
099891	19-175923	4339 BERKSHIRE AVE		LOS ANGELES		1963	HIST.RES.	DOE-19-95-0003-0037	11/20/95	6X	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	
074233	19-174133	4345 BERKSHIRE AVE		LOS ANGELES	U	1906	PROJ.REVW.	HUD911212A	01/07/92	6Y	
	19-155915										
099212	19-175686	4345 BERKSHIRE AVE	DAISY EVANS HOUSE	LOS ANGELES	P	1909	HIST.RES.	DOE-19-95-0003-0036	11/20/95	2D2	AC
							PROJ.REVW.	FHWA830201A	03/07/95	7M	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
123753		2442 BOULDER ST		LOS ANGELES	U	1901	HIST.RES.	DOE-19-99-0324-0000	02/01/99	6Y	
							PROJ.REVW.	HUD990201N	02/01/99	6Y	
096291	19-175125	2517 BOULDER ST		LOS ANGELES	P	1928	PROJ.REVW.	HUD950511O	06/19/95	6Y	
123810		2541 BOULDER ST		LOS ANGELES	U	1924	HIST.RES.	DOE-19-00-0047-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
150051		5816 BOWCROFT ST		LOS ANGELES		1949	HIST.RES.	DOE-19-04-0166-0000	09/30/04	6Y	
							PROJ.REVW.	HUD041006D	09/30/04	6Y	
175289		5888 BOWCROFT ST		LOS ANGELES	P	1949	PROJ.REVW.	HUD070529J	07/05/07	6U	
100371	19-175993	2708 BOWMONT DR	COLD WATER CANYON WATER TANK	LOS ANGELES	M	1925	HIST.RES.	DOE-19-95-0120-0000	05/04/95	6Y	
							PROJ.REVW.	HRG940202Z	05/04/95	6Y	
025483	19-171474	563 BOYLSTON AVE		LOS ANGELES	P		HIST.SURV.	0053-2879-0000		7R	
025482	19-171473	567 BOYLSTON AVE		LOS ANGELES	P		HIST.SURV.	0053-2878-0000		7R	
025218	19-171209	573 BOYLSTON AVE	MARTIN C MARSH RESIDENCE	LOS ANGELES	P	1903	HIST.SURV.	0053-2613-0000		5S2	
025481	19-171472	611 BOYLSTON AVE		LOS ANGELES	P		HIST.SURV.	0053-2877-0000		7R	
025480	19-171471	613 BOYLSTON AVE		LOS ANGELES	P		HIST.SURV.	0053-2876-0000		7R	
175548		12123 BRADDOCK DR		LOS ANGELES		1950	PROJ.REVW.	HUD080707A	07/22/08	6U	
085045	19-174649	711 BRADSHAW AVE		LOS ANGELES	P	1923	PROJ.REVW.	HUD931119F	12/24/93	6Y	
153163		711 BRADSHAWE AVE		LOS ANGELES		1923	PROJ.REVW.	HUD030710C	11/14/03	6U	
134479		732 BRADY AVE		LOS ANGELES		1926	HIST.RES.	DOE-19-02-1068-0000	10/09/02	6U	
							PROJ.REVW.	HUD021009N	10/09/02	6U	
176943		749 BRADY AVE		LOS ANGELES	P	1936	PROJ.REVW.	HUD091013U	10/23/09	6Y	
163589		1108 BREA CANYON RD	CINGULAR LSANCA0236/11-025	LOS ANGELES	P	1941	PROJ.REVW.	FCC060802E	08/29/06	6Y	
131085		5840 BRENTWOOD ST		LOS ANGELES			HIST.RES.	DOE-19-02-0168-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
096330	19-175134	623 BRIDEWELL ST		LOS ANGELES	P		PROJ.REVW.	HUD950515H	06/21/95	6Y	
101157	19-176384	2622 BRIGHTON AVE		LOS ANGELES	P	1920	PROJ.REVW.	HUD960304G	03/13/96	6Y	
136772		7224 BRIGHTON AVE		LOS ANGELES		1925	HIST.RES.	DOE-19-03-0027-0000	01/31/03	6U	
							PROJ.REVW.	HUD030103G	01/31/03	6U	
116317		7406 BRIGHTON AVE		LOS ANGELES	P	1927	HIST.RES.	DOE-19-96-0231-0000	08/02/96	6U	
							PROJ.REVW.	HUD970203Z	08/02/96	6U	
024746	19-170766	3740 BRILLIANT PL		LOS ANGELES	P	1943	HIST.SURV.	0053-2215-0000		7R	
120793		343 BROAD AVE	LONGSHOREMEN'S DISPATCH HALL	LOS ANGELES	M	1924	HIST.RES.	DOE-19-99-0212-0000	01/27/99	6Y	
							PROJ.REVW.	BUR981221A	01/27/99	6Y	
120794		507 BROAD AVE		LOS ANGELES	P	1922	HIST.RES.	DOE-19-99-0213-0000	01/27/99	6Y	
							PROJ.REVW.	BUR981221A	01/27/99	6Y	
024881	19-170901	BROADWAY	CHINATOWN EAST OF HILL ST	LOS ANGELES	P	1937	HIST.SURV.	0053-2318-9999		7R	
026759	19-172743	BROADWAY	BROADWAY STREET CLOCK	LOS ANGELES	P	1910	HIST.SURV.	0053-4092-0000		5S2	
090791	19-174929	BROADWAY	LOS ANGELES HIGH SCHOOL	LOS ANGELES	M	1873	HIST.RES.	SPHI-LAN-024	02/27/76	7L	
128772		242 BROADWAY	VICTOR CLOTHING COMPANY	LOS ANGELES		1914	TAX.CERT.	537.9-19-0262	05/04/02	2D3	AC
024964	19-170980	401 BROADWAY	BROADWAY DEPARTMENT STORE, BROADWA	LOS ANGELES	P	1890	HIST.SURV.	0053-2354-0000		3S	
023581	19-169603	402 BROADWAY		LOS ANGELES	P	1911	HIST.SURV.	0053-1036-0000		5S2	
023582	19-169604	403 BROADWAY		LOS ANGELES	P	1907	HIST.SURV.	0053-1037-0000		5S2	
023583	19-169605	404 BROADWAY		LOS ANGELES	P	1911	HIST.SURV.	0053-1038-0000		5S2	
023584	19-169606	407 BROADWAY		LOS ANGELES	P	1911	HIST.SURV.	0053-1039-0000		5S2	
023585	19-169607	408 BROADWAY		LOS ANGELES	P	1911	HIST.SURV.	0053-1040-0000		5S2	
023586	19-169608	517 BROADWAY		LOS ANGELES	P	1913	HIST.SURV.	0053-1041-0000		5S2	
023587	19-169609	520 BROADWAY		LOS ANGELES	P	1925	HIST.SURV.	0053-1042-0000		7R	
023588	19-169610	521 BROADWAY		LOS ANGELES	P	1906	HIST.SURV.	0053-1043-0000		5S2	
023589	19-169611	535 BROADWAY		LOS ANGELES	P	1907	HIST.SURV.	0053-1044-0000		5S2	
023590	19-169612	550 BROADWAY		LOS ANGELES	P	1924	HIST.SURV.	0053-1045-0000		5S2	
023591	19-169613	551 BROADWAY		LOS ANGELES	P	1910	HIST.SURV.	0053-1046-0000		3S	
023592	19-169614	553 BROADWAY		LOS ANGELES	P	1909	HIST.SURV.	0053-1047-0000		5S2	
073786	19-174108	810 BROADWAY	RIALTO THEATER	LOS ANGELES	P	0	TAX.CERT.	537.9-19-0101	01/22/90	6X	
026760	19-172744	3013 BROADWAY		LOS ANGELES	P	1908	HIST.SURV.	0053-4093-0000		5S2	
026761	19-172745	3015 BROADWAY		LOS ANGELES	P	1908	HIST.SURV.	0053-4094-0000		5S2	

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026768	19-172751	3110 BROADWAY		LOS ANGELES	P	1880	HIST.SURV.	0053-4101-0000		7N	
021496	19-167528	BRONSON AVE	STREET LIGHTS	LOS ANGELES	M	1920	HIST.SURV.	0053-0398-0000		5S2	
021571	19-167599	BRONSON AVE	STREET LIGHTS	LOS ANGELES	P	1920	HIST.SURV.	0053-0461-0000		7R	
022151	19-168178	BRONSON AVE	1100-1400 BLOCKS BRONSON AVENUE	LOS ANGELES	P	1909	HIST.SURV.	0053-0699-9999		5S2	
182393		BRONSON AVE	BOULEVARD HEIGHTS / 658-899 BLOCKS	LOS ANGELES	P	1905	NAT.REG.	19-0610	05/11/11	7J	
021572	19-167600	1717 BRONSON AVE		LOS ANGELES	P	1904	HIST.SURV.	0053-0462-0000		3S	
175291		2507 BRONSON AVE		LOS ANGELES	P	1923	PROJ.REVW.	HUD070529J	07/05/07	6U	
181239		5830 BROOKFIELD AVE		LOS ANGELES	P	1929	PROJ.REVW.	HUD110131A	02/11/11	6U	
075442	19-174235	2100 BROOKLYN AVE	FELHANDLER BLOCK AND BAKERY	LOS ANGELES	P	1928	HIST.RES.	DOE-19-94-0684-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
							PROJ.REVW.	HUD920228A	03/23/92	6Y	
075443	19-174236	2104 BROOKLYN AVE		LOS ANGELES	U	1930	PROJ.REVW.	HUD920228B	03/23/92	6Y	
091420	19-174954	2105 BROOKLYN AVE	HOTEL VINOGARD	LOS ANGELES	P	1927	HIST.RES.	DOE-19-94-0691-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
075444	19-174237	2109 BROOKLYN AVE		LOS ANGELES	U	1928	PROJ.REVW.	HUD920228C	03/23/92	6Y	
075446	19-174239	2110 BROOKLYN AVE		LOS ANGELES	U	1905	PROJ.REVW.	HUD920228E	03/23/92	6Y	
075445	19-174238	2111 BROOKLYN AVE		LOS ANGELES	U	1928	PROJ.REVW.	HUD920228D	03/23/92	6Y	
075447	19-174240	2114 BROOKLYN AVE		LOS ANGELES	U	1926	PROJ.REVW.	HUD920228F	03/23/92	6Y	
075448	19-174241	2115 BROOKLYN AVE		LOS ANGELES	U	1910	PROJ.REVW.	HUD920228G	03/23/92	6Y	
075449	19-174242	2120 BROOKLYN AVE		LOS ANGELES	U	1921	PROJ.REVW.	HUD920228H	03/23/92	6Y	
075450	19-174243	2126 BROOKLYN AVE		LOS ANGELES	U	1920	PROJ.REVW.	HUD920228I	03/23/92	6Y	
091419	19-174953	2127 BROOKLYN AVE		LOS ANGELES	P	1924	HIST.RES.	DOE-19-94-0692-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
075451	19-174244	2130 BROOKLYN AVE		LOS ANGELES	U	1920	PROJ.REVW.	HUD920228J	03/23/92	6Y	
091418	19-174952	2135 BROOKLYN AVE		LOS ANGELES	P	1924	HIST.RES.	DOE-19-94-0693-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
075452	19-174245	2138 BROOKLYN AVE		LOS ANGELES	U	1924	PROJ.REVW.	HUD920228K	03/23/92	6Y	
091417	19-174951	2209 BROOKLYN AVE		LOS ANGELES	P	1927	HIST.RES.	DOE-19-94-0694-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
070258	19-173936	2401 BROOKLYN AVE		LOS ANGELES	U	1929	PROJ.REVW.	HUD910404H	05/06/91	6Y	
070257	19-173935	2415 BROOKLYN AVE		LOS ANGELES	U	1918	PROJ.REVW.	HUD910404G	05/06/91	6Y	
070251	19-173929	2423 BROOKLYN AVE		LOS ANGELES	U	1929	PROJ.REVW.	HUD910404A	05/06/91	6Y	
072934	19-174054	2427 BROOKLYN AVE		LOS ANGELES	U	1921	PROJ.REVW.	HUD910828D	09/10/91	6Y	
070256	19-173934	2433 BROOKLYN AVE		LOS ANGELES	U	1925	PROJ.REVW.	HUD910404F	05/06/91	6Y	
070255	19-173933	2433 BROOKLYN AVE		LOS ANGELES	U	1925	PROJ.REVW.	HUD910404E	05/06/91	6Y	
070254	19-173932	2445 BROOKLYN AVE		LOS ANGELES	U	1912	PROJ.REVW.	HUD910404D	05/06/91	6Y	
070253	19-173931	2455 BROOKLYN AVE		LOS ANGELES	U	1923	PROJ.REVW.	HUD910404C	05/06/91	6Y	
070252	19-173930	2459 BROOKLYN AVE		LOS ANGELES	U	1926	PROJ.REVW.	HUD910404B	05/06/91	6Y	
027104	19-173072	4209 BROOKLYN AVE	LALOS	LOS ANGELES	P	1920	HIST.SURV.	0053-4426-0000		7R	
065181	19-173466	4709 BROOKLYN AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870505B	05/13/87	6Y	
023593	19-169615	315 BROOKS AVE	J. A. STANWOOD	LOS ANGELES	P	1914	HIST.SURV.	0053-1048-0000		7R	
023594	19-169616	321 BROOKS AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-1049-0000		7R	
023595	19-169617	325 BROOKS AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-1050-0000		5S2	
023596	19-169618	402 BROOKS AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-1051-0000		5S2	
023597	19-169619	411 BROOKS AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-1052-0000		5S2	
023598	19-169620	418 BROOKS AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-1053-0000		5S2	
023599	19-169621	425 BROOKS AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-1054-0000		7R	
023600	19-169622	503 BROOKS AVE	THE NAZARINE CHURCH	LOS ANGELES	P	1911	HIST.SURV.	0053-1055-0000		7R	
023601	19-169623	530 BROOKS AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-1056-0000		5S2	
023602	19-169624	542 BROOKS AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1057-0000		5S2	
023603	19-169625	556 BROOKS AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-1058-0000		5S2	
023604	19-169626	566 BROOKS AVE		LOS ANGELES	P	1909	HIST.SURV.	0053-1059-0000		5S2	
116321		1722 BROWNING PL		LOS ANGELES	P	1928	HIST.RES.	DOE-19-96-0233-0000	09/05/96	6U	
							PROJ.REVW.	HUD970203Z	09/05/96	6U	
065906	19-173535	945 BROXTON AVE	FOX VILLAGE THEATRE	LOS ANGELES	P	1930	HIST.RES.	DOE-19-89-0025-0000	06/19/89	2S2	C
							PROJ.REVW.	FHWA890613A	06/19/89	2S2	C

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185475		2279 CAMBRIDGE ST	HARVARD HEIGHTS HD/CONTRIBUTING HO	LOS ANGELES	P		PROJ.REVW.	HUD091012C	10/26/09	2D2	C
185546		2283 CAMBRIDGE ST	HARVARD HEIGHTS HD/NON-CONTRIBUTOR	LOS ANGELES	P		PROJ.REVW.	HUD091012C	10/26/09	6Y	
076494	19-174251	1847 CAMINO PALMERO	C E TOBERMAN ESTATE	LOS ANGELES	P	1926	TAX.CERT.	537.9-19-0138	09/20/83	2S3	
							HIST.RES.	NPS-83001205-0000	09/15/83	1S	AC
024747	19-170767	1429 CAMPUS RD		LOS ANGELES	P	1911	HIST.SURV.	0053-2216-0000		5S2	
024748	19-170768	1433 CAMPUS RD		LOS ANGELES	P	1913	HIST.SURV.	0053-2217-0000		5S2	
020999	19-156366	1600 CAMPUS RD	OCCIDENTAL COLLEGE	LOS ANGELES	P	1911	HIST.SURV.	0053-0180-0000		3S	
	19-156373										
	19-167060										
	19-156374										
	19-156370										
	19-156375										
	19-156378										
	19-156376										
	19-156372										
	19-156369										
	19-156371										
	19-156367										
	19-156379										
	19-156380										
	19-156368										
	19-156381										
	19-156377										
	19-156382										
127494		1803 CAMPUS RD		LOS ANGELES		1900	HIST.RES.	DOE-19-01-0040-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
186173		CAMROSE DR	CAMROSE DRIVE HOLLYWOOD HEIGHTS HI	LOS ANGELES	P	1923	PROJ.REVW.	HUD110606F	06/20/11	2D2	C
027334	19-173264	6809 CAMROSE DR	HIGHLAND-CAMROSE BUNGALOW #1	LOS ANGELES	C	1920	HIST.SURV.	0053-4631-0001	03/16/89	1D	C
							HIST.RES.	DOE-19-87-0008-0001	03/19/87	2D2	C
							PROJ.REVW.	HUD870127W	03/19/87	2D2	C
027335	19-173265	6819 CAMROSE DR	HIGHLAND-CAMROSE BUNGALOW #2	LOS ANGELES	C	1916	HIST.SURV.	0053-4631-0002	03/16/89	1D	C
							HIST.RES.	DOE-19-87-0008-0002	03/19/87	2D2	C
							PROJ.REVW.	HUD870127W	03/19/87	2D2	C
182873		6943 CAMROSE DR		LOS ANGELES	P	1926	PROJ.REVW.	HUD110606F	06/20/11	2D2	C
025918	19-171907	426 CAMULOS ST		LOS ANGELES	P	1905	HIST.SURV.	0053-3324-0000		7R	
025919	19-171908	500 CAMULOS ST		LOS ANGELES	P	1910	PROJ.REVW.	HUD040202L	02/02/04	6U	
							HIST.SURV.	0053-3325-0000		7R	
025915	19-171904	629 CAMULOS ST		LOS ANGELES	P	1906	HIST.SURV.	0053-3321-0000		7N	
025916	19-171905	631 CAMULOS ST		LOS ANGELES	P	1912	HIST.SURV.	0053-3322-0000		5S2	
025920	19-171909	639 CAMULOS ST		LOS ANGELES	P	1913	HIST.SURV.	0053-3326-0000		7R	
025921	19-171910	655 CAMULOS ST		LOS ANGELES	P	1913	HIST.SURV.	0053-3327-0000		7R	
025917	19-171906	753 CAMULOS ST	LA SANTA CRUZ LUTHERAN CHURCH	LOS ANGELES	P	1955	HIST.SURV.	0053-3323-0000		7R	
072830	19-174031	945 CAMULOS ST		LOS ANGELES	U	1920	PROJ.REVW.	HUD910703B	07/12/91	6Y	
182692		7238 CANBY AVE		LOS ANGELES	P	1960	PROJ.REVW.	HUD110502H	05/12/11	6U	
094940	19-175087	CANNERY ST	FORMER JAPANESE FISHING VILLAGE OF	LOS ANGELES	M		ST.PT.INT.	19-0205	10/05/92	7J	
025635	19-171624	10525 CANTARA ST		LOS ANGELES	P	1945	HIST.SURV.	0053-3039-0000		7R	
096326	19-175130	4120 CANTO DR		LOS ANGELES	P	1923	PROJ.REVW.	HUD950515D	06/21/95	6Y	
021587	19-167615	CANYON DR	1700 & 1800 BLOCK OF CANYON DRIVE	LOS ANGELES	P	1903	HIST.SURV.	0053-0463-9999		3S	
021573	19-167601	1747 CANYON DR		LOS ANGELES	P	1919	HIST.SURV.	0053-0463-0001		3S	
021574	19-167602	1755 CANYON DR		LOS ANGELES	P	1919	HIST.SURV.	0053-0463-0002		3D	
021575	19-167603	1761 CANYON DR		LOS ANGELES	P	1919	HIST.SURV.	0053-0463-0003		3D	
021576	19-167604	1803 CANYON DR		LOS ANGELES	P	1919	HIST.SURV.	0053-0463-0004		3S	
021577	19-167605	1808 CANYON DR		LOS ANGELES	P	1913	HIST.SURV.	0053-0463-0005		3D	
021578	19-167606	1809 CANYON DR		LOS ANGELES	P	1907	HIST.SURV.	0053-0463-0006		3D	
021579	19-167607	1826 CANYON DR		LOS ANGELES	P	1910	HIST.SURV.	0053-0463-0007		3D	
021580	19-167608	1834 CANYON DR		LOS ANGELES	P	1913	HIST.SURV.	0053-0463-0008		3D	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HRG940202Z	03/29/95	2S2	
020736	19-166818	CARROLL AVE	1300 BLOCK OF CARROLL AVENUE	LOS ANGELES	P	1880	HIST.SURV.	0053-0008-9999	01/01/76	1S	
020726	19-166808	1300 CARROLL AVE	ARON P. PHILLIPS HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0008-0001	01/01/79	1D	
							HIST.RES.	NPS-76000488-0000	04/22/76		
							HIST.SURV.	0053-2572-0000		3S	
020727	19-166809	1316 CARROLL AVE	HORACE M RUSSELL HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0008-0002	01/01/76	1D	
							HIST.SURV.	0053-2570-0000		3S	
064608	19-173347	1316 CARROLL AVE	RUSSELL CARRIAGE HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-2571-0000		7R	
020728	19-166810	1320 CARROLL AVE	FERDINAND A. HEIM HOUSE	LOS ANGELES	P	1888	TAX.CERT.	537.9-19-0327	03/05/04	7J	
							HIST.SURV.	0053-0008-0003	01/01/76	1D	
							HIST.SURV.	0053-2569-0000		3S	
025168	19-171167	1321 CARROLL AVE	1145 COURT STREET HOME	LOS ANGELES	P	1887	HIST.SURV.	0053-2563-0000		7N	
020729	19-166811	1324 CARROLL AVE	JOHN SCHEERER HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0008-0004	01/01/76	1D	
							HIST.SURV.	0053-4086-0000		7N	
025167	19-171166	1325 CARROLL AVE	HIRAM IREY/JOHN M HOUSER RESIDENCE	LOS ANGELES	P	1887	HIST.SURV.	0053-2562-0000		3S	
020730	19-166812	1329 CARROLL AVE	DANIEL INNES HOUSE	LOS ANGELES	P	1887	TAX.CERT.	537.9-19-0316	05/19/03	7J	
							HIST.SURV.	0053-0008-0005	01/01/76	1D	
							HIST.SURV.	0053-2561-0000		3S	
020731	19-166813	1330 CARROLL AVE	CHARLES SESSIONS HOUSE	LOS ANGELES	P	1889	HIST.SURV.	0053-0008-0006	01/01/76	1D	
							HIST.SURV.	0053-2568-0000		7R	
020732	19-166814	1340 CARROLL AVE		LOS ANGELES	P	1907	HIST.SURV.	0053-0008-0007	01/01/76	1D	
							HIST.SURV.	0053-2567-0000		7N	
020733	19-166815	1344 CARROLL AVE	CHARLES C HASKINS HOUSE	LOS ANGELES	P	1895	TAX.CERT.	537.9-19-0317	05/19/03	7J	
							HIST.SURV.	0053-0008-0008	01/01/76	1D	
							HIST.SURV.	0053-2566-0000		3S	
020734	19-166816	1345 CARROLL AVE	MICHAEL SANDERS HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0008-0009	01/01/76	1D	
025170	19-171169	1354 CARROLL AVE	P McMANUS-E B VAN HORNE RESIDENCE	LOS ANGELES	P	1902	HIST.SURV.	0053-2565-0000		7R	
020735	19-166817	1355 CARROLL AVE	HENRY L. PINNEY HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0008-0010	01/01/76	1D	
025163	19-171164	1355 CARROLL AVE	HENRY L. PINNEY RESIDENCE	LOS ANGELES	P	1887	HIST.SURV.	0053-2558-0000		7N	
025164	19-171165	1355 CARROLL AVE	HENRY L. PINNEY CARRIAGE HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-2559-0000		7N	
025226	19-171217	1401 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2621-0000		7R	
025235	19-171226	1406 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2630-0000		7R	
021000	19-167061	1407 CARROLL AVE	J B WINSTON HOUSE	LOS ANGELES	P	1889	HIST.SURV.	0053-0181-0000		3S	
							HIST.SURV.	0053-4087-0000		7N	
025162	19-171163	1411 CARROLL AVE	FRANK & EMMA KAISER RESIDENCE	LOS ANGELES	P	1888	HIST.SURV.	0053-2557-0000		7N	
025234	19-171225	1412 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2629-0000		7R	
025169	19-171168	1416 CARROLL AVE	JAMES McMURRAY RESIDENCE	LOS ANGELES	P	1887	HIST.SURV.	0053-2564-0000		7R	
025227	19-171218	1421 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2622-0000		7R	
025233	19-171224	1422 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2628-0000		7R	
025232	19-171223	1426 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2627-0000		7R	
025231	19-171222	1432 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2626-0000		7R	
025228	19-171219	1437 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2623-0000		7R	
021001	19-167062	1441 CARROLL AVE	KASPARE COHN HOSPITAL, J. S. LUCKE	LOS ANGELES	P	1887	HIST.SURV.	0053-0182-0000		7N	
							HIST.SURV.	0053-2556-0000		7N	
025230	19-171221	1442 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2625-0000		7R	
025229	19-171220	1446 CARROLL AVE		LOS ANGELES	P		HIST.SURV.	0053-2624-0000		7R	
021267	19-167304	CARROLL CANAL CT	CARROLL CANAL	LOS ANGELES	M	1905	HIST.SURV.	0053-0347-0001	08/30/82	1D	AC
116323		4602 CARTWRIGHT AVE		LOS ANGELES	P	1928	HIST.RES.	DOE-19-96-0235-0000	11/12/96	6U	
							PROJ.REVW.	HUD970203Z	11/12/96	6U	
125972		6050 CASE AVE		LOS ANGELES	Y	1942	HIST.RES.	DOE-19-00-0174-0000	05/26/00	6U	
							PROJ.REVW.	HUD001017Z	05/26/00	6U	
070141	19-173923	4700 CASSATT ST		LOS ANGELES	U	1937	PROJ.REVW.	HUD910307C	04/10/91	6Y	
096327	19-175131	3228 CASTALIA AVE		LOS ANGELES	P		PROJ.REVW.	HUD950515E	06/21/95	6Y	
150054		4410 CATALPA ST		LOS ANGELES		1940	HIST.RES.	DOE-19-04-0169-0000	09/30/04	6Y	
							PROJ.REVW.	HUD041006D	09/30/04	6Y	
069761	19-173846	5061 CAVANAGH RD		LOS ANGELES	U	1927	PROJ.REVW.	HUD901115I	12/12/90	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
	19-157377										
153013		3620 COLLIS AVE		LOS ANGELES		1940	PROJ.REVW.	HUD050404N	04/19/05	6U	
027373	19-173301	2022 COLORADO BLVD	EAGLE ROCK CONGREGATIONAL CHURCH,	LOS ANGELES	P	1924	HIST.SURV.	0053-4652-0000		7N	
021003	19-155004	2035 COLORADO BLVD	EAGLE ROCK CITY HALL	LOS ANGELES	M	1922	HIST.RES.	DOE-19-94-0478-0000	08/08/94	2S2	
	19-167064						PROJ.REVW.	HRG940202Z	08/08/94	2S2	
							HIST.SURV.	0053-0184-0000		3S	
136525		2222 COLORADO BLVD	1-DAY PAINT & BODY CENTER / SHOPPI	LOS ANGELES	P	1948	CAL.REG.	19-0421	01/24/03	7W	
021258	19-167296	2224 COLORADO BLVD	EAGLE ROCK LIBRARY	LOS ANGELES	M	1914	PROJ.REVW.	HRG940202Z	09/30/94	7K	
							PROJ.REVW.	HUD910311A	04/04/91	7K	
							ST.FND.PRG	619.0-HP-88-19-013	12/19/88	3	
							HIST.RES.	NPS-87001004-0000	05/19/87	1S	AC
							ST.FND.PRG	619.0-HP-SF-19-002	10/01/86	7L	
127500		1544 COLTON ST		LOS ANGELES		1948	HIST.RES.	DOE-19-01-0047-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
127501		1548 COLTON ST		LOS ANGELES		1937	HIST.RES.	DOE-19-01-0048-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
125235		5920 COMEY AVE		LOS ANGELES	P	1928	HIST.RES.	DOE-19-00-0123-0000	02/16/00	6Y	
							PROJ.REVW.	HUD000216G	02/16/00	6Y	
021214	19-167262	10116 COMMERCE AVE	BOLTON HALL	LOS ANGELES	M	1913	HIST.RES.	DOE-19-94-0354-0000	08/27/94	2S2	
							PROJ.REVW.	HRG940202Z	08/27/94	2S2	
							FED.FND.PR	629.0-78-HPF-19-01	01/01/78	7L	
							HIST.RES.	NPS-71000159-0000	11/23/71	1S	
							HIST.SURV.	0053-0318-0000	01/01/71	1S	
							HIST.RES.	SPHI-LAN-002	01/26/68	7L	
021203	19-167251	10250 COMMERCE AVE	TUJUNGA EMERGENCY HOSPITAL	LOS ANGELES	P	1921	HIST.SURV.	0053-0307-0000		7N	
181245		2535 COMMERCE WY		LOS ANGELES	P	1924	PROJ.REVW.	HUD110131A	02/11/11	6U	
027107	19-173075	601 COMMERCIAL ST	CASA DE LUIS VIGNES, BREW 102	LOS ANGELES	U		HIST.SURV.	0053-4429-0000		7R	
163641		837 COMMERCIAL ST	AMAY'S BAKERY AND NOODLE CO.	LOS ANGELES		1939	PROJ.REVW.	FRA031117A	01/15/04	6Y	
096978	19-175169	2512 COMMODORE ST		LOS ANGELES	P	1885	PROJ.REVW.	HUD950630E	07/20/95	6Y	
145886		1149 COMMONWEALTH AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-03-0334-0000	01/31/03	6U	
							PROJ.REVW.	HUD030103G	01/31/03	6U	
097975	19-175393	1910 COMMONWEALTH AVE	FRANKLIN AVENUE ELEMENTARY SCHOOL	LOS ANGELES	D	1926	HIST.RES.	DOE-19-94-0120-0000	05/04/94	6L	
							PROJ.REVW.	HRG940202Z	05/04/94	6Y	
081600	19-174467	6919 COMPTON AVE		LOS ANGELES	U		PROJ.REVW.	HUD871027C	08/29/89	6Y	
153862		7000 COMPTON AVE		LOS ANGELES		1913	PROJ.REVW.	HUD040329B	04/21/04	6U	
180392		7000 COMPTON AVE		LOS ANGELES	P	1913	PROJ.REVW.	HUD100802K	08/05/10	6U	
153689		7313 COMPTON AVE		LOS ANGELES		1928	PROJ.REVW.	HUD040329B	04/21/04	6U	
023815	19-169837	9328 COMPTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-1271-0000		7R	
023816	19-169838	9408 COMPTON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-1272-0000		7R	
023817	19-169839	10166 COMPTON AVE	CHURCH OF THE HOLY REDEEMER	LOS ANGELES	P	1948	HIST.SURV.	0053-1273-0000		7R	
134472		11716 COMPTON AVE		LOS ANGELES		1926	HIST.RES.	DOE-19-02-1062-0000	10/09/02	6U	
							PROJ.REVW.	HUD021009N	10/09/02	6U	
096329	19-175133	1115 CONCORD ST		LOS ANGELES	P	1923	PROJ.REVW.	HUD950515G	06/21/95	6Y	
021248	19-167288	3255 CONNECTICUT ST	LA PUBLIC LIBRARY BRANCHES, PIO PI	LOS ANGELES	U	1923	HIST.RES.	REG-870519B-0000	05/19/87	6X	
026014	19-172002	1357 CONSTANCE ST	MORRIS MARKS RESIDENCE	LOS ANGELES	P	1901	HIST.SURV.	0053-3417-0000		3S	
064829	19-173387	1357 CONSTANCE ST	MARKS RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860730S	08/12/86	2	C
072704	19-174014	4841 CONVERSE ST		LOS ANGELES	U	1912	PROJ.REVW.	HUD910620B	07/22/91	6Y	
066748	19-173644	6819 CONVERSE ST		LOS ANGELES	U		PROJ.REVW.	HUD880627G	07/21/88	6Y	
155861		5042 COOLIDGE AVE		LOS ANGELES	P	1953	PROJ.REVW.	FHWA010423D	06/20/01	6Y	
175298		5783 CORBETT ST		LOS ANGELES	P	1948	PROJ.REVW.	HUD070529J	07/05/07	6U	
064979	19-173443	1321 CORDON DR	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD861112I	11/24/86	6Y	
097977	19-175394	14930 CORONA DEL MAR		LOS ANGELES	M	1932	HIST.RES.	DOE-19-94-0121-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
104855	19-176448	15040 CORONA DEL MAR		LOS ANGELES	P	1930	HIST.RES.	DOE-19-96-0044-0000	10/29/96	6Y	
							PROJ.REVW.	FHWA961007A	10/29/96	6Y	

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131094		1826 CRENSHAW BLVD		LOS ANGELES			HIST.RES.	DOE-19-02-0177-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
116326		1833 CRENSHAW BLVD		LOS ANGELES	P	1922	HIST.RES.	DOE-19-96-0238-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
116327		1837 CRENSHAW BLVD		LOS ANGELES	P	1922	HIST.RES.	DOE-19-96-0239-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
097979	19-175396	3602 CRENSHAW BLVD		LOS ANGELES	M	1925	HIST.RES.	DOE-19-94-0123-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
023843	19-162205	3651 CRENSHAW BLVD	RIVIERA SOFA BEDS	LOS ANGELES	P	1940	HIST.SURV.	0053-1299-0000		5S2	
	19-169865										
	19-157394										
023844	19-157395	3683 CRENSHAW BLVD	FAMILY SAVINGS & LOAN	LOS ANGELES	P	1963	HIST.SURV.	0053-1300-0000		5S2	
	19-169866										
023845	19-169867	3875 CRENSHAW BLVD	ANGELUS FUNERAL HOME	LOS ANGELES	P	1951	HIST.SURV.	0053-1301-0000		5S2	
	19-157396										
026569	19-172556	3956 CRENSHAW BLVD		LOS ANGELES	P	1939	HIST.SURV.	0053-3897-0000		7R	
	19-157360										
026570	19-172557	3964 CRENSHAW BLVD		LOS ANGELES	P	1939	HIST.SURV.	0053-3898-0000		7R	
	19-157361										
023846	19-169868	3969 CRENSHAW BLVD	NEWBERRY STORE	LOS ANGELES	P	1949	HIST.SURV.	0053-1302-0000		3S	
023847	19-169869	4001 CRENSHAW BLVD	ROBINSON MAY COMPANY	LOS ANGELES	P	1947	HIST.RES.	DOE-19-04-0015-0000	03/08/04	2S2	
							PROJ.REVW.	FCC040120L	03/08/04	2S2	
							HIST.SURV.	0053-1303-0000		3S	
023848	19-169870	4101 CRENSHAW BLVD	BROADWAY DEPARTMENT STORE	LOS ANGELES	P	1948	HIST.SURV.	0053-1304-0000		3S	
023849	19-169871	4107 CRENSHAW BLVD	F. W. WOOLWORTH COMPANY	LOS ANGELES	P	1948	HIST.SURV.	0053-1305-0000		3S	
179184		4401 CRENSHAW BLVD		LOS ANGELES	P	1957	PROJ.REVW.	FCC100208I	02/25/10	6Y	
125086		5400 CRENSHAW BLVD		LOS ANGELES	Y	1924	HIST.RES.	DOE-19-98-0277-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
119386		5440 CRENSHAW BLVD		LOS ANGELES	P	1934	HIST.RES.	DOE-19-95-0307-0000	08/23/95	6U	
							PROJ.REVW.	HUD950823K	08/23/95	6U	
166349		2797 CRESTON DR	DWP WATER TANK	LOS ANGELES			PROJ.REVW.	FCC070524G	06/26/07	6Y	
175299		8924 CROCKER AVE ST		LOS ANGELES	P	1957	PROJ.REVW.	HUD070529J	07/05/07	6U	
064943	19-173434	8010 CROCKETT BLVD	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860923A	10/07/86	6Y	
025634	19-171623	10420 CROCKETT BLVD		LOS ANGELES	P	1906	HIST.SURV.	0053-3038-0000		7N	
025633	19-171622	10430 CROCKETT BLVD		LOS ANGELES	P	1905	HIST.SURV.	0053-3037-0000		7N	
089080	19-174886	10316 CROSUS AVE		LOS ANGELES	P	1934	PROJ.REVW.	HUD940304B	04/06/94	6Y	
100634	19-176182	2638 CULLEN ST		LOS ANGELES	P	1925	HIST.RES.	DOE-19-94-0540-0000	12/20/94	6Y	
							PROJ.REVW.	HRG940202Z	12/20/94	6Y	
025005	19-171013	727 CURSON ST		LOS ANGELES	P	1924	HIST.SURV.	0053-2395-0000		7N	
024786	19-170806	571 CYPRESS AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-2255-0000		5S2	
	19-155370										
024787	19-170807	675 CYPRESS AVE		LOS ANGELES	P	1909	HIST.SURV.	0053-2256-0000		5S2	
097696	19-175243	929 CYPRESS AVE	FIRE STATION #44	LOS ANGELES		1923	HIST.RES.	DOE-19-95-0001-000	10/27/95	2S2	C
							PROJ.REVW.	HUD951027Z	10/27/95	2S2	C
125087		1142 CYPRESS AVE		LOS ANGELES	Y	1914	HIST.RES.	DOE-19-98-0278-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
125088		1150 CYPRESS AVE	1150-1154 CYPRESS AVE	LOS ANGELES	Y		HIST.RES.	DOE-19-98-0279-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
154030		4207 DALTON AVE		LOS ANGELES		1909	PROJ.REVW.	HUD040202L	02/02/04	6U	
127502		8901 DALTON AVE		LOS ANGELES		1930	HIST.RES.	DOE-19-01-0049-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
026819	19-172799	2417 DALY ST	DALY STREET COMMERCIAL OFFICE BUIL	LOS ANGELES	M	1937	HIST.RES.	DOE-19-98-0096-0000	06/08/98	2S2	AC
	19-156359						PROJ.REVW.	HUD980522D	06/08/98	2S2	AC
							ST.FND.PRG	619.0-HP-88-19-014	12/19/88	3	
							HIST.SURV.	0053-4139-0000		3S	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
096787	19-175148	219 DANGLER AVE		LOS ANGELES	P	1920	PROJ.REVW.	HUD950612P	07/19/95	6Y	
181232		152 DANGLER ST		LOS ANGELES	P	1926	PROJ.REVW.	HUD110131A	02/11/11	6U	
182698		11300 DANUBE AVE		LOS ANGELES		1956	PROJ.REVW.	HUD110502H	05/12/11	6U	
025497	19-171487	2624 DARWIN AVE	JULIAN R ROHR RESIDENCE	LOS ANGELES	P	1907	HIST.SURV.	0053-2900-0000		7N	
	19-156426										
	19-156063										
153017		11031 DE FOE AVE		LOS ANGELES		1947	PROJ.REVW.	HUD050404N	04/19/05	6U	
154031		11251 DE FOE AVE		LOS ANGELES		1952	PROJ.REVW.	HUD040202L	02/02/04	6U	
025639	19-171628	7916 DE GARMO AVE		LOS ANGELES	P	1944	HIST.SURV.	0053-3043-0000		7R	
025640	19-171629	7919 DE GARMO AVE		LOS ANGELES	P	1946	HIST.SURV.	0053-3044-0000		7R	
025637	19-171626	7924 DE GARMO AVE		LOS ANGELES	P	1944	HIST.SURV.	0053-3041-0000		7R	
025638	19-171627	7932 DE GARMO AVE		LOS ANGELES	P	1944	HIST.SURV.	0053-3042-0000		7R	
025636	19-171625	7940 DE GARMO AVE		LOS ANGELES	P	1944	HIST.SURV.	0053-3040-0000		7R	
022294	19-168319	DE LONGPRE AVE	6500 BLOCK DELONGPRE AVENUE	LOS ANGELES	P	1904	HIST.SURV.	0053-0704-9999		5S2	
022339	19-168364	DE LONGPRE AVE	6800-7000 BLOCKS OF DELONGPRE AVEN	LOS ANGELES	P	1902	HIST.SURV.	0053-0706-9999		5S2	
022324	19-168349	DE LONGPRE AVE	6600-6700 BLOCKS OF DELONGPRE AVEN	LOS ANGELES	P	1906	HIST.SURV.	0053-0705-9999		5S2	
023263	19-169287	DE LONGPRE AVE	VALENTINO MEMORIAL FOUNTAIN	LOS ANGELES	M	1930	HIST.SURV.	0053-0780-0000		3S	
023265	19-169289	DE LONGPRE AVE	DE LONGPRE PARK	LOS ANGELES	M	1924	HIST.SURV.	0053-0782-0000		3S	
170757		DE LONGPRE AVE	6100-6200 DE LONGPRE AVE	LOS ANGELES	P	1916	HIST.SURV.	0053-0703-9999	05/01/80	5S2	
022256	19-168282	6100 DE LONGPRE AVE	AFTON SQUARE DISTRICT CONTRIBUTOR	LOS ANGELES	M	1916	HIST.RES.	DOE-19-95-0241-0029	09/11/95	2D4	
							PROJ.REVW.	HUD950911J	09/11/95	2D4	
							HIST.RES.	DOE-19-95-0149-0029	02/08/95	2D2	
							PROJ.REVW.	HRG940202Z	02/08/95	2D2	
							HIST.SURV.	0053-0703-0015		7N	
023268	19-169292	6101 DE LONGPRE AVE	AFTON SQUARE DISTRICT CONTRIBUTOR	LOS ANGELES	P	1929	HIST.RES.	DOE-19-95-0241-0030	09/11/95	2D4	
							PROJ.REVW.	HUD950911J	09/11/95	2D4	
							HIST.RES.	DOE-19-95-0149-0030	02/08/95	2D2	
							PROJ.REVW.	HRG940202Z	02/08/95	2D2	
							HIST.SURV.	0053-0785-0000		7N	
022257	19-168283	6110 DE LONGPRE AVE	AFTON SQUARE DISTRICT CONTRIBUTOR	LOS ANGELES	P	1920	HIST.RES.	DOE-19-95-0241-0031	09/11/95	2D4	
							PROJ.REVW.	HUD950911J	09/11/95	2D4	
							HIST.RES.	DOE-19-95-0149-0031	02/08/95	2D2	
							PROJ.REVW.	HRG940202Z	02/08/95	2D2	
							HIST.SURV.	0053-0703-0016		5D2	
022254	19-168280	6112 DE LONGPRE AVE	AFTON SQUARE DISTRICT CONTRIBUTOR	LOS ANGELES	M	1916	HIST.RES.	DOE-19-95-0241-0032	09/11/95	2D4	
							PROJ.REVW.	HUD950911J	09/11/95	2D4	
							HIST.RES.	DOE-19-95-0149-0032	02/08/95	2D2	
							PROJ.REVW.	HRG940202Z	02/08/95	2D2	
							HIST.SURV.	0053-0703-0013		7N	
022255	19-168281	6118 DE LONGPRE AVE	AFTON SQUARE DISTRICT CONTRIBUTOR	LOS ANGELES	P	1920	HIST.RES.	DOE-19-95-0241-0033	09/11/95	2D4	
							PROJ.REVW.	HUD950911J	09/11/95	2D4	
							HIST.RES.	DOE-19-95-0149-0033	02/08/95	2D2	
							PROJ.REVW.	HRG940202Z	02/08/95	2D2	
							HIST.SURV.	0053-0703-0014		5D2	
022252	19-168278	6122 DE LONGPRE AVE	AFTON SQUARE DISTRICT CONTRIBUTOR	LOS ANGELES	M	1916	HIST.RES.	DOE-19-95-0241-0034	09/11/95	2D4	
							PROJ.REVW.	HUD950911J	09/11/95	2D4	
							HIST.RES.	DOE-19-95-0149-0034	02/08/95	2D2	
							PROJ.REVW.	HRG940202Z	02/08/95	2D2	
							HIST.SURV.	0053-0703-0011		7N	
101034	19-176379	6128 DE LONGPRE AVE	AFTON SQUARE DISTRICT NON-CONTRIBU	LOS ANGELES	U		HIST.RES.	DOE-19-95-0241-0067	09/11/95	6U	
							PROJ.REVW.	HUD950911J	09/11/95	6U	
							HIST.RES.	DOE-19-95-0149-0067	02/08/95	6Y	
							PROJ.REVW.	HRG940202Z	02/08/95	6Y	
101035	19-176380	6132 DE LONGPRE AVE	AFTON SQUARE DISTRICT NON-CONTRIBU	LOS ANGELES	U		HIST.RES.	DOE-19-95-0241-0068	09/11/95	6U	
							PROJ.REVW.	HUD950911J	09/11/95	6U	
							HIST.RES.	DOE-19-95-0149-0068	02/08/95	6Y	

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154194		632 E 93RD ST		LOS ANGELES		1938	PROJ.REVW.	HUD040202L	02/02/04	6U	
077698	19-174400	834 E 93RD ST		LOS ANGELES	U	1938	PROJ.REVW.	HUD920901E	10/01/92	6Y	
070336	19-173959	229 E 94TH ST		LOS ANGELES	U	1925	PROJ.REVW.	HUD910430F	05/09/91	6Y	
070294	19-173943	229 E 94TH ST		LOS ANGELES	U	1925	PROJ.REVW.	HUD910430F	05/09/91	6Y	
131256		247 E 94TH ST		LOS ANGELES		1926	HIST.RES.	DOE-19-02-0301-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
175652		620 E 94TH ST		LOS ANGELES	P	1941	PROJ.REVW.	HUD080707A	07/22/08	6U	
154195		715 E 94TH ST		LOS ANGELES		1926	PROJ.REVW.	HUD040202L	02/02/04	6U	
070290	19-173939	727 E 94TH ST		LOS ANGELES	U	1927	PROJ.REVW.	HUD910430B	05/09/91	6Y	
070332	19-173955	727 E 94TH ST		LOS ANGELES	U	1927	PROJ.REVW.	HUD910430B	05/09/91	6Y	
154196		735 E 94TH ST		LOS ANGELES		1926	PROJ.REVW.	HUD040202L	02/02/04	6U	
175517		759 E 94TH ST		LOS ANGELES	P	1939	PROJ.REVW.	HUD070529J	07/05/07	6U	
070347	19-173969	720 E 95TH ST		LOS ANGELES	U	1927	PROJ.REVW.	HUD910430P	05/09/91	6Y	
080675	19-174428	755 E 95TH ST		LOS ANGELES	U	1940	PROJ.REVW.	HUD930222A	03/17/93	6Y	
175519		810 E 95TH ST		LOS ANGELES	P	1941	PROJ.REVW.	HUD070529J	07/05/07	6U	
119448		854 E 95TH ST		LOS ANGELES	P	1939	HIST.RES.	DOE-19-95-0353-0000	08/23/95	6U	
							PROJ.REVW.	HUD950823Y	08/23/95	6U	
175653		331 E 97TH ST		LOS ANGELES	P	1923	PROJ.REVW.	HUD080707A	07/22/08	6U	
070302	19-173951	735 E 97TH ST		LOS ANGELES	U	1925	PROJ.REVW.	HUD910430N	05/09/91	6Y	
070345	19-173967	735 E 97TH ST		LOS ANGELES	U	1925	PROJ.REVW.	HUD910430N	05/09/91	6Y	
182793		922 E 97TH ST		LOS ANGELES	P	1940	PROJ.REVW.	HUD110502H	05/12/11	6U	
023828	19-169850	1672 E 97TH ST		LOS ANGELES	P	1926	HIST.SURV.	0053-1284-0000		7R	
023829	19-169851	1701 E 97TH ST	ZION MISSIONARY BAPTIST CHURCH	LOS ANGELES	P	1921	HIST.SURV.	0053-1285-0000		7R	
023830	19-169852	1711 E 97TH ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1286-0000		7R	
023831	19-169853	2127 E 97TH ST		LOS ANGELES	P	1923	HIST.SURV.	0053-1287-0000		7R	
171744		755 E 98TH ST		LOS ANGELES		1924	PROJ.REVW.	HUD080109F	04/17/08	6U	
077700	19-174401	203 E 99TH ST		LOS ANGELES	U	1940	PROJ.REVW.	HUD920901F	10/01/92	6Y	
070335	19-173958	318 E 99TH ST		LOS ANGELES	U	1941	PROJ.REVW.	HUD910430E	05/09/91	6Y	
070293	19-173942	318 E 99TH ST		LOS ANGELES	U	1941	PROJ.REVW.	HUD910430E	05/09/91	6Y	
171745		327 E 99TH ST		LOS ANGELES		1924	PROJ.REVW.	HUD080109F	04/17/08	6U	
131257		428 E 99TH ST		LOS ANGELES		1926	HIST.RES.	DOE-19-02-0302-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
123796		1522 E 99TH ST		LOS ANGELES	U	1946	HIST.RES.	DOE-19-00-0032-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
182796		1550 E 99TH ST		LOS ANGELES	P	1923	PROJ.REVW.	HUD110502H	05/12/11	6U	
137720		127 E 9TH ST	HARRIS NEWMARK BUILDING	LOS ANGELES	P	1925	HIST.RES.	DOE-19-03-0066-0000	02/18/03	2S2	C
							PROJ.REVW.	HUD030128C	02/18/03	2S2	C
161384		300 E 9TH ST	EMIL BROWN BUILDING	LOS ANGELES	P	1923	PROJ.REVW.	FCC060315D	03/22/06	2S2	C
136784		925 E 9TH ST		LOS ANGELES	P	1910	HIST.RES.	DOE-19-03-0025-0000	01/23/03	6Y	
							PROJ.REVW.	FCC021216E	01/23/03	6Y	
100346	19-175989	459 E ADAMS BLVD	PRAISE OUTREACH SOBER LIVING FACIL	LOS ANGELES	P	1900	HIST.RES.	DOE-19-95-0106-0000	03/21/95	6Y	
							PROJ.REVW.	HRG940202Z	03/21/95	6Y	
131048		740 E ADAMS BLVD		LOS ANGELES	P	1903	HIST.RES.	DOE-19-02-0159-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
077941	19-174404	1151 E ADAMS BLVD		LOS ANGELES	U	1942	PROJ.REVW.	HUD921002D	11/02/92	6Y	
086423	19-174759	1550 E ADAMS BLVD		LOS ANGELES	P	1928	HIST.SURV.	0053-4738-0000	06/01/92	6Z	
	19-166793										
027383	19-173311	6310 E ALDAMA ST	HIGHLAND PARK LUTHERAN CHURCH	LOS ANGELES	P	1926	HIST.SURV.	0053-4657-0000		7R	
	19-158649										
125680		220 E ANGELENO AVE		LOS ANGELES	U	1925	HIST.RES.	DOE-19-98-0370-0000	05/11/98	6Y	
							PROJ.REVW.	HUD980511I	05/11/98	6Y	
175662		2620 E ARVIA ST		LOS ANGELES	P	1905	PROJ.REVW.	HUD090126A	01/28/09	6U	
024784	19-170804	213 E AVE 37		LOS ANGELES	P	1904	HIST.SURV.	0053-2253-0000		7R	
024549	19-170570	239 E AVE 38		LOS ANGELES	P	1905	HIST.SURV.	0053-2017-0000		7R	

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							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
097993	19-175404	14427 ERWIN ST	VAN NUYS OFFICE	LOS ANGELES	M		HIST.RES.	DOE-19-94-0131-0000	08/08/94	6Y	
							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
097994	19-175405	14437 ERWIN ST	VALLEY ADMINISTRATION CENTER MALL	LOS ANGELES	M		HIST.RES.	DOE-19-94-0132-0000	08/08/94	6Y	
							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
097995	19-175406	14817 ERWIN ST		LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0133-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
116235		17810 ERWIN ST		LOS ANGELES	P	1923	HIST.RES.	DOE-19-96-0156-0000	02/21/96	6Y	
							PROJ.REVW.	HUD960801E	02/21/96	6Y	
073094	19-174061	4305 ESMERALDA ST		LOS ANGELES	U	1923	PROJ.REVW.	HUD910828E	09/12/91	6Y	
024755	19-170775	3010 ESTARA AVE	VERDUGO ROAD DISTRICT JR HIGH SCHO	LOS ANGELES	M	1936	HIST.SURV.	0053-2224-0000		7N	
	19-155307										
116333		10570 ESTHER AVE		LOS ANGELES	P	1926	HIST.RES.	DOE-19-96-0245-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
149823		3232 ESTRADA ST		LOS ANGELES	P	1941	HIST.RES.	DOE-19-04-0150-0000	08/09/04	2S2	C
							PROJ.REVW.	HUD040701B	08/09/04	2S2	C
123823		1953 ESTRELLA AVE	1953 ESTRELLA AVENUE / 1959 ESTREL	LOS ANGELES	U	1911	HIST.RES.	DOE-19-00-0060-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
025536	19-171525	1978 ESTRELLA AVE	THE LOIS ELLEN ARNOLD RESIDENCE	LOS ANGELES	P	1888	HIST.SURV.	0053-2945-0000		7R	
	19-164739						HIST.RES.	DOE-19-86-0012-0000	08/01/86	2S2	C
	19-164738						PROJ.REVW.	HUD860725R	08/01/86	2S2	C
125136		1979 ESTRELLA AVE		LOS ANGELES	Y		HIST.RES.	DOE-19-98-0328-0000	08/03/98	6Y	
							PROJ.REVW.	HUD980803I	08/03/98	6Y	
025537	19-171526	2110 ESTRELLA AVE	THE HIRAM V SHORT RESIDENCE	LOS ANGELES	P	1888	HIST.SURV.	0053-2946-0000		7R	
	19-164740						HIST.RES.	DOE-19-86-0013-0000	08/01/86	2S2	C
							PROJ.REVW.	HUD860725S	08/01/86	2S2	C
025538	19-171527	2119 ESTRELLA AVE	RICHARD H ALEXANDER RESIDENCE	LOS ANGELES	P	1888	HIST.SURV.	0053-2947-0000		7R	
	19-164731						HIST.RES.	DOE-19-86-0014-0000	08/01/86	2S2	C
							PROJ.REVW.	HUD860725T	08/01/86	2S2	C
025539	19-171528	2128 ESTRELLA AVE	GEORGE A. McGRIFF RESIDENCE	LOS ANGELES	P	1896	HIST.SURV.	0053-2948-0000		7R	
	19-165178						HIST.RES.	DOE-19-86-0015-0000	08/01/86	2S2	C
							PROJ.REVW.	HUD860725U	08/01/86	2S2	C
125137		2141 ESTRELLA AVE		LOS ANGELES	Y	1911	HIST.RES.	DOE-19-98-0329-0000	08/03/98	6Y	
							PROJ.REVW.	HUD980803I	08/03/98	6Y	
125138		7412 ETON AVE		LOS ANGELES	Y	1947	HIST.RES.	DOE-19-98-0330-0000	08/03/98	6Y	
							PROJ.REVW.	HUD980803I	08/03/98	6Y	
088787	19-174881	638 EUCLID AVE		LOS ANGELES	P	1910	PROJ.REVW.	HUD940223Y	03/28/94	6Y	
025792	19-171781	2900 EUCLID AVE	CASA DEL MEXICANO	LOS ANGELES	P	1912	HIST.SURV.	0053-3196-0000		3S	
025791	19-171780	2916 EUCLID AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-3195-0000		7R	
025793	19-171782	2920 EUCLID AVE		LOS ANGELES	P	1890	HIST.SURV.	0053-3197-0000		7N	
065610	19-173526	4625 EUGENE ST		LOS ANGELES	U		PROJ.REVW.	HUD881221E	01/04/88	6Y	
023820	19-169842	9601 EVERS AVE		LOS ANGELES	P	1907	HIST.SURV.	0053-1276-0000		7R	
	19-165260										
168030		9601 EVERS ST		LOS ANGELES	P	1907	PROJ.REVW.	HUD071002H	10/10/07	6Y	
174892		2227 EWING ST		LOS ANGELES	P	1924	PROJ.REVW.	FHWA081229A	01/27/09	6Y	
162276		EXPOSITION BLVD	PACIFIC ELECTRIC RAILWAY	LOS ANGELES	P	1911	HIST.RES.	DOE-19-00-0429-9999	04/18/00	2S2	A
							PROJ.REVW.	FHWA000214A	04/18/00	2S2	A
020756	19-166837	EXPOSITION BLVD	STATE ARMORY BUILDING	LOS ANGELES	S	1913	HIST.SURV.	0053-0028-0000		7N	
073453	19-174079	EXPOSITION BLVD	EXPOSITION PARK ROSE GARDEN	LOS ANGELES	S	1914	NAT.REG.	19-0002	03/28/91	3S	C
							HIST.RES.	NPS-91000285-0000	03/28/91	1S	C
							HIST.SURV.	0053-4685-9999	03/28/91	1S	C
							HIST.RES.	SPHI-LAN-042	08/13/87	7L	
099014	19-175619	645 EXPOSITION BLVD	USC-FACULTY CENTER	LOS ANGELES	P	1960	HIST.RES.	DOE-19-94-0001-0023	06/29/94	6Y	
							PROJ.REVW.	HRG940202Z	06/29/94	6Y	
098993	19-175611	665 EXPOSITION BLVD	UNIVERSITY OF SOUTHERN CALIFORNIA	LOS ANGELES	P	1925	HIST.RES.	DOE-19-94-0001-0008	06/29/94	2D2	ABC
							PROJ.REVW.	HRG940202Z	06/29/94	2D2	ABC

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153856		6107 FERGUSON DR		LOS ANGELES		1928	PROJ.REVW.	HUD040329B	04/21/04	6U	
065294	19-173483	6602 FERGUSON DR	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870724C	08/20/87	6Y	
025642	19-171631	7718 FERNCOLA AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-3046-0000		7R	
096981	19-175172	4516 FERNTOP DR		LOS ANGELES	P	1925	PROJ.REVW.	HUD950630G	07/20/95	6Y	
069904	19-173881	214 FICKETT ST		LOS ANGELES	U	1924	PROJ.REVW.	HUD901218Q	01/15/91	6Y	
027161	19-173106	800 FIGUEROA ST	HOTEL CORDOVA	LOS ANGELES	P	1912	HIST.SURV.	0053-4475-0000		7R	
072764	19-174019	3708 FIGUEROA ST	DEFENSE AND STRATEGY STUDIES	LOS ANGELES	P	1905	HIST.RES.	DOE-19-91-0003-0000	07/29/91	6Y	
							PROJ.REVW.	FHWA900730C	07/29/91	6Y	
072763	19-174018	3714 FIGUEROA ST		LOS ANGELES	P	1910	HIST.RES.	DOE-19-91-0002-0000	07/29/91	6Y	
							PROJ.REVW.	FHWA900730C	07/29/91	6Y	
072762	19-174017	3738 FIGUEROA ST		LOS ANGELES	P	1927	HIST.RES.	DOE-19-91-0001-0000	07/29/91	6Y	
							PROJ.REVW.	FHWA900730C	07/29/91	6Y	
086521	19-174800	5029 FIGUEROA ST		LOS ANGELES	P	1924	HIST.SURV.	0053-4792-0000	06/01/92	6L	
099407	19-175829	13442 FILLMORE ST		LOS ANGELES	M		HIST.RES.	DOE-19-94-0143-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
099419	19-175839	13447 FILLMORE ST		LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0144-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
026563	19-172550	13333 FILMORE ST		LOS ANGELES	P	1934	HIST.SURV.	0053-3891-0000		5S2	
026564	19-172551	13823 FILMORE ST		LOS ANGELES	P	1903	HIST.SURV.	0053-3892-0000		7N	
021007	19-167068	4510 FINLEY AVE	ST. MARY OF THE ANGELS CHURCH	LOS ANGELES	P	1930	HIST.SURV.	0053-0188-0000		3S	
066317	19-173592	8708 FIR AVE	RESIDENTIAL REHABILITATION	LOS ANGELES	U		PROJ.REVW.	HUD871026G	11/24/87	6Y	
119434		330 FIRMIN ST		LOS ANGELES	P	1916	HIST.RES.	DOE-19-95-0340-0000	08/23/95	6U	
							PROJ.REVW.	HUD950823M	08/23/95	6U	
171664		9305 FIRTH BLVD		LOS ANGELES	P	1957	PROJ.REVW.	HUD080109F	04/17/08	6U	
171667		9315 FIRTH BLVD		LOS ANGELES	P	1956	PROJ.REVW.	HUD080109F	04/17/08	6U	
171665		9321 FIRTH BLVD		LOS ANGELES	P	1960	PROJ.REVW.	HUD080109F	04/17/08	6U	
171666		9321 FIRTH BLVD		LOS ANGELES	P	1960	PROJ.REVW.	HUD080109F	04/17/08	6U	
023818	19-169840	9330 FIRTH BLVD		LOS ANGELES	P	1918	HIST.SURV.	0053-1274-0000		7R	
	19-165258										
023819	19-169841	9510 FIRTH BLVD		LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0003-0000	04/29/94	6Y	
	19-165259						PROJ.REVW.	HRG940202Z	04/29/94	6Y	
							HIST.SURV.	0053-1275-0000		7R	
083534	19-174546	6254 FISHBURN AVE		LOS ANGELES	U	1939	PROJ.REVW.	HUD900331r	08/16/93	6Y	
168129		4240 FISHER ST		LOS ANGELES	P	1922	PROJ.REVW.	HUD070920B	09/21/07	6Y	
065611	19-173527	4742 FISHER ST		LOS ANGELES	U		PROJ.REVW.	HUD881221F	01/04/89	6Y	
162407		3318 FITHIAN AVE		LOS ANGELES		1926	PROJ.REVW.	HUD060501M	06/01/06	6U	
064901	19-173432	FLETCHER DR	FLETCHER DRIVE BRIDGE, BRIDGE #53-	LOS ANGELES	U		HIST.RES.	DOE-19-88-0008-0000	01/26/88	2S2	AC
							PROJ.REVW.	FHWA880125A	01/26/88	2S2	AC
							HIST.RES.	DOE-19-86-0063-0000	10/19/86	2S2	C
							PROJ.REVW.	FHWA860919Z	10/19/86	2S2	C
							HIST.RES.	DOE-19-86-0080-0000	09/15/86	2S2	AC
							PROJ.REVW.	FHWA860812A	09/15/86	2S2	AC
083555	19-174556	3352 FLORAL DR		LOS ANGELES	U	1920	PROJ.REVW.	HUD90033111	08/16/93	6Y	
066299	19-173590	4626 FLORAL DR	RESIDENTIAL REHABILITATION	LOS ANGELES	U		PROJ.REVW.	HUD871019I	11/06/87	6Y	
153209		4466 FLORIZEL ST	ROSE HILL COURTS	LOS ANGELES	M	1941	PROJ.REVW.	HUD030717B	11/21/03	2S2	
068403	19-173727	FLOWER DR	FLOWER DRIVE HISTORIC DISTRICT	LOS ANGELES	P	1920	HIST.RES.	CR	11/07/08	2CS	AC
							CAL.REG.	19-0500	10/23/08	3CS	AC
							HIST.RES.	DOE-19-90-0001-9999	08/28/90	6Y	
							PROJ.REVW.	FHWA900730C	08/28/90	6Y	
173838		3801 FLOWER DR		LOS ANGELES	P	1922	HIST.RES.	CR	11/07/08	2CD	AC
							CAL.REG.	19-0500	10/23/08	3CD	AC
173855		3807 FLOWER DR		LOS ANGELES	P		HIST.RES.	CR	11/07/08	6C	
							CAL.REG.	19-0500	10/23/08	6Z	
173839		3813 FLOWER DR		LOS ANGELES	P	1921	HIST.RES.	CR	11/07/08	2CD	AC
							CAL.REG.	19-0500	10/23/08	3CD	AC
173840		3819 FLOWER DR		LOS ANGELES	P	1923	HIST.RES.	CR	11/07/08	2CD	AC

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							PROJ.REVW.	FHWA990412A	05/05/99	6Y	
180065		11245 GREENLAWN AVE		LOS ANGELES	P	1952	PROJ.REVW.	HUD100927C	10/12/10	6U	
021184	19-167234	18531 GRESHAM ST	FAITH BIBLE CHURCH	LOS ANGELES	P	1916	HIST.SURV.	0053-0288-0000		3S	
106731	19-176469	1739 GRIFFIN AVE	USC COUNTY MEDICAL CENTER / BUILDI	LOS ANGELES		1936	PROJ.REVW.	FEMA970207F	02/07/97	6Y	
021178	19-167228	2054 GRIFFIN AVE	SHUNKLIN RESIDENCE	LOS ANGELES	P	1889	HIST.RES.	DOE-19-86-0086-0000	06/06/86	2S2	C
	19-156050						PROJ.REVW.	HUD860603B	06/06/86	2S2	C
							HIST.SURV.	0053-0282-0000		3S	
							HIST.SURV.	0053-2888-0000		7R	
025486	19-171476	2063 GRIFFIN AVE	ALBERT H SCHLIEBITZ RESIDENCE	LOS ANGELES	P	1903	HIST.RES.	DOE-19-86-0087-0000	06/06/86	2S2	AC
	19-156051						PROJ.REVW.	HUD860603C	06/06/86	2S2	AC
							HIST.SURV.	0053-2889-0000		7N	
098024	19-175422	2670 GRIFFIN AVE	SALVATIONARMY- BOOTH MEMORIAL CENT	LOS ANGELES	P		HIST.RES.	DOE-19-94-0015-0000	06/12/94	6Y	
	19-155439						PROJ.REVW.	HRG940202Z	06/12/94	6Y	
131117		3228 GRIFFIN AVE		LOS ANGELES		1922	HIST.RES.	DOE-19-02-0192-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
069758	19-173843	4320 GRIFFIN AVE		LOS ANGELES	U	1907	PROJ.REVW.	HUD901115F	12/12/90	6Y	
162409		4506 GRIFFIN AVE		LOS ANGELES		1917	PROJ.REVW.	HUD060501M	06/01/06	6U	
184372		1109 GRIFFITH		LOS ANGELES	P	1960	PROJ.REVW.	HUD110805A	08/08/11	6Y	
065235	19-173474	1525 GRIFFITH PARK BLVD	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870622G	07/13/87	6Y	
027406	19-173334	1629 GRIFFITH PARK BLVD	BETHANY PRESBYTERIAN CHURCH	LOS ANGELES	P	1931	HIST.SURV.	0053-4673-0000		7N	
069763	19-173848	4120 GUARDIA AVE		LOS ANGELES	U	1939	PROJ.REVW.	HUD901115K	12/12/90	6Y	
025866	19-171855	2747 GUIRADO ST		LOS ANGELES	P	1913	HIST.SURV.	0053-3271-0000		7R	
025867	19-171856	2801 GUIRADO ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3273-0000		7R	
025868	19-171857	2805 GUIRADO ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3274-0000		7R	
025869	19-171858	2812 GUIRADO ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3275-0000		7R	
025870	19-171859	2825 GUIRADO ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3276-0000		7R	
025871	19-171860	2829 GUIRADO ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3277-0000		7R	
025872	19-171861	2832 GUIRADO ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3278-0000		7R	
025873	19-171862	2835 GUIRADO ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3279-0000		7R	
025874	19-171863	2839 GUIRADO ST		LOS ANGELES	P	1914	HIST.SURV.	0053-3280-0000		7R	
025865	19-171854	2851 GUIRADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-3270-0000		3S	
025875	19-171864	2852 GUIRADO ST		LOS ANGELES	P	1922	HIST.SURV.	0053-3281-0000		7R	
025876	19-171865	2903 GUIRADO ST		LOS ANGELES	P	1913	HIST.SURV.	0053-3282-0000		7R	
025877	19-171866	3043 GUIRADO ST		LOS ANGELES	P	1913	HIST.SURV.	0053-3283-0000		7R	
150063		5813 HAAS AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-04-0178-0000	09/30/04	6Y	
							PROJ.REVW.	HUD041006D	09/30/04	6Y	
131118		6603 HAAS AVE		LOS ANGELES		1927	HIST.RES.	DOE-19-02-0193-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
131119		8616 HAAS AVE		LOS ANGELES		1938	HIST.RES.	DOE-19-02-0194-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
153831		10335 HAAS AVE		LOS ANGELES		1947	PROJ.REVW.	HUD040329B	04/21/04	6U	
153833		20009 HAAS AVE		LOS ANGELES		1947	PROJ.REVW.	HUD040329B	04/21/04	6U	
026565	19-172552	10765 HADDON AVE		LOS ANGELES	P	1909	HIST.SURV.	0053-3893-0000		5S2	
024758	19-170778	3124 HALLETT AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-2227-0000		7R	
125978		10926 HAMLIN ST		LOS ANGELES	Y	1937	HIST.RES.	DOE-19-00-0181-0000	03/03/00	6U	
							PROJ.REVW.	HUD001017Z	03/03/00	6U	
093940	19-175021	14022 HAMLIN ST		LOS ANGELES	P	1938	PROJ.REVW.	HUD941128F	12/28/94	6Y	
125727		4017 HAMMEL ST		LOS ANGELES	U	1908	HIST.RES.	DOE-19-99-0368-0000	07/29/99	6Y	
							PROJ.REVW.	HUD990729D	07/29/99	6Y	
153686		8021 HAMPSHIRE AVE		LOS ANGELES			HIST.RES.	DOE-19-00-0098-0088	03/31/00	6U	
							PROJ.REVW.	HUD000327A	03/31/00	6U	
023611	19-169633	321 HAMPTON DR		LOS ANGELES	P	1912	HIST.SURV.	0053-1066-0000		5S2	
023612	19-169634	810 HAMPTON DR		LOS ANGELES	P	1913	HIST.SURV.	0053-1067-0000		7R	
023613	19-169635	811 HAMPTON DR		LOS ANGELES	P	1915	HIST.SURV.	0053-1068-0000		5S2	
025487	19-171477	2309 HANCOCK ST	WILLIAM NICOL RESIDENCE	LOS ANGELES	P	1886	HIST.RES.	DOE-19-86-0088-0000	06/06/86	2S2	C
	19-156052						PROJ.REVW.	HUD860603D	06/06/86	2S2	C

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							HIST.SURV.	0053-2890-0000		7R	
171383		2417 HANCOCK ST	LEEDS BUILDING	LOS ANGELES	P	1928	PROJ.REVW.	FCC080325C	04/30/08	6Y	
102272	19-176421	HARBOR BLVD	LIBERTY HILL	LOS ANGELES	D	1924	HIST.RES.	SHL-1021-0000	03/03/97	1CL	
							ST.HS.LDMK	19-0238	05/13/96	7J	
115009		HARBOR FREEWAY	BRIDGE #53-622	LOS ANGELES	S	1949	HIST.RES.	DOE-19-86-0078-0000	10/19/86	2S2	AC
							PROJ.REVW.	FHWA860919Z	10/19/86	2S2	AC
024445	19-170467	1920 HARCOURT AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1913-0000		7R	
	19-157508										
024446	19-170468	1924 HARCOURT AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1914-0000		7R	
	19-157509										
024447	19-170469	1929 HARCOURT AVE		LOS ANGELES	P	1926	HIST.SURV.	0053-1915-0000		7R	
	19-157507										
024442	19-170464	1930 HARCOURT AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-1910-0000		7R	
	19-157510										
024443	19-170465	2000 HARCOURT AVE		LOS ANGELES	P	1930	HIST.SURV.	0053-1911-0000		7R	
	19-157511										
024444	19-170466	2006 HARCOURT AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-1912-0000		7R	
	19-157512										
024440	19-170462	2010 HARCOURT AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-1908-0000		7R	
	19-157513										
024441	19-170463	2107 HARCOURT AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-1909-0000		7R	
	19-157506										
024439	19-170461	2205 HARCOURT AVE		LOS ANGELES	P	1930	HIST.SURV.	0053-1907-0000		7R	
	19-157505										
098025	19-175423	2614 HARCOURT AVE		LOS ANGELES	M	1920	HIST.RES.	DOE-19-94-0016-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
098026	19-175424	2618 HARCOURT AVE		LOS ANGELES	M	1923	HIST.RES.	DOE-19-94-0017-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
098027	19-175425	2622 HARCOURT AVE		LOS ANGELES	M	1923	HIST.RES.	DOE-19-94-0018-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
099208	19-175683	2724 HARCOURT AVE		LOS ANGELES		1914	HIST.RES.	DOE-19-94-0019-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
098028	19-175426	2910 HARCOURT AVE		LOS ANGELES	M	1922	HIST.RES.	DOE-19-94-0020-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
098029	19-175427	2918 HARCOURT AVE		LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0021-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
123833		6121 HARGIS ST		LOS ANGELES	U	1939	HIST.RES.	DOE-19-00-0070-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
021787	19-167814	HAROLD WY	5800 BLOCK OF HAROLD WAY	LOS ANGELES	P	0	HIST.SURV.	0053-0593-9999		7N	
021808	19-167835	HAROLD WY	5400 BLOCK OF HAROLD WAY	LOS ANGELES	P	1914	HIST.SURV.	0053-0606-9999		5S2	
023337	19-169359	HAROLD WY	6000 BLOCK OF HAROLD WAY	LOS ANGELES	P	1912	HIST.SURV.	0053-0819-9999		3S	
021800	19-167827	5416 HAROLD WY		LOS ANGELES	P	1928	HIST.SURV.	0053-0606-0001		5D2	
021801	19-167828	5419 HAROLD WY		LOS ANGELES	P	1916	HIST.SURV.	0053-0606-0002		5D2	
021802	19-167829	5420 HAROLD WY		LOS ANGELES	P	1921	HIST.SURV.	0053-0606-0003		5D2	
027057	19-173037	5429 HAROLD WY		LOS ANGELES	P	1923	HIST.SURV.	0053-4375-0000		3S	
021803	19-167830	5432 HAROLD WY		LOS ANGELES	P	1923	HIST.SURV.	0053-0606-0004		5D2	
021804	19-167831	5433 HAROLD WY		LOS ANGELES	P	1923	PROJ.REVW.	HUD910522C	06/18/91	6Y	
							HIST.SURV.	0053-0606-0005		5D2	
021805	19-167832	5436 HAROLD WY		LOS ANGELES	P	1928	HIST.SURV.	0053-0606-0006		5D2	
021806	19-167833	5437 HAROLD WY		LOS ANGELES	P	1914	HIST.SURV.	0053-0606-0007		5D2	
021807	19-167834	5448 HAROLD WY		LOS ANGELES	P	1917	HIST.SURV.	0053-0606-0008		5D2	
021767	19-167795	5537 HAROLD WY		LOS ANGELES	P	1919	HIST.SURV.	0053-0591-0028		7N	
021765	19-167793	5542 HAROLD WY		LOS ANGELES	P	1919	HIST.SURV.	0053-0591-0026		7N	
021764	19-167792	5548 HAROLD WY		LOS ANGELES	P	1919	HIST.SURV.	0053-0591-0025		7N	
021763	19-167791	5558 HAROLD WY		LOS ANGELES	P	1919	HIST.SURV.	0053-0591-0024		7N	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							HIST.SURV.	0053-0819-0005		3D	
023323	19-169346	6088 HAROLD WY		LOS ANGELES	P	1919	HIST.SURV.	0053-0819-0006		3D	
023324	19-169347	6091 HAROLD WY		LOS ANGELES	P	1913	HIST.RES.	DOE-19-94-0447-0021	07/01/94	2D2	
							PROJ.REVW.	HRG940202Z	07/01/94	2D2	
							HIST.SURV.	0053-0819-0007		3D	
098031	19-175428	613 HARPER AVE		LOS ANGELES	M		HIST.RES.	DOE-19-94-0022-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
098032	19-175429	4036 HARRIMAN AVE		LOS ANGELES	M	1909	HIST.RES.	DOE-19-94-0023-0000	08/08/94	6Y	
							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
178042		3075 HARRINGTON ST		LOS ANGELES	P	1928	PROJ.REVW.	FCC100201F	02/16/10	6Y	
123759		733 HARTFORD AVE		LOS ANGELES	U	1928	HIST.RES.	DOE-19-99-0330-0000	02/01/99	6Y	
							PROJ.REVW.	HUN990201N	02/01/99	6Y	
125757		735 HARTFORD AVE		LOS ANGELES	U	1923	HIST.RES.	DOE-19-99-0398-0000	06/14/99	6Y	
							PROJ.REVW.	HUD990624F	06/14/99	6Y	
021882	19-167909	HARVARD AVE	1500-1600 BLOCK OF HARVARD AVENUE	LOS ANGELES	P	1906	HIST.SURV.	0053-0620-9999		7N	
021866	19-167893	1521 HARVARD AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-0620-0001		5D2	
021867	19-167894	1522 HARVARD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0620-0002		5D2	
021868	19-167895	1527 HARVARD AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-0620-0003		5D2	
021869	19-167896	1528 HARVARD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0620-0004		5D2	
021870	19-167897	1533 HARVARD AVE		LOS ANGELES	P	1914	HIST.SURV.	0053-0620-0005		5D2	
021871	19-167898	1543 HARVARD AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0620-0006		5D2	
021872	19-167899	1549 HARVARD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0620-0007		5D2	
021873	19-167900	1553 HARVARD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0620-0008		5D2	
021874	19-167901	1559 HARVARD AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0620-0009		5D2	
021876	19-167903	1600 HARVARD AVE		LOS ANGELES	P	1906	HIST.SURV.	0053-0620-0011		5D2	
021875	19-167902	1601 HARVARD AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0620-0010		5D2	
021877	19-167904	1611 HARVARD AVE		LOS ANGELES	P	1916	HIST.SURV.	0053-0620-0012		5D2	
021878	19-167905	1612 HARVARD AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-0620-0013		5D2	
021879	19-167906	1616 HARVARD AVE		LOS ANGELES	P	0	HIST.SURV.	0053-0620-0014		5D2	
021880	19-167907	1635 HARVARD AVE		LOS ANGELES	P	1908	HIST.SURV.	0053-0620-0015		5D2	
021881	19-167908	1639 HARVARD AVE		LOS ANGELES	P	1931	HIST.SURV.	0053-0620-0016		5D2	
021697	19-167725	1749 HARVARD BLVD	J R TOBERMAN RESIDENCE	LOS ANGELES	P	1907	HIST.SURV.	0053-0553-0000		3S	
021039	19-167097	2263 HARVARD BLVD	FREDERICK H RINDGE HOUSE	LOS ANGELES	P	1902	HIST.RES.	NPS-86000105-0000	01/23/86	1S	
							HIST.SURV.	0053-0220-0000	01/23/86	1S	
098034	19-175431	10321 HASKELL AVE		LOS ANGELES	M	1920	HIST.RES.	DOE-19-94-0026-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
098035	19-175432	10928 HASKELL AVE		LOS ANGELES	M	1923	HIST.RES.	DOE-19-94-0027-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
073967	19-174124	4394 HATFIELD PL		LOS ANGELES	U	1941	PROJ.REVW.	HUD911029F	11/18/91	6Y	
125980		11065 HATTERAS ST		LOS ANGELES	Y	1941	HIST.RES.	DOE-19-00-0183-0000	01/25/00	6U	
							PROJ.REVW.	HUD001017Z	01/25/00	6U	
027062	19-173040	HAVANA AVE	MISSION WELLS AND SETTLING BASIN	LOS ANGELES	M	1800	HIST.SURV.	0053-4379-0000		3S	
135957		1471 HAVENHURST DR	THE ANDALUSIA BUILDING 1	LOS ANGELES	P	1926	HIST.RES.	NPS-03000775-9999	08/21/03	1S	C
							NAT.REG.	19-0420	12/31/02	3S	C
144134		1471 HAVENHURST DR	THE ADALUSIA FOUNTAIN	LOS ANGELES	P	1926	HIST.RES.	NPS-03000775-0003	08/21/03	1D	C
144125		1473 HAVENHURST DR	THE ANDALUSIA BUILDING 2	LOS ANGELES	P	1926	HIST.RES.	NPS-03000775-0001	08/21/03	1D	C
144130		1475 HAVENHURST DR	THE ANDALUSIA BUILDING 3	LOS ANGELES	P	1926	HIST.RES.	NPS-03000775-0002	08/21/03	1D	C
022021	19-168048	6776 HAWTHORN AVE	DEPARTMENT OF WATER & POWER STATIO	LOS ANGELES	M	1932	HIST.SURV.	0053-0671-0000		3S	
021999	19-168026	6835 HAWTHORN AVE		LOS ANGELES	P	1914	HIST.SURV.	0053-0649-0000		7N	
025027	19-171031	6776 HAWTHORNE AVE	DEPARTMENT OF WATER & POWER STATIO	LOS ANGELES	M	1932	HIST.SURV.	0053-2420-0000		3S	
025020	19-171025	7109 HAWTHORNE AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-2411-0000		3S	
025021	19-171026	7113 HAWTHORNE AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-2412-0000		3S	
025022	19-171027	7117 HAWTHORNE AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-2413-0000		3S	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							HIST.SURV.	0053-4680-0081	04/04/85	6X	
074483	19-174205	7038 HOLLYWOOD BLVD		LOS ANGELES	P	1925	HIST.SURV.	0053-4680-0080	04/04/85	6X	
021558	19-167586	7046 HOLLYWOOD BLVD	HOLLYWOOD PROFESSIONAL BLDG	LOS ANGELES	P	1924	TAX.CERT.	537.9-19-0336	12/05/08	1D	C
							HIST.SURV.	0053-4680-0026	04/04/85	1D	C
							HIST.SURV.	0053-0448-0000		3S	
073676	19-174094	7051 HOLLYWOOD BLVD	SECURITY TRUST/STORES	LOS ANGELES	P	1928	HIST.SURV.	0053-4680-0023	04/04/85	1D	C
							TAX.CERT.	537.9-19-0089		7W	
							HIST.SURV.	0053-0449-0000		3S	
073677	19-174095	7055 HOLLYWOOD BLVD		LOS ANGELES	P	1928	HIST.SURV.	0053-4680-0024	04/04/85	1D	C
073675	19-174093	7065 HOLLYWOOD BLVD	HOLLYWOOD CONGREGATIONAL CHURCH	LOS ANGELES	P	1920	TAX.CERT.	537.9-19-0086	03/28/90	7M	
							HIST.SURV.	0053-4680-0025	04/04/85	1D	C
021131	19-167186	8161 HOLLYWOOD BLVD	STORER HOUSE	LOS ANGELES	P	1923	HIST.RES.	NPS-71000152-0000	09/28/71	1S	
							HIST.SURV.	0053-0247-0000	01/01/71	1S	
126669		8237 HOLLYWOOD BLVD	AUBREY LEECH HOUSE	LOS ANGELES		1933	CAL.REG.	19-0366	12/26/00	7J	
021468	19-165621	5108 HOLMES AVE	51ST STREET SCHOOL, HOLMES AVENUE	LOS ANGELES	M	1922	HIST.SURV.	0053-0379-0000		7R	
	19-167501										
161470		6305 HOLMES AVE		LOS ANGELES			PROJ.REVW.	HUD041210B	12/10/04	6U	
125678		7930 HOLMES AVE		LOS ANGELES	U	1923	HIST.RES.	DOE-19-98-0368-0000	05/11/98	6Y	
							PROJ.REVW.	HUD980511I	05/11/98	6Y	
065453	19-173498	8208 HOLMES AVE		LOS ANGELES	U		PROJ.REVW.	HUD880829o	10/21/88	6Y	
077442	19-174380	9110 HOLMES AVE		LOS ANGELES	U	1910	PROJ.REVW.	HUD920629U	08/31/93	6Y	
							PROJ.REVW.	HUD920701A	08/10/92	6Y	
125092		9210 HOLMES AVE		LOS ANGELES	Y	1925	HIST.RES.	DOE-19-98-0283-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
125093		9212 HOLMES AVE		LOS ANGELES	Y	1920	HIST.RES.	DOE-19-98-0284-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
023792	19-169814	9215 HOLMES AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-1248-0000		7R	
	19-165283										
125094		9216 HOLMES AVE		LOS ANGELES	Y	1920	HIST.RES.	DOE-19-98-0285-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
023793	19-165284	9221 HOLMES AVE		LOS ANGELES	P	1926	HIST.SURV.	0053-1249-0000		7R	
	19-169815										
023794	19-169816	9301 HOLMES AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-1250-0000		7R	
	19-165285										
023795	19-169817	9311 HOLMES AVE		LOS ANGELES	P	1908	HIST.SURV.	0053-1251-0000		7R	
	19-165286										
023796	19-165287	9401 HOLMES AVE		LOS ANGELES	P	1917	HIST.SURV.	0053-1252-0000		7R	
	19-169818										
023797	19-165288	9408 HOLMES AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-1253-0000		7R	
	19-169819										
023798	19-169820	9423 HOLMES AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-1254-0000		7R	
	19-165289										
023799	19-165290	9812 HOLMES AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-1255-0000		7R	
	19-169821										
070442	19-173984	1142 HOLT AVE		LOS ANGELES	U	1927	PROJ.REVW.	HUD910524C	06/12/91	6Y	
090793	19-174930	3800 HOMER ST	HERITAGE SQUARE	LOS ANGELES	U		HIST.RES.	SPHI-LAN-027	01/13/77	7L	
021126	19-167181	3800 HOMER ST	MOUNT PLEASANT HOUSE	LOS ANGELES	P	1876	HIST.RES.	NPS-76000490-0000	12/12/76	1S	
							HIST.SURV.	0053-0242-0000	01/01/76	1S	
027351	19-173281	3800 HOMER ST	LINCOLN AVENUE METHODIST CHURCH	LOS ANGELES	P	1897	ST.FND.PRG	619.0-HP-88-19-027	12/20/88	7L	
							HIST.SURV.	0053-4634-0000		7N	
175334		4500 HOMER ST		LOS ANGELES	P	1914	PROJ.REVW.	HUD070529J	07/05/07	6U	
154052		4502 HOMER ST		LOS ANGELES		1909	PROJ.REVW.	HUD040202L	02/02/04	6U	
022507	19-168532	HOMEWOOD AVE	6300-6400 BLOCKS HOMEWOOD AVENUE	LOS ANGELES	P	1920	HIST.SURV.	0053-0714-9999		5S2	
022530	19-168555	HOMEWOOD AVE	6500 BLOCK HOMEWOOD AVENUE	LOS ANGELES	P	1919	HIST.SURV.	0053-0715-9999		5D2	
022499	19-168524	6338 HOMEWOOD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-0714-0001		5D2	
022500	19-168525	6339 HOMEWOOD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-0714-0002		5D2	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
136852		4273 HUNTINGTON DR S		LOS ANGELES	P	1922	HIST.RES.	DOE-19-03-0042-0000	02/13/03	6Y	
							PROJ.REVW.	FHWA030123A	02/13/03	6Y	
136980		4285 HUNTINGTON DR S		LOS ANGELES	P	1947	HIST.RES.	DOE-19-03-0043-0000	02/13/03	6Y	
							PROJ.REVW.	FHWA030123A	02/13/03	6Y	
155870		4118 HUNTLEY AVE		LOS ANGELES	P	1910	PROJ.REVW.	FHWA010423D	06/20/01	6Y	
024798	19-170818	2325 HURON ST		LOS ANGELES	P	1895	HIST.SURV.	0053-2267-0000		5S2	
	19-155310										
024799	19-170819	2623 HURON ST		LOS ANGELES	P	1905	HIST.SURV.	0053-2268-0000		5S2	
	19-155313										
024800	19-170820	2631 HURON ST		LOS ANGELES	P	1912	HIST.SURV.	0053-2269-0000		7N	
024801	19-170821	2640 HURON ST		LOS ANGELES	P	1908	HIST.SURV.	0053-2270-0000		7N	
	19-155317										
175338		2800 HURON ST		LOS ANGELES	P	1925	PROJ.REVW.	HUD070529J	07/05/07	6U	
024802	19-170822	3238 HURON ST		LOS ANGELES	P	1918	HIST.SURV.	0053-2271-0000		5S2	
	19-155330										
024803	19-170823	3242 HURON ST		LOS ANGELES	P	1917	HIST.SURV.	0053-2272-0000		5S2	
	19-155331										
100640	19-176188	3023 HUTTON DR		LOS ANGELES	P	1945	HIST.RES.	DOE-19-94-0551-0000	12/20/94	6Y	
							PROJ.REVW.	HRG940202Z	12/20/94	6Y	
099234	19-175706	3140 HYDE PARK BLVD	HYDE PARK BOULEVARD ELEMENTARY SCH	LOS ANGELES	D		HIST.RES.	DOE-19-94-0045-0000	08/15/94	6Y	
							PROJ.REVW.	HRG940202Z	08/15/94	6Y	
098055	19-175449	3012 HYPERION AVE		LOS ANGELES	M	1925	HIST.RES.	DOE-19-94-0046-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
024804	19-170824	2812 IDELL ST		LOS ANGELES	P	1912	HIST.SURV.	0053-2273-0000		5S2	
	19-155361										
024805	19-170825	2814 IDELL ST		LOS ANGELES	P	1913	HIST.SURV.	0053-2274-0000		5S2	
024806	19-170826	2820 IDELL ST		LOS ANGELES	P	1911	HIST.SURV.	0053-2275-0000		5S2	
	19-155363										
024807	19-170827	2824 IDELL ST		LOS ANGELES	P	1911	HIST.SURV.	0053-2276-0000		5S2	
	19-155364										
024808	19-170828	2828 IDELL ST		LOS ANGELES	P	1913	HIST.SURV.	0053-2277-0000		5S2	
024809	19-170829	2832 IDELL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-2278-0000		5S2	
024810	19-170830	2902 IDELL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-2279-0000		5S2	
	19-155366										
024811	19-170831	2904 IDELL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-2280-0000		5S2	
	19-155367										
024812	19-170832	2910 IDELL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-2281-0000		5S2	
	19-155368										
024813	19-170833	2912 IDELL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-2282-0000		5S2	
024814	19-170834	3336 IDELL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-2283-0000		5S2	
094500	19-175082	637 IMOGEN AVE		LOS ANGELES	P	1926	PROJ.REVW.	HUD950126H	02/16/95	6Y	
092502	19-175006	2030 IMPERIAL ST		LOS ANGELES		1928	HIST.RES.	DOE-19-94-0752-0000	10/27/94	6Y	
							PROJ.REVW.	FHWA940929A	10/27/94	6Y	
092501	19-175005	2034 IMPERIAL ST		LOS ANGELES	P	1937	HIST.RES.	DOE-19-94-0751-0000	10/27/94	6Y	
							PROJ.REVW.	FHWA940929A	10/27/94	6Y	
092296	19-174988	2042 IMPERIAL ST	RUDOLPH ROSENBERG FACTORY	LOS ANGELES	P	1929	HIST.RES.	DOE-19-94-0718-0000	10/27/94	6Y	
							PROJ.REVW.	FHWA940929A	10/27/94	6Y	
095711	19-175113	10732 INDEPENDENCE AVE		LOS ANGELES	P		PROJ.REVW.	HUD950406Y	04/27/95	6Y	
023614	19-169636	317 INDIANA AVE	JOHN M. SMITH	LOS ANGELES	P	1911	HIST.SURV.	0053-1069-0000		5S2	
023615	19-169637	339 INDIANA AVE	MAGGIE MULDOWNERY	LOS ANGELES	P	1906	HIST.SURV.	0053-1070-0000		7R	
023616	19-169638	347 INDIANA AVE	WILLIAM A. PLENNEY	LOS ANGELES	P	1906	HIST.SURV.	0053-1071-0000		7R	
023617	19-169639	354 INDIANA AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-1072-0000		5S2	
023618	19-169640	419 INDIANA AVE	HELEN G. REETZ	LOS ANGELES	P	1912	HIST.SURV.	0053-1073-0000		7R	
023619	19-169641	516 INDIANA AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1074-0000		5S2	
023620	19-169642	520 INDIANA AVE		LOS ANGELES	P	1914	HIST.SURV.	0053-1075-0000		5S2	
023621	19-169643	548 INDIANA AVE		LOS ANGELES	P	1909	HIST.SURV.	0053-1076-0000		7R	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
022887	19-168911	6225 LEXINGTON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0728-0023		5D2	
022888	19-168912	6228 LEXINGTON AVE		LOS ANGELES	P	1916	HIST.SURV.	0053-0728-0024		5D2	
022890	19-168914	6326 LEXINGTON AVE		LOS ANGELES	P	1927	HIST.SURV.	0053-0729-0001		5D2	
022891	19-168915	6332 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0729-0002		5D2	
022892	19-168916	6337 LEXINGTON AVE		LOS ANGELES	P	1918	HIST.SURV.	0053-0729-0003		5D2	
022893	19-168917	6340 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0729-0004		5D2	
022894	19-168918	6341 LEXINGTON AVE		LOS ANGELES	P	1909	HIST.SURV.	0053-0729-0005		5D2	
022895	19-168919	6344 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0729-0006		5D2	
022898	19-168922	6417 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0001		5D2	
022899	19-168923	6434 LEXINGTON AVE		LOS ANGELES	P	1937	HIST.SURV.	0053-0730-0002		5D2	
022900	19-168924	6437 LEXINGTON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0730-0003		5D2	
022901	19-168925	6451 LEXINGTON AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-0730-0004		5D2	
022902	19-168926	6459 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0005		5D2	
022903	19-168927	6467 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0006		5D2	
022904	19-168928	6473 LEXINGTON AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-0730-0007		5D2	
022905	19-168929	6479 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0008		5D2	
022906	19-168930	6501 LEXINGTON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0730-0009		5D2	
022907	19-168931	6505 LEXINGTON AVE		LOS ANGELES	P	1952	HIST.SURV.	0053-0730-0010		7R	
022908	19-168932	6511 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0011		7R	
022909	19-168933	6512 LEXINGTON AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-0730-0012		5D2	
022910	19-168934	6516 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0013		5D2	
022911	19-168935	6517 LEXINGTON AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-0730-0014		5D2	
022912	19-168936	6523 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0015		5D2	
022913	19-168937	6527 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0016		5D2	
022914	19-168938	6533 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0017		5D2	
022915	19-168939	6537 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0018		5D2	
022916	19-168940	6543 LEXINGTON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0730-0019		5D2	
022556	19-168581	6639 LEXINGTON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0717-0003		5D2	
022918	19-168942	6855 LEXINGTON AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-0731-0001		5D2	
022920	19-168944	6914 LEXINGTON AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0731-0003		5D2	
022919	19-168943	6919 LEXINGTON AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-0731-0002		5D2	
022921	19-168945	7010 LEXINGTON AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-0731-0004		5D2	
022922	19-168946	7011 LEXINGTON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0731-0005		5D2	
022923	19-168947	7021 LEXINGTON AVE		LOS ANGELES	P	1935	HIST.SURV.	0053-0731-0006		5D2	
022896	19-168920	1147 LILLIAN WY		LOS ANGELES	P	1923	HIST.SURV.	0053-0729-0007		5D2	
065031	19-173455	14818 LIME AVE		LOS ANGELES	U		HIST.RES.	DOE-19-87-0010-0000	02/17/87	2S2	C
							PROJ.REVW.	HUD861226D	02/17/87	2S2	C
145909		4818 LINCOLN AVE		LOS ANGELES		1922	HIST.RES.	DOE-19-03-0356-0000	01/31/03	6U	
							PROJ.REVW.	HUD030103G	01/31/03	6U	
024679	19-170700	5260 LINCOLN AVE	LATTER DAY SAINTS CHURCH/GARVANZA	LOS ANGELES	P	1941	HIST.SURV.	0053-2147-0000		7R	
	19-156703										
070488	19-173991	2308 LINCOLN PARK AVE		LOS ANGELES	U	1910	PROJ.REVW.	HUD910520I	06/11/91	6Y	
153034		2338 LINCOLN PARK AVE		LOS ANGELES		1904	PROJ.REVW.	HUD050404N	04/19/05	6U	
070147	19-173925	3417 LINDA VISTA TERRA		LOS ANGELES	U	1929	PROJ.REVW.	HUD910305D	04/10/91	6Y	
021268	19-167305	LINNIE CANAL CT	LINNIE CANAL	LOS ANGELES	M	1905	HIST.SURV.	0053-0347-0002	08/30/82	1D	AC
116353		2216 LINNINGTON AVE		LOS ANGELES	P	1925	HIST.RES.	DOE-19-96-0266-0000	09/05/96	6U	
							PROJ.REVW.	HUD970203Z	09/05/96	6U	
023855	19-169877	4800 LINSCOTT PL	GLORIA HOMES	LOS ANGELES	P	1951	HIST.SURV.	0053-1311-0000		5S2	
	19-157376										
180376		2523 LIVE OAK ST		LOS ANGELES	P	1920	PROJ.REVW.	HUD100802K	08/05/10	6U	
026811	19-172791	3517 LOCKE AVE		LOS ANGELES	P	1904	HIST.SURV.	0053-4131-0000		7N	
	19-156025										
116354		3641 LOCKE AVE		LOS ANGELES	P	1912	HIST.RES.	DOE-19-96-0267-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
070510	19-174001	3723 LOCKE AVE		LOS ANGELES	U	1923	PROJ.REVW.	HUD910520W	06/11/91	6Y	
145910		3741 LOCKE AVE		LOS ANGELES		1910	HIST.RES.	DOE-19-03-0357-0000	01/31/03	6U	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
086537	19-174807	1514 MANHATTAN PL	SITE OF WINEMAN HOUSE	LOS ANGELES	U	1909	HIST.SURV.	0053-4806-0000	06/01/92	6Z	
086538	19-174808	1520 MANHATTAN PL	CHASE HOUSE SITE	LOS ANGELES	U	1909	HIST.SURV.	0053-4807-0000	06/01/92	6Z	
025488	19-171478	2800 MANITOU AVE	JACQUES LEMBERGER / HENRY SIGLER R	LOS ANGELES	P	1887	HIST.RES.	DOE-19-86-0089-0000	06/06/86	2S2	C
	19-155596						PROJ.REVW.	HUD860603E	06/06/86	2S2	C
	19-156053						HIST.SURV.	0053-2891-0000		7N	
025489	19-171479	2808 MANITOU AVE	EDWIN TODD RESIDENCE	LOS ANGELES	P	1887	HIST.RES.	DOE-19-86-0090-0000	06/06/86	2S2	C
	19-156054						PROJ.REVW.	HUD860603F	06/06/86	2S2	C
							HIST.SURV.	0053-2892-0000		7N	
025540	19-171529	2901 MANITOU AVE	JOSEPH STOLTENBERG RESIDENCE	LOS ANGELES	P	1886	HIST.RES.	DOE-19-86-0091-0000	06/06/86	2S2	C
	19-156055						PROJ.REVW.	HUD860603G	06/06/86	2S2	C
							HIST.SURV.	0053-2949-0000		7R	
098080	19-175466	8184 MANNIX DR		LOS ANGELES	M	1923	HIST.RES.	DOE-19-94-0065-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
067280	19-173692	11983 MANOR CT	LENNOX RESIDENTIAL UNITS	LOS ANGELES	U		PROJ.REVW.	HUD890612D	07/12/90	6Y	
022972	19-168996	MANSFIELD AVE	1200-1400 BLOCK OF MANSFIELD AVENU	LOS ANGELES	P	1900	HIST.SURV.	0053-0733-9999		5S2	
022942	19-168966	1200 MANSFIELD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0733-0002		5D2	
022941	19-168965	1201 MANSFIELD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0733-0001		5D2	
022943	19-168967	1212 MANSFIELD AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-0733-0003		5D2	
022944	19-168968	1219 MANSFIELD AVE		LOS ANGELES	P	1926	HIST.SURV.	0053-0733-0004		5D2	
022946	19-168970	1229 MANSFIELD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-0733-0006		5D2	
022947	19-168971	1233 MANSFIELD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0733-0007		5D2	
022945	19-168969	1234 MANSFIELD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0733-0005		5D2	
022948	19-168972	1238 MANSFIELD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-0733-0008		5D2	
022950	19-168974	1242 MANSFIELD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0733-0010		5D2	
022949	19-168973	1304 MANSFIELD AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0733-0009		5D2	
022951	19-168975	1308 MANSFIELD AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0733-0011		5D2	
022952	19-168976	1311 MANSFIELD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0733-0012		5D2	
022954	19-168978	1316 MANSFIELD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0733-0014		5D2	
022953	19-168977	1323 MANSFIELD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-0733-0013		7N	
022957	19-168981	1324 MANSFIELD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0733-0017		5D2	
022958	19-168982	1326 MANSFIELD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0733-0018		5D2	
022956	19-168980	1327 MANSFIELD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0733-0016		5D2	
022955	19-168979	1331 MANSFIELD AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0733-0015		5D2	
022960	19-168984	1335 MANSFIELD AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-0733-0020		5D2	
022959	19-168983	1336 MANSFIELD AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-0733-0019		5D2	
022961	19-168985	1338 MANSFIELD AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-0733-0021		5D2	
022962	19-168986	1341 MANSFIELD AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-0733-0022		5D2	
022963	19-168987	1353 MANSFIELD AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0733-0023		5D2	
022964	19-168988	1400 MANSFIELD AVE		LOS ANGELES	P	1939	HIST.SURV.	0053-0733-0024		5D2	
022965	19-168989	1401 MANSFIELD AVE		LOS ANGELES	P	1903	HIST.SURV.	0053-0733-0025		5D2	
022967	19-168991	1405 MANSFIELD AVE		LOS ANGELES	P	1904	HIST.SURV.	0053-0733-0027		7N	
022966	19-168990	1413 MANSFIELD AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0733-0026		5D2	
022969	19-168993	1413 MANSFIELD AVE		LOS ANGELES	P	1904	HIST.SURV.	0053-0733-0029		5D2	
182724		1430 MANSFIELD AVE		LOS ANGELES	P	1923	PROJ.REVW.	HUD110502H	05/12/11	6U	
022968	19-168992	1449 MANSFIELD AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0733-0028		5D2	
022971	19-168995	1456 MANSFIELD AVE		LOS ANGELES	P	1900	HIST.SURV.	0053-0733-0031		7N	
022970	19-168994	1460 MANSFIELD AVE		LOS ANGELES	P	1918	HIST.SURV.	0053-0733-0030		5D2	
131128		1832 MANSFIELD AVE		LOS ANGELES		1923	HIST.RES.	DOE-19-02-0202-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
024379	19-170401	2100 MANSFIELD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-1847-0000		7R	
024380	19-170402	2106 MANSFIELD AVE		LOS ANGELES	P	1926	HIST.SURV.	0053-1848-0000		7R	
024381	19-170403	2112 MANSFIELD AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-1849-0000		7R	
024382	19-170404	2129 MANSFIELD AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1850-0000		7R	
024383	19-170405	2137 MANSFIELD AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-1851-0000		7R	
024384	19-170406	2211 MANSFIELD AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1852-0000		7R	
024385	19-170407	2229 MANSFIELD AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1853-0000		7R	

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025478	19-171469	1116 MARION AVE		LOS ANGELES	P		HIST.SURV.	0053-2874-0000		7R	
153576		MARIPOSA AVE	7900-8200 BLOCKS MARIPOSA AVE/ VER	LOS ANGELES			HIST.RES.	DOE-19-00-0098-0008	03/31/00	2D4	C
							PROJ.REVW.	HUD000327A	03/31/00	2D4	C
024985	19-170996	645 MARIPOSA AVE	ATLANTIC RICHHFIELD COMPANY	LOS ANGELES	P	1946	HIST.SURV.	0053-2375-0000		5S2	
098086	19-175471	1133 MARIPOSA AVE	RAMONA ELEMENTARY SCHOOL-MAIN BUIL	LOS ANGELES	D		HIST.RES.	DOE-19-94-0070-0000	08/15/94	6Y	
							PROJ.REVW.	HRG940202Z	08/15/94	6Y	
101801	19-176405	1623 MARIPOSA AVE		LOS ANGELES	P		PROJ.REVW.	HUD940922B	04/15/96	6Y	
101803	19-176406	1633 MARIPOSA AVE		LOS ANGELES	P		PROJ.REVW.	HUD940922B	04/15/96	6Y	
098087	19-175472	1825 MARIPOSA AVE		LOS ANGELES	M		HIST.RES.	DOE-19-94-0575-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
153685		7921 MARIPOSA AVE		LOS ANGELES			HIST.RES.	DOE-19-00-0098-0087	03/31/00	6U	
							PROJ.REVW.	HUD000327A	03/31/00	6U	
109953		704 MARKET PL	L.A. UNION TERMINAL	LOS ANGELES	P	1917	HIST.RES.	DOE-19-97-0011-0004	08/01/97	2D2	
							PROJ.REVW.	HUD970721H	08/01/97	2D2	
023857	19-158889	4090 MARLTON AVE	MOBILE GAS STATION	LOS ANGELES	P	1947	HIST.SURV.	0053-1313-0000		3S	
	19-169879										
025632	19-171621	8267 MARMAY PL		LOS ANGELES	P	1922	HIST.SURV.	0053-3036-0000		7N	
024840	19-170860	3431 MARMION WY		LOS ANGELES	P	1890	HIST.SURV.	0053-2309-0000		5S2	
	19-155991										
024841	19-170861	3517 MARMION WY		LOS ANGELES	P	1903	HIST.SURV.	0053-2310-0000		5S2	
	19-155992										
024842	19-170862	3547 MARMION WY		LOS ANGELES	P	1909	HIST.SURV.	0053-2311-0000		5S2	
	19-155993										
024843	19-170863	3551 MARMION WY		LOS ANGELES	P	1905	HIST.SURV.	0053-2312-0000		5S2	
	19-155994										
162426		3601 MARMION WY		LOS ANGELES		1924	PROJ.REVW.	HUD060501M	06/01/06	6U	
024680	19-170701	4105 MARMION WY		LOS ANGELES	P	1900	HIST.SURV.	0053-2148-0000		7R	
	19-158570										
024681	19-170702	4201 MARMION WY		LOS ANGELES	P	1908	HIST.SURV.	0053-2149-0000		7R	
	19-158557										
024682	19-170703	4307 MARMION WY		LOS ANGELES	P	1903	HIST.SURV.	0053-2150-0000		7R	
	19-158564										
024683	19-170704	4521 MARMION WY		LOS ANGELES	P	1900	HIST.SURV.	0053-2151-0000		7N	
	19-158565										
024684	19-170705	4547 MARMION WY		LOS ANGELES	P	1895	HIST.SURV.	0053-2152-0000		7R	
	19-158566										
024685	19-170706	4563 MARMION WY		LOS ANGELES	P	1900	HIST.SURV.	0053-2153-0000		7R	
	19-156704										
098091	19-175476	2101 MARVIN AVE		LOS ANGELES	P	1930	HIST.RES.	DOE-19-94-0595-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
083726	19-174568	8827 MARY AVE		LOS ANGELES	U	1924	PROJ.REVW.	HUD901231D	08/18/93	6Y	
138037		10300 MARY AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0226	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
138038		10301 MARY AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0227	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
138040		10306 MARY AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0228	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137886		10307 MARY AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0075	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137887		10312 MARY AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0076	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137888		10400 MARY AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0077	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138041		10401 MARY AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0229	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137889		10404 MARY AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0078	02/11/03	2D2	

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069897	19-173875	3758 MCKENZIE AVE		LOS ANGELES	U	1906	PROJ.REVW.	HUD901218K	01/15/91	6Y	
069896	19-173874	3758 MCKENZIE AVE		LOS ANGELES	U	1906	PROJ.REVW.	HUD901218K	01/15/91	6Y	
026724	19-172711	4114 MCKINLEY AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-4057-0000		7N	
	19-165600										
026728	19-172715	4211 MCKINLEY AVE		LOS ANGELES	P	1902	HIST.SURV.	0053-4061-0000		7R	
	19-165599										
026729	19-172716	4257 MCKINLEY AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-4062-0000		5S2	
	19-165598										
026725	19-172712	4356 MCKINLEY AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-4058-0000		7R	
	19-166783										
098093	19-175478	4410 MCKINLEY AVE	CARVER MIDDLE SCHOOL	LOS ANGELES	M		HIST.RES.	DOE-19-94-0634-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
026726	19-172713	4820 MCKINLEY AVE		LOS ANGELES	P	1941	HIST.SURV.	0053-4059-0000		7N	
	19-165597										
026727	19-172714	4828 MCKINLEY AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-4060-0000		3S	
	19-165596										
026733	19-172720	4965 MCKINLEY AVE		LOS ANGELES	P	1902	HIST.SURV.	0053-4066-0000		5S2	
026730	19-172717	5219 MCKINLEY AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-4063-0000		7N	
	19-165594										
026731	19-172718	5305 MCKINLEY AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-4064-0000		7R	
	19-165593										
	19-165592										
025649	19-171638	7812 MCKINLEY AVE	McKINLEY AVENUE SCHOOL	LOS ANGELES	D	1925	HIST.RES.	DOE-19-94-0476-0000	08/15/94	7N	
	19-165399						PROJ.REVW.	HRG940202Z	08/15/94	7N	
							HIST.SURV.	0053-3053-0000		7N	
025702	19-171691	10915 MCKINLEY AVE	109TH STREET ELEMENTARY SCHOOL	LOS ANGELES	M	1931	HIST.SURV.	0053-3106-0000		3S	
	19-165200										
127535		2412 MEDFORD ST		LOS ANGELES		1921	HIST.RES.	DOE-19-01-0081-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
024874	19-170894	932 MEI LING WY		LOS ANGELES	P		HIST.SURV.	0053-2318-0027		7R	
024875	19-170895	935 MEI LING WY		LOS ANGELES	P		HIST.SURV.	0053-2318-0028		7R	
024876	19-170896	951 MEI LING WY		LOS ANGELES	P		HIST.SURV.	0053-2318-0029		7R	
024877	19-170897	954 MEI LING WY		LOS ANGELES	P		HIST.SURV.	0053-2318-0030		7R	
073752	19-174104	5150 MELROSE AVE	HOLLYWOOD MELROSE HOTEL / MELROSE	LOS ANGELES	P	1927	HIST.RES.	NPS-92000834-0000	07/08/92	1S	C
							HIST.SURV.	0053-4718-0000	07/08/92	1S	C
							NAT.REG.	19-0070	07/08/92	1S	C
							TAX.CERT.	537.9-19-0019	09/23/87	2D3	
021018	19-167078	6121 MELROSE AVE	JOHN C. FREMONT LIBRARY, LA BRACH	LOS ANGELES	M	1926	HIST.RES.	DOE-19-94-0361-0000	08/27/94	2S2	AC
							PROJ.REVW.	HRG940202Z	08/27/94	2S2	AC
							HIST.RES.	NPS-87001009-0000	05/19/87	1S	AC
							HIST.SURV.	0053-0198-0000	10/01/76	3S	
173786		8378 MELROSE AVE	MELROSE CENTER BUILDING	LOS ANGELES	P	1960	PROJ.REVW.	FCC081003C	10/14/08	6Y	
026538	19-172525	800 MELROSE HILL ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3866-0000		7N	
026539	19-172526	808 MELROSE HILL ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3867-0000		5S2	
026540	19-172527	814 MELROSE HILL ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3868-0000		5S2	
026541	19-172528	818 MELROSE HILL ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3869-0000		3S	
026542	19-172529	824 MELROSE HILL ST		LOS ANGELES	P	1919	HIST.SURV.	0053-3870-0000		3S	
026543	19-172530	830 MELROSE HILL ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3871-0000		5S2	
026544	19-172531	836 MELROSE HILL ST		LOS ANGELES	P	1917	HIST.SURV.	0053-3872-0000		7N	
026552	19-172539	837 MELROSE HILL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-3880-0000		7R	
026545	19-172532	840 MELROSE HILL ST		LOS ANGELES	P	1913	HIST.SURV.	0053-3873-0000		5S2	
026546	19-172533	4928 MELROSE HILL ST		LOS ANGELES	P	1924	HIST.SURV.	0053-3874-0000		7N	
026553	19-172540	4929 MELROSE HILL ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3881-0000		5S2	
026547	19-172534	4936 MELROSE HILL ST		LOS ANGELES	P	1919	HIST.SURV.	0053-3875-0000		5S2	
026548	19-172535	4940 MELROSE HILL ST		LOS ANGELES	P	1919	HIST.SURV.	0053-3876-0000		7N	
026554	19-172541	4941 MELROSE HILL ST		LOS ANGELES	P	1914	HIST.SURV.	0053-3882-0000		7N	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
026549	19-172536	4946 MELROSE HILL ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3877-0000		5S2	
026555	19-172542	4947 MELROSE HILL ST		LOS ANGELES	P	1918	HIST.SURV.	0053-3883-0000		5S2	
026550	19-172537	4954 MELROSE HILL ST		LOS ANGELES	P	1916	HIST.SURV.	0053-3878-0000		7R	
026556	19-172543	4957 MELROSE HILL ST		LOS ANGELES	P	1916	HIST.SURV.	0053-3884-0000		7R	
026557	19-172544	4959 MELROSE HILL ST		LOS ANGELES	P	1926	HIST.SURV.	0053-3885-0000		7R	
026551	19-172538	4960 MELROSE HILL ST		LOS ANGELES	P	1920	HIST.SURV.	0053-3879-0000		3S	
098094	19-175479	8626 MELVIL ST		LOS ANGELES	P	1921	HIST.RES.	DOE-19-94-0597-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
021019	19-162312	3990 MENLO AVE	EXPOSITION COMMUNITY HOUSE, EXPOSI	LOS ANGELES	M	1929	HIST.SURV.	0053-0199-0000		3S	
	19-167079										
023775	19-169797	5917 MENLO AVE		LOS ANGELES	P	1890	HIST.SURV.	0053-1231-0000		7N	
	19-163022										
184029		7101 MENLO AVE	LA33709D MENLO LODGE	LOS ANGELES	P	1930	PROJ.REVW.	FCC091118E	04/12/10	6Y	
070333	19-173956	8632 MENLO AVE		LOS ANGELES	U	1939	PROJ.REVW.	HUD910430C	05/09/91	6Y	
070291	19-173940	8632 MENLO AVE		LOS ANGELES	U	1939	PROJ.REVW.	HUD910430C	05/09/91	6Y	
088902	19-174883	8801 MENLO AVE		LOS ANGELES	P	1942	PROJ.REVW.	HUD940211N	04/04/94	6Y	
162427		13828 MENLO AVE		LOS ANGELES		1947	PROJ.REVW.	HUD060501M	06/01/06	6U	
123843		3317 MERCED ST		LOS ANGELES	U	1911	HIST.RES.	DOE-19-00-0080-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
026804	19-172784	4300 MERCURY AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-4124-0000		7N	
	19-156021										
123844		5711 MERIDIAN ST	5711-5713 1/2 MERIDIAN ST	LOS ANGELES	U	1923	HIST.RES.	DOE-19-00-0081-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
027378	19-173306	2010 MERTON AVE	ST DOMINIC'S CHURCH	LOS ANGELES	P	1924	HIST.SURV.	0053-4654-0000		7N	
	19-155077										
023518	19-169540	916 MESA AVE		LOS ANGELES	P	1900	HIST.SURV.	0053-0971-0000		7R	
023519	19-169541	1011 MESA AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-0972-0000		5S2	
023520	19-169542	1220 MESA AVE		LOS ANGELES	P	1890	HIST.SURV.	0053-0973-0000		5S2	
023521	19-169543	1230 MESA AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-0974-0000		7R	
023522	19-169544	1304 MESA AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-0975-0000		5S2	
023523	19-169545	1611 MESA AVE		LOS ANGELES	P	1898	HIST.SURV.	0053-0976-0000		5S2	
023524	19-169546	1931 MESA AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-0977-0000		5S2	
024687	19-170708	6035 MESA AVE	CHHURCH OF GOD HOLINESS	LOS ANGELES	P	1905	HIST.SURV.	0053-2155-0000		7R	
027398	19-173326	650 MICHELTORENA ST	HOLY VIRGIN MARY RUSSIAN ORTHODOX	LOS ANGELES	P	1928	HIST.SURV.	0053-4667-0000		7N	
098095	19-175480	1511 MICHELTORENA ST	MICHELTORENA ELEMENTARY SCHOOL	LOS ANGELES	M		HIST.RES.	DOE-19-94-0633-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
021020	19-167080	2323 MICHELTORENA ST	TIERMAN HOUSE	LOS ANGELES	P	1940	HIST.SURV.	0053-0200-0000		7N	
025822	19-171811	1914 MICHIGAN AVE	GEORGE R ELLIS RESIDENCE	LOS ANGELES	P	1887	HIST.RES.	DOE-19-97-0060-0000	04/23/97	2S2	C
							PROJ.REVW.	FTA940429A	04/23/97	2S2	C
							HIST.RES.	DOE-19-86-0120-0000	08/05/86	2S2	C
							PROJ.REVW.	HUD860729F	08/05/86	2S2	C
							HIST.SURV.	0053-3227-0000		7N	
114083		1924 MICHIGAN AVE	ABILA RESIDENCE	LOS ANGELES	U	1886	HIST.RES.	DOE-19-97-0062-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
114084		1969 MICHIGAN AVE	WYLIE RESIDENCE	LOS ANGELES	U	1890	HIST.RES.	DOE-19-97-0063-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
091455	19-174970	2423 MICHIGAN AVE		LOS ANGELES	P	1896	HIST.RES.	DOE-19-94-0675-0000	08/30/94	2S2	C
							PROJ.REVW.	FTA940429A	08/30/94	2S2	C
091433	19-174964	2533 MICHIGAN AVE		LOS ANGELES	P	1891	HIST.RES.	DOE-19-94-0682-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
069905	19-173882	2600 MICHIGAN AVE		LOS ANGELES	U	1922	PROJ.REVW.	HUD901218R	01/15/91	6Y	
091410	19-174944	2719 MICHIGAN AVE		LOS ANGELES	P	1894	HIST.RES.	DOE-19-94-0701-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
125524		3517 MICHIGAN AVE		LOS ANGELES	U	1923	HIST.RES.	DOE-19-97-0244-0000	10/06/97	6Y	
							PROJ.REVW.	HUD971006G	10/06/97	6Y	
064809	19-173369	4226 MICHIGAN AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860702E	08/04/86	6Y	

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066361	19-173600	4248 MICHIGAN AVE	REHABILITATION OF HOUSE	LOS ANGELES	U		PROJ.REVW.	HUD871109G	12/15/87	6Y	
021119	19-167176	7634 MIDFIELD AVE	CENTINELA ADOBE	LOS ANGELES	M	1834	HIST.RES.	DOE-19-94-0357-0000	04/01/94	2S2	
							PROJ.REVW.	HRG940202Z	09/30/94	2S2	
							HIST.RES.	NPS-74000522-0000	05/02/74	1S	
							HIST.SURV.	0053-0235-0000	05/02/74	1S	
098096	19-175481	2212 MIDVALE AVE		LOS ANGELES	M	1924	HIST.RES.	DOE-19-94-0576-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
153857		1161 MILLER AVE		LOS ANGELES		1939	PROJ.REVW.	HUD040329B	04/21/04	6U	
021358	19-167392	6707 MILNER RD		LOS ANGELES	P	1925	HIST.RES.	NPS-82002189-0076	08/19/82	1D	AC
021356	19-167390	6708 MILNER RD		LOS ANGELES	P	1926	HIST.RES.	NPS-82002189-0074	08/19/82	1D	AC
021359	19-167393	6717 MILNER RD		LOS ANGELES	P	1924	HIST.RES.	NPS-82002189-0077	08/19/82	1D	AC
021355	19-167389	6718 MILNER RD	MARIE DRESSLER HOME	LOS ANGELES	P	1926	HIST.RES.	NPS-82002189-0073	08/19/82	1D	AC
021354	19-167388	6726 MILNER RD		LOS ANGELES	P	1928	TAX.CERT.	537.9-19-0315	05/19/03	7J	
							HIST.RES.	NPS-82002189-0072	08/19/82	1D	AC
021360	19-167394	6727 MILNER RD		LOS ANGELES	P	1924	HIST.RES.	NPS-82002189-0078	08/19/82	1D	AC
021352	19-167386	6740 MILNER RD	IRENE TEDROW/LENORE COFFEE HOME	LOS ANGELES	P	1928	HIST.RES.	NPS-82002189-0070	08/19/82	1D	AC
021348	19-167382	6746 MILNER RD		LOS ANGELES	P	1923	HIST.RES.	NPS-82002189-0066	08/19/82	1D	AC
021353	19-167387	6747 MILNER RD	WILLIAM WELLMAN/JACK MULHALL HOME	LOS ANGELES	P	1923	HIST.RES.	NPS-82002189-0071	08/19/82	1D	AC
021347	19-167381	6753 MILNER RD		LOS ANGELES	P	1923	HIST.RES.	NPS-82002189-0065	08/19/82	1D	AC
021345	19-167379	6756 MILNER RD		LOS ANGELES	P	1925	HIST.RES.	NPS-82002189-0063	08/19/82	1D	AC
021346	19-167380	6757 MILNER RD		LOS ANGELES	P	1923	HIST.RES.	NPS-82002189-0064	08/19/82	1D	AC
021342	19-167376	6758 MILNER RD		LOS ANGELES	P	1923	HIST.RES.	NPS-82002189-0060	08/19/82	1D	AC
021341	19-167375	6760 MILNER RD		LOS ANGELES	P	1922	HIST.RES.	NPS-82002189-0059	08/19/82	1D	AC
021337	19-167371	6764 MILNER RD		LOS ANGELES	P	1921	HIST.RES.	NPS-82002189-0055	08/19/82	1D	AC
021336	19-167370	6770 MILNER RD	MARQUARDT / CARON HOME	LOS ANGELES	P	1922	HIST.RES.	NPS-82002189-0054	08/19/82	1D	AC
021335	19-167369	6776 MILNER RD		LOS ANGELES	P	1922	HIST.RES.	NPS-82002189-0053	08/19/82	1D	AC
021334	19-167368	6782 MILNER RD		LOS ANGELES	P	1925	HIST.RES.	NPS-82002189-0052	08/19/82	1D	AC
021333	19-167367	6796 MILNER RD		LOS ANGELES	P	1935	HIST.RES.	NPS-82002189-0051	08/19/82	1D	AC
153037		622 MILO TERRACE		LOS ANGELES		1925	PROJ.REVW.	HUD050404N	04/19/05	6U	
180377		9001 MINES AVE		LOS ANGELES	P	1961	PROJ.REVW.	HUD100802K	08/05/10	6U	
							PROJ.REVW.	HUD100802K	08/05/10	6U	
162428		2918 MINTO CT		LOS ANGELES		1924	PROJ.REVW.	HUD060501M	06/01/06	6U	
021043	19-167101	1425 MIRAMAR ST	SAMUEL J LEWIS HOUSE	LOS ANGELES	P	1890	HIST.SURV.	0053-0224-0000		7R	
175349		1907 MIRAMAR ST		LOS ANGELES	P	1949	PROJ.REVW.	HUD070529J	07/05/07	6U	
179993		6608 MIRAMONTE BLVD		LOS ANGELES	P	1909	PROJ.REVW.	HUD070205D	05/01/08	6U	
064808	19-173368	8418 MIRAMONTE BLVD	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860702D	08/04/86	6Y	
098097	19-175482	1321 MISSION RD	LIVINGSTON RESEARCH CENTER / BUILD	LOS ANGELES	P	1945	HIST.RES.	DOE-19-94-0467-0000	06/04/94	6Y	
							PROJ.REVW.	HRG940202Z	06/04/94	6Y	
065159	19-173463	758 MOBILE AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870422E	04/27/87	6Y	
024272	19-170294	1006 MOHAWK ST		LOS ANGELES	P	1900	HIST.SURV.	0053-1733-0000		5S2	
024271	19-170293	1007 MOHAWK ST		LOS ANGELES	P	1902	HIST.SURV.	0053-1732-0000		5S2	
024273	19-170295	1010 MOHAWK ST		LOS ANGELES	P	1902	HIST.SURV.	0053-1734-0000		5S2	
024219	19-170241	1121 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1680-0000		5S2	
024220	19-170242	1122 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1681-0000		5S2	
024218	19-170240	1129 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1679-0000		5S2	
024214	19-170236	1135 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1675-0000		5S2	
024213	19-170235	1141 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1674-0000		5S2	
024208	19-170230	1202 MOHAWK ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1669-0000		5S2	
024209	19-170231	1206 MOHAWK ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1670-0000		5S2	
024210	19-170232	1212 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1671-0000		5S2	
024211	19-170233	1216 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1672-0000		5S2	
024212	19-170234	1222 MOHAWK ST		LOS ANGELES	P	1920	HIST.SURV.	0053-1673-0000		5S2	
024182	19-170204	1306 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1643-0000		5S2	
024178	19-170200	1310 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1639-0000		5S2	
024177	19-170199	1316 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1638-0000		5S2	
024176	19-170198	1319 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1637-0000		5S2	

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024175	19-170197	1327 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1636-0000		5S2	
024173	19-170195	1336 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1634-0000		5S2	
024174	19-170196	1337 MOHAWK ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1635-0000		5S2	
024151	19-170173	1353 MOHAWK ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1612-0000		5S2	
024150	19-170172	1400 MOHAWK ST		LOS ANGELES	P	1922	HIST.SURV.	0053-1611-0000		5S2	
024149	19-170171	1405 MOHAWK ST		LOS ANGELES	P	1922	HIST.SURV.	0053-1610-0000		5S2	
024148	19-170170	1442 MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1609-0000		5S2	
024145	19-170167	1443 MOHAWK ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1606-0000		5S2	
024144	19-170166	1505 MOHAWK ST		LOS ANGELES	P	1915	HIST.SURV.	0053-1605-0000		5S2	
024143	19-170165	1510 MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1604-0000		5S2	
024128	19-170150	1627 MOHAWK ST		LOS ANGELES	U	1915	HIST.SURV.	0053-1589-0000		5S2	
027041	19-173021	2611 MONMOUTH AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-4359-0000		3S	
145866		2611 MONMOUTH AVE		LOS ANGELES	P	1924	HIST.RES.	NPS-04000016-0035	02/11/04	1D	C
145867		2623 MONMOUTH AVE		LOS ANGELES	P	1896	HIST.RES.	NPS-04000016-0036	02/11/04	6X	
027042	19-173022	2623 MONMOUTH AVE		LOS ANGELES	P	1907	HIST.SURV.	0053-4360-0000		7N	
027043	19-173023	2627 MONMOUTH AVE		LOS ANGELES	S	1930	HIST.SURV.	0053-4361-0000		3S	
145868		2627 MONMOUTH AVE		LOS ANGELES	P	1929	HIST.RES.	NPS-04000016-0037	02/11/04	1D	C
145869		2633 MONMOUTH AVE	SHANKS, DAVID AND FANNIE, RESIDENC	LOS ANGELES	P	1895	HIST.RES.	NPS-04000016-0038	02/11/04	6X	
027044	19-173024	2633 MONMOUTH AVE		LOS ANGELES	S	1894	HIST.SURV.	0053-4362-0000		3S	
027048	19-173028	2634 MONMOUTH AVE		LOS ANGELES	P	1907	HIST.SURV.	0053-4366-0000		3S	
027045	19-173025	2635 MONMOUTH AVE		LOS ANGELES	S	1894	HIST.SURV.	0053-4363-0000		3S	
145871		2635 MONMOUTH AVE		LOS ANGELES	P	1900	HIST.RES.	NPS-04000016-0039	02/11/04	1D	C
021044	19-167102	2639 MONMOUTH AVE	BAILHACHE, JOHN & ISOPHENE HOME/AD	LOS ANGELES	P	1892	HIST.RES.	NPS-04000016-0041	02/11/04	1D	C
							HIST.SURV.	0053-0225-0000		7R	
027046	19-173026	2639 MONMOUTH AVE	ADLAI STEVENSON BIRTHPLACE	LOS ANGELES	P	1892	HIST.SURV.	0053-4364-0000		3S	
027049	19-173029	2640 MONMOUTH AVE		LOS ANGELES	P	1894	HIST.SURV.	0053-4367-0000		3S	
027050	19-173030	2642 MONMOUTH AVE		LOS ANGELES	P	1894	HIST.SURV.	0053-4368-0000		3S	
027047	19-173027	2643 MONMOUTH AVE		LOS ANGELES	P	1894	HIST.SURV.	0053-4365-0000		3S	
145872		2643 MONMOUTH AVE		LOS ANGELES	P	1894	HIST.RES.	NPS-04000016-0041	02/11/04	1D	C
100409	19-176013	12507 MONTAGUE ST		LOS ANGELES	P	1941	HIST.RES.	DOE-19-95-0141-0000	07/12/95	6Y	
							PROJ.REVW.	HRG940202Z	07/12/95	6Y	
125988		1801 MONTANA ST		LOS ANGELES	Y	1939	HIST.RES.	DOE-19-00-0193-0000	02/11/00	6U	
							PROJ.REVW.	HUD001017Z	02/11/00	6U	
070456	19-173985	12579 MONTAQUE ST		LOS ANGELES	U	1936	PROJ.REVW.	HUD910522D	06/12/91	6Y	
116255		4012 MONTCLAIR ST		LOS ANGELES	P	1927	HIST.RES.	DOE-19-96-0176-0000	02/01/96	6U	
							PROJ.REVW.	HUD960801E	02/01/96	6U	
026577	19-172564	4200 MONTCLAIR ST		LOS ANGELES	P	1924	HIST.RES.	DOE-19-96-0177-0000	02/01/96	6U	
							PROJ.REVW.	HUD960801E	02/01/96	6U	
							HIST.SURV.	0053-3905-0000		7R	
024688	19-170709	5006 MONTE VISTA ST		LOS ANGELES	P	1924	HIST.SURV.	0053-2156-0000		7R	
	19-156690										
123845		5034 MONTE VISTA ST		LOS ANGELES	U	1922	HIST.RES.	DOE-19-00-0082-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
024689	19-170710	5616 MONTE VISTA ST		LOS ANGELES	P	1909	HIST.SURV.	0053-2157-0000		7N	
	19-156705										
024690	19-170711	5705 MONTE VISTA ST		LOS ANGELES	P	1895	HIST.SURV.	0053-2158-0000		7N	
	19-156706										
024691	19-170712	5721 MONTE VISTA ST	SUNRISE COURT	LOS ANGELES	P	1921	HIST.SURV.	0053-2159-0000		7R	
	19-158031										
024692	19-170713	5817 MONTE VISTA ST	HIGHLAND PARK BAPTIST CHURCH	LOS ANGELES	P	1911	HIST.SURV.	0053-2160-0000		5S2	
	19-158033										
026803	19-172783	MONTECITO DR	MONTECITO DRIVE RESIDENCES	LOS ANGELES	P	1961	HIST.SURV.	0053-4123-9999		7R	
026789	19-172769	952 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0001		7R	
	19-156006										
026790	19-172770	956 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0002		7R	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
	19-156007										
026791	19-172771	958 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0003		7R	
	19-156008										
026792	19-172772	962 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0004		7R	
	19-156009										
026793	19-172773	964 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0005		7R	
	19-156010										
026794	19-172774	968 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0006		7R	
	19-156011										
026795	19-172775	982 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0007		7R	
	19-156012										
026796	19-172776	984 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0008		7R	
	19-156013										
026797	19-172777	1004 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0009		7R	
	19-156014										
026798	19-172778	1014 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0010		7R	
	19-156015										
026799	19-172779	1024 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0011		7R	
	19-156016										
026800	19-172780	1130 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0012		7R	
	19-156017										
026801	19-172781	1150 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0013		7R	
	19-156018										
026802	19-172782	1210 MONTECITO DR		LOS ANGELES	P		HIST.SURV.	0053-4123-0014		7R	
	19-156019										
069392	19-173806	921 MONTEREY RD	HOUSE	LOS ANGELES	U		PROJ.REVW.		10/28/77	2S	
072851	19-174034	3618 MONTEREY RD		LOS ANGELES	U	1931	PROJ.REVW.	HUD910726A	08/29/91	6Y	
072884	19-174038	3622 MONTEREY RD		LOS ANGELES	U	1929	PROJ.REVW.	HUD910805L	08/21/91	6Y	
153038		6416 MONTEREY RD		LOS ANGELES		1951	PROJ.REVW.	HUD050404N	04/19/05	6U	
024693	19-170714	5046 MONTEZUMA ST		LOS ANGELES	P	1911	HIST.SURV.	0053-2161-0000		7R	
	19-156707										
171695		10356 MONTGOMERY AVE		LOS ANGELES		1953	PROJ.REVW.	HUD080109F	04/17/08	6U	
024303	19-170325	1910 MONTROSE ST		LOS ANGELES	P	1908	HIST.SURV.	0053-1764-0000		5S2	
024301	19-170323	1912 MONTROSE ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1762-0000		5S2	
024302	19-170324	1916 MONTROSE ST		LOS ANGELES	P	1900	HIST.SURV.	0053-1763-0000		5S2	
024300	19-170322	1936 MONTROSE ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1761-0000		5S2	
076830	19-174254	4285 MOONSTONE DR		LOS ANGELES	U	1923	PROJ.REVW.	HUD920407L	05/06/92	6Y	
175351		4297 MOONSTONE DR		LOS ANGELES	P	1924	PROJ.REVW.	HUD070529J	07/05/07	6U	
074293	19-174157	4429 MOONSTONE DR		LOS ANGELES	U	1932	PROJ.REVW.	HUD911226A	01/15/92	6Y	
100644	19-176192	14953 MOORPARK ST		LOS ANGELES	P	1924	HIST.RES.	DOE-19-94-0568-0000	11/22/94	6Y	
							PROJ.REVW.	HRG940202Z	11/22/94	6Y	
097496	19-175215	16756 MOORPARK ST	FOOD STORAGE BUILDING	LOS ANGELES	S		HIST.RES.	SHL-0689-0003	07/31/59	7L	
							PROJ.REVW.	HRG940202Z	09/30/94	7K	
							HIST.RES.	NPS-71000142-0003	02/24/71	1D	AC
097495	19-175214	16756 MOORPARK ST	GARNIER BUILDING	LOS ANGELES	S	1872	PROJ.REVW.	HRG940202Z	09/30/94	7K	
							HIST.RES.	NPS-71000142-0002	02/24/71	1D	AC
							HIST.RES.	SHL-0689-0002	07/31/59	7L	
097497	19-175216	16756 MOORPARK ST	LIMESTONE BLACKSMITH SHOP	LOS ANGELES	S		PROJ.REVW.	HRG940202Z	09/30/94	7K	
							HIST.RES.	NPS-71000142-0004	02/24/71	1D	AC
							HIST.RES.	SHL-0689-0004	07/31/59	7L	
097494	19-175213	16756 MOORPARK ST	VINCENTE DE LA OSA ADOBE/LOS ENCIN	LOS ANGELES	S	1840	PROJ.REVW.	HRG940202Z	09/30/94	7K	
							HIST.RES.	NPS-71000142-0001	02/24/71	1D	AC
							HIST.RES.	SHL-0689-0001	07/31/59	7L	
021217	19-167264	16756 MOORPARK ST	RANCHO EL ENCINO (SHP)	LOS ANGELES	S	1840	HIST.RES.	NPS-71000142-9999	02/24/71	1S	AC
							HIST.RES.	SHL-0689-9999	07/31/59	7L	
132025		5401 MORELLA AVE		LOS ANGELES	P	1942	HIST.RES.	DOE-19-02-0777-0000	03/20/02	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	FTA010604A	03/20/02	6Y	
081924	19-174489	4416 MORGAN AVE	RESIDENCE	LOS ANGELES	U	1910	PROJ.REVW.	HUD930412G	05/26/93	6Y	
154061		5739 MORGAN AVE		LOS ANGELES		1915	PROJ.REVW.	HUD040202L	02/02/04	6U	
081126	19-174436	1333 MORROW PL		LOS ANGELES	U	1928	PROJ.REVW.	HUD871027C	01/13/93	6Y	
							PROJ.REVW.	HUD921103J	12/07/92	6Y	
066273	19-173588	1343 MORROW PL	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870928I	10/28/87	6Y	
125155		1727 MORTON AVE	1727-1729 MORTON AVE	LOS ANGELES	Y		HIST.RES.	DOE-19-98-0339-0000	08/03/98	6Y	
							PROJ.REVW.	HUD980803I	08/03/98	6Y	
065044	19-173456	8241 MORTON AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870123K	02/19/87	6Y	
024760	19-170780	2916 MOSS AVE		LOS ANGELES	P	1910	HIST.SURV.	0053-2229-0000		5S2	
024761	19-170781	2926 MOSS AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-2230-0000		5S2	
096987	19-175178	3028 MOTOR AVE		LOS ANGELES	P	1937	PROJ.REVW.	HUD950630N	07/20/95	6Y	
100645	19-176193	3402 MOTOR AVE		LOS ANGELES	P	1910	HIST.RES.	DOE-19-94-0569-0000	11/22/94	6Y	
							PROJ.REVW.	HRG940202Z	11/22/94	6Y	
123846		601 MOTT ST		LOS ANGELES	U	1924	HIST.RES.	DOE-19-00-0083-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
065447	19-173496	1312 MOTT ST		LOS ANGELES	U		PROJ.REVW.	HUD880829i	10/21/88	6Y	
123768		6222 MOUNT ANGELUS DR		LOS ANGELES	U	1928	HIST.RES.	DOE-19-99-0339-0000	02/01/99	6Y	
							PROJ.REVW.	HUD990201N	02/01/99	6Y	
025490	19-171480	2624 MOZART ST	ADRIAN H OLIN RESIDENCE	LOS ANGELES	P	1902	HIST.RES.	DOE-19-86-0092-0000	06/06/86	2S2	C
	19-156056						PROJ.REVW.	HUD860603H	06/06/86	2S2	C
							HIST.SURV.	0053-2893-0000		7N	
024762	19-170782	1436 MT PLEASANT ST		LOS ANGELES	P	1911	HIST.SURV.	0053-2231-0000		7N	
024763	19-170783	1442 MT PLEASANT ST		LOS ANGELES	P	1911	HIST.SURV.	0053-2232-0000		7N	
127537		4367 MULTNOMAH ST		LOS ANGELES		1941	HIST.RES.	DOE-19-01-0083-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
097805	19-175289	1501 MURCHINSON ST	MURCHINSON ELEMENTARY SCHOOL	LOS ANGELES	D	1925	HIST.RES.	DOE-19-94-0570-0000	08/15/94	6Y	
							PROJ.REVW.	HRG940202Z	08/15/94	6Y	
024694	19-170715	234 MUSEUM DR	SOUTHWEST MUSEUM	LOS ANGELES	P	1912	HIST.RES.	NPS-92001270-0000	07/13/07	1S	A
							NAT.REG.	19-0495	05/03/07	3S	A
							HIST.RES.	NPS-92001270-0000	03/11/04	1S	BC
							NAT.REG.	19-0068	01/16/04	3S	BC
							HIST.SURV.	0053-2162-0000	04/03/81	3S	
							HIST.SURV.	0053-0122-0000	09/01/76	3S	
146488		234 MUSEUM DR	SOUTHWEST MUSEUM TUNNEL PORTAL	LOS ANGELES	P	1920	HIST.RES.	NPS-92001270-0001	03/11/04	1D	BC
146489		234 MUSEUM DR	SOUTHWEST MUSEUM LIBRARY	LOS ANGELES	P	1977	HIST.RES.	NPS-92001270-0002	03/11/04	1D	BC
120004		2000 MYRTLE AVE		LOS ANGELES	P	1924	HIST.RES.	DOE-19-99-0060-0000	03/12/99	6Y	
							PROJ.REVW.	HUD990222O	03/12/99	6Y	
025156	19-171159	800 N ALAMEDA ST	LOS ANGELES UNION STATION	LOS ANGELES	P	1938	PROJ.REVW.	FTA010315A	12/05/01	1S	C
							TAX.CERT.	537.9-19-0146	11/20/92	7K	
							HIST.SURV.	0053-2551-0000	12/01/81	7K	
							HIST.RES.	UMTA820708A	06/12/82	7K	
							HIST.SURV.	0053-2345-0000	06/12/82	7K	
							HIST.RES.	NPS-80000811-0000	11/13/80	1S	
							HIST.RES.	DOE-19-79-0018-0000	03/28/79	2S2	AC
							PROJ.REVW.	UMTA781024A	10/24/78	2S2	AC
							HIST.SURV.	0053-0201-0000	09/01/76	7N	
024956	19-170973	900 N ALAMEDA ST	LOS ANGELES POST OFFICE TERMINAL A	LOS ANGELES	F	1938	TAX.CERT.	537.9-19-0238	05/26/05	1S	C
							HIST.SURV.	NPS-85000131-0000	01/11/85	1S	C
							HIST.RES.	DOE-19-83-0001-0000	05/23/83	2S2	AC
							PROJ.REVW.	UMTA820708A	02/23/83	2S2	AC
							PROJ.REVW.	65000962	05/24/83	2S2	AC
025585	19-171574	901 N ALAMEDA ST	CHEVRON STATION	LOS ANGELES	M	1970	HIST.SURV.	0053-2989-0000		7R	
175538		4029 N ALCOVE AVE		LOS ANGELES	P	1938	PROJ.REVW.	HUD080707A	07/22/08	6U	
171625		6920 N ALCOVE AVE		LOS ANGELES		1939	PROJ.REVW.	HUD080109F	04/17/08	6U	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
135891		302 N ALEXANDRIA AVE	BEVERLY VIEW APARTMENT BLDG	LOS ANGELES	P	1928	HIST.RES.	DOE-19-02-1135-0000	09/12/02	6Y	
							PROJ.REVW.	FCC020717M	09/12/02	6Y	
097922	19-175357	1732 N ALEXANDRIA AVE		LOS ANGELES	M	1920	HIST.RES.	DOE-19-94-0247-0000	04/29/94	6L	
							PROJ.REVW.	HRG940202Z	04/29/94	6L	
024097	19-170119	1307 N ALLESANDRO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1558-0000		5S2	
024098	19-170120	1353 N ALLESANDRO ST		LOS ANGELES	P	1911	HIST.SURV.	0053-1559-0000		7N	
024099	19-170121	1537 N ALLESANDRO ST		LOS ANGELES	P	1929	HIST.SURV.	0053-1560-0000		5S2	
024100	19-170122	1600 N ALLESANDRO ST		LOS ANGELES	P	1921	HIST.SURV.	0053-1561-0000		5S2	
171626		418 N ALVARADO ST		LOS ANGELES		1914	PROJ.REVW.	HUD080109F	04/17/08	6U	
024086	19-170108	622 N ALVARADO ST		LOS ANGELES	P	1926	HIST.SURV.	0053-1547-0000		5S2	
024087	19-170109	726 N ALVARADO ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1548-0000		5S2	
024088	19-170110	800 N ALVARADO ST		LOS ANGELES	P	1926	HIST.SURV.	0053-1549-0000		7R	
024089	19-170111	916 N ALVARADO ST		LOS ANGELES	P	1907	HIST.SURV.	0053-1550-0000		5S2	
024090	19-170112	1012 N ALVARADO ST		LOS ANGELES	P	1938	HIST.SURV.	0053-1551-0000		5S2	
024091	19-170113	1016 N ALVARADO ST		LOS ANGELES	P	1928	HIST.SURV.	0053-1552-0000		5S2	
024092	19-170114	1026 N ALVARADO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1553-0000		5S2	
156189		1200 N ALVARADO ST		LOS ANGELES	P	1932	PROJ.REVW.	FCC050926L	10/24/05	6Y	
027372	19-173300	1226 N ALVARADO ST	ECHO PARK UNITED METHODIST CHURCH	LOS ANGELES	P	1924	HIST.SURV.	0053-4651-0000		7R	
024093	19-170115	1307 N ALVARADO ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1554-0000		5S2	
024094	19-170116	1311 N ALVARADO ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1555-0000		5S2	
024095	19-170117	1417 N ALVARADO ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1556-0000		5S2	
024096	19-170118	1443 N ALVARADO ST		LOS ANGELES	P	1922	HIST.SURV.	0053-1557-0000		5S2	
177634		132 N ARDEN BLVD	LARCHMONT HEIGHTS HISTORIC DISTRIC	LOS ANGELES	P	1920	PROJ.REVW.	HUD091012A	10/27/09		
							PROJ.REVW.	HUD091012A	10/27/09	2D2	
175273		740 N ARDMORE AVE		LOS ANGELES	P	1920	PROJ.REVW.	HUD070529J	07/05/07	6U	
175274		1266 N ARDMORE ST		LOS ANGELES	P	1924	PROJ.REVW.	HUD070529J	07/05/07	6U	
096399	19-175147	1938 N ARGYLE AVE		LOS ANGELES	P	1921	PROJ.REVW.	HUD950530M	06/26/95	6Y	
065236	19-173475	2034 N ARGYLE AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870622H	07/13/87	6Y	
083315	19-174540	100 N ARIZONA AVE	100-300 BLOCK OF NORTH ARIZONA AVE	LOS ANGELES	U		PROJ.REVW.	HUD891231i	08/06/93	6Y	
095165	19-175096	338 N ARIZONA AVE		LOS ANGELES		1930	PROJ.REVW.	HUD940114B	09/19/94	6Y	
175540		5641 N AUCKLAND AVE		LOS ANGELES	P	1941	PROJ.REVW.	HUD080707A	07/22/08	6U	
175663		5659 N AUCKLAND AVE		LOS ANGELES	P	1946	PROJ.REVW.	HUD090126A	01/28/09	6U	
152993		222 N AVE 23		LOS ANGELES		1949	HIST.RES.	DOE-19-05-0060-0000	05/19/05	6U	
							PROJ.REVW.	HUD050404N	05/19/05	6U	
024745	19-170765	1558 N AVE 46		LOS ANGELES	P	1925	HIST.SURV.	0053-2214-0000		5S2	
175279		427 N AVE 50		LOS ANGELES	P	1895	PROJ.REVW.	HUD070529J	07/05/07	6U	
116402		507 N AVE 50		LOS ANGELES	P	1912	HIST.RES.	DOE-19-96-0309-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
162389		607 N AVE 50		LOS ANGELES		1905	PROJ.REVW.	HUD060501M	06/01/06	6U	
024565	19-170586	701 N AVE 50		LOS ANGELES	P	1925	HIST.SURV.	0053-2033-0000		7R	
024566	19-170587	705 N AVE 50		LOS ANGELES	P	1926	HIST.SURV.	0053-2034-0000		7R	
099323	19-175785	731 N AVE 50		LOS ANGELES	P	1912	HIST.RES.	DOE-19-94-0080-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
116298		207 N AVE 51		LOS ANGELES	P	1921	HIST.RES.	DOE-19-96-0212-0000	02/29/96	6U	
							PROJ.REVW.	HUD960801E	02/29/96	6U	
131053		339 N AVE 51		LOS ANGELES		1921	HIST.RES.	DOE-19-02-0164-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
086422	19-174758	464 N AVE 51		LOS ANGELES	P	1915	HIST.SURV.	0053-4737-0000	06/01/92	6L	
171633		912 N AVE 51		LOS ANGELES		1926	PROJ.REVW.	HUD080109F	04/17/08	6U	
123800		127 N AVE 52		LOS ANGELES	U	1902	HIST.RES.	DOE-19-00-0036-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
024568	19-170589	221 N AVE 52		LOS ANGELES	P	1928	HIST.SURV.	0053-2036-0000		7R	
125967		230 N AVE 52		LOS ANGELES	Y	1906	HIST.RES.	DOE-19-00-0168-0000	05/02/00	6U	
							PROJ.REVW.	HUD001017Z	05/02/00	6U	
024569	19-170590	318 N AVE 52		LOS ANGELES	P	1906	HIST.SURV.	0053-2037-0000		7R	
024570	19-170591	457 N AVE 52		LOS ANGELES	P	1907	HIST.SURV.	0053-2038-0000		7R	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
024851	19-170871	957 N BROADWAY		LOS ANGELES	P		HIST.SURV.	0053-2318-0004		7R	
072897	19-174048	2131 N BROADWAY		LOS ANGELES	U	1909	PROJ.REVW.	HUD910812A	08/22/91	6Y	
026765	19-172748	2201 N BROADWAY	HOME FEDERAL SAVINGS	LOS ANGELES	P	1915	HIST.SURV.	0053-4098-0000		3S	
	19-156357										
026766	19-172749	2411 N BROADWAY		LOS ANGELES	P	1908	HIST.SURV.	0053-4099-0000		7N	
	19-156002										
026767	19-172750	2417 N BROADWAY	AIRLINER RESTAURANT	LOS ANGELES	P	1930	HIST.SURV.	0053-4100-0000		5S2	
	19-156003										
026756	19-172740	2430 N BROADWAY	BANK OF AMERICA	LOS ANGELES	P	1928	HIST.SURV.	0053-4089-0000		5S2	
	19-155997										
026780	19-172762	2716 N BROADWAY	DI BLASI BUILDING	LOS ANGELES	P	1922	HIST.SURV.	0053-4114-0000		7N	
	19-156004										
026755	19-172739	2814 N BROADWAY	MIRABAL MORTUARY	LOS ANGELES	P	1910	HIST.SURV.	0053-4088-0000		3S	
	19-155996										
021023	19-167082	3110 N BROADWAY	HORACE B DIBBLE HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0203-0000		3S	
	19-155963										
100842	19-176280	3501 N BROADWAY	LINCOLN HIGH SCHOOL-AUDITORIUM	LOS ANGELES	D		HIST.RES.	DOE-19-94-0555-0002	01/18/94	2D2	
							PROJ.REVW.	HRG940202Z	01/18/94	2D2	
100646	19-176194	3501 N BROADWAY	LINCOLN HIGH SCHOOL	LOS ANGELES	D	1936	HIST.RES.	DOE-19-94-0555-9999	01/18/94	2S2	
							PROJ.REVW.	HRG940202Z	01/18/94	2S2	
100841	19-176279	3501 N BROADWAY	LINCOLN HIGH SCHOOL-ADMINISTRATION	LOS ANGELES	D		HIST.RES.	DOE-19-94-0555-0001	01/18/94	2D2	
							PROJ.REVW.	HRG940202Z	01/18/94	2D2	
100843	19-176281	3501 N BROADWAY	LINCOLN HIGH SCHOOL-PHYSICAL EDUCA	LOS ANGELES	D		HIST.RES.	DOE-19-94-0555-0003	01/18/94	2D2	
							PROJ.REVW.	HRG940202Z	01/18/94	2D2	
100844	19-176282	3501 N BROADWAY	LINCOLN HIGH SCHOOL-HOME ECONOMICS	LOS ANGELES	D		HIST.RES.	DOE-19-94-0555-0004	01/18/94	2D2	
							PROJ.REVW.	HRG940202Z	01/18/94	2D2	
109820		3516 N BROADWAY	FIRE STATION #70	LOS ANGELES	M	1935	HIST.RES.	DOE-19-95-0212-0000	01/15/95	2S2	C
							PROJ.REVW.	HRG940202Z	01/15/95	2S2	C
026805	19-172785	3600 N BROADWAY	GATE POSTS	LOS ANGELES	U	1910	HIST.SURV.	0053-4125-0000		7N	
	19-156022										
022119	19-168146	1133 N BRONSON AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0699-0001		5D2	
022120	19-168147	1139 N BRONSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0699-0002		5D2	
022121	19-168148	1143 N BRONSON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0699-0003		5D2	
022122	19-168149	1153 N BRONSON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0699-0004		5D2	
022123	19-168150	1157 N BRONSON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0699-0005		5D2	
022124	19-168151	1162 N BRONSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0699-0006		5D2	
022125	19-168152	1172 N BRONSON AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-0699-0007		5D2	
022126	19-168153	1201 N BRONSON AVE		LOS ANGELES	P	1916	HIST.SURV.	0053-0699-0008		5D2	
022127	19-168154	1207 N BRONSON AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0699-0009		5D2	
022128	19-168155	1208 N BRONSON AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0699-0010		5D2	
022129	19-168156	1209 N BRONSON AVE		LOS ANGELES	P	1914	HIST.SURV.	0053-0699-0011		5D2	
022130	19-168157	1223 N BRONSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0699-0012		5D2	
022131	19-168158	1227 N BRONSON AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-0699-0013		5D2	
022132	19-168159	1237 N BRONSON AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0699-0014		5D2	
022133	19-168160	1243 N BRONSON AVE		LOS ANGELES	P	1913	HIST.SURV.	0053-0699-0015		5D2	
022134	19-168161	1245 N BRONSON AVE		LOS ANGELES	P	1919	HIST.SURV.	0053-0699-0016		5D2	
022135	19-168162	1253 N BRONSON AVE		LOS ANGELES	P	1907	HIST.SURV.	0053-0699-0017		5D2	
022136	19-168163	1257 N BRONSON AVE		LOS ANGELES	P	1925	HIST.SURV.	0053-0699-0018		5D2	
022137	19-168164	1262 N BRONSON AVE		LOS ANGELES	P	1914	HIST.SURV.	0053-0699-0019		5D2	
022138	19-168165	1303 N BRONSON AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0699-0020		5D2	
022139	19-168166	1307 N BRONSON AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-0699-0021		5D2	
023266	19-169290	1316 N BRONSON AVE	LE CONTE JUNIOR HIGH SCHOOL- MAIN	LOS ANGELES	D	1922	HIST.RES.	DOE-19-94-0556-9999	08/15/94	2S2	
							PROJ.REVW.	HRG940202Z	08/15/94	2S2	
							HIST.SURV.	0053-0783-0000		3S	
101676	19-176397	1316 N BRONSON AVE	LE CONTE MIDDLE SCHOOL AUDITORIUM	LOS ANGELES	D	1923	HIST.RES.	DOE-19-94-0556-0001	08/15/94	2D2	C
							PROJ.REVW.	HRG940202Z	08/15/94	2D2	C

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022491	19-168516	1239 N GOWER ST		LOS ANGELES	P	1921	HIST.SURV.	0053-0713-0010		5D2	
022492	19-168517	1240 N GOWER ST		LOS ANGELES	P	1914	HIST.SURV.	0053-0713-0011		5D2	
022493	19-168518	1243 N GOWER ST		LOS ANGELES	P	1920	HIST.SURV.	0053-0713-0012		5D2	
022494	19-168519	1244 N GOWER ST		LOS ANGELES	P	1923	HIST.SURV.	0053-0713-0013		5D2	
022495	19-168520	1249 N GOWER ST		LOS ANGELES	P	1920	HIST.SURV.	0053-0713-0014		5D2	
022496	19-168521	1255 N GOWER ST		LOS ANGELES	P	1920	HIST.SURV.	0053-0713-0015		5D2	
022497	19-168522	1258 N GOWER ST		LOS ANGELES	P	1914	HIST.SURV.	0053-0713-0016		5D2	
023340	19-169362	1570 N GOWER ST		LOS ANGELES	P	1917	HIST.SURV.	0053-0822-0000		3S	
021922	19-167949	1621 N GOWER ST		LOS ANGELES	P	1926	HIST.SURV.	0053-0636-0000		5S2	
171669		1720 N GOWER ST		LOS ANGELES		1917	PROJ.REVW.	HUD080109F	04/17/08	6U	
171670		1726 N GOWER ST		LOS ANGELES	P	1952	PROJ.REVW.	HUD080109F	04/17/08	6U	
152983		1832 N GRACE AVE	EL CABRILLO FOUNTAIN	LOS ANGELES	P	1928	HIST.RES.	NPS-0500211-0001	03/30/05	1D	C
152988		1832 N GRACE AVE	EL CABRILLO WALL	LOS ANGELES	P	1928	HIST.RES.	NPS-05000211-0002	03/30/05	1D	C
023299	19-169323	1832 N GRACE AVE	EL CABRILLO	LOS ANGELES	P	1928	HIST.RES.	NPS-05000211-9999	03/30/05	1S	C
							NAT.REG.	19-0463	09/14/04	3S	C
							HIST.SURV.	0053-0802-0000	05/01/80	3S	
021028	19-167087	1717 N GRAMERCY PL	HOLLYWOOD CHRISTIAN CHURCH, HOLLYW	LOS ANGELES	P	1922	HIST.SURV.	0053-0208-0000		3S	
139637		1840 N GRAMERCY PL		LOS ANGELES	P	1956	HIST.RES.	DOE-19-03-0148-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
139638		1845 N GRAMERCY PL		LOS ANGELES	P	1927	HIST.RES.	DOE-19-03-0149-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
139639		1847 N GRAMERCY PL		LOS ANGELES	P	1908	HIST.RES.	DOE-19-03-0150-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
139521		1848 N GRAMERCY PL	SIR LAUNFEL APARTMENTS	LOS ANGELES	P		HIST.RES.	DOE-19-03-0145-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
139640		1853 N GRAMERCY PL		LOS ANGELES	P	1920	HIST.RES.	DOE-19-03-0151-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
139641		1857 N GRAMERCY PL		LOS ANGELES	P	1922	HIST.RES.	DOE-19-03-0152-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
139520		1885 N GRAMERCY PL		LOS ANGELES	P	1922	HIST.RES.	DOE-19-03-0144-0000	04/23/03	6Y	
							PROJ.REVW.	FCC030324C	04/23/03	6Y	
024943	19-170963	670 N GRAND AVE	IRA G WILD RESIDENCE	LOS ANGELES	P	1886	HIST.SURV.	0053-2333-0000		7N	
097776	19-175265	1711 N GRIFFIN AVE	TOWER HALL	LOS ANGELES	C		PROJ.REVW.	HRG940202Z	09/30/94	2D2	
							HIST.RES.	HRG-266	09/30/94	2D2	
097775	19-175264	1711 N GRIFFIN AVE	CENTRAL FILES UNIT / BUILDING 110	LOS ANGELES	C		PROJ.REVW.	HRG940202Z	09/30/94	2D2	
							HIST.RES.	HRG-265	09/30/94	2D2	
097777	19-175266	1733 N GRIFFIN AVE	SCIENCE HALL / BUILDING #90	LOS ANGELES	C		PROJ.REVW.	HRG940202Z	09/30/94	2D2	
							HIST.RES.	HRG-0267	09/30/94	2D2	
180066		2431 N GRIFFIN AVE		LOS ANGELES	P	1914	PROJ.REVW.	HUD100927C	10/12/10	6U	
180068		2439 N GRIFFIN AVE		LOS ANGELES	P	1927	PROJ.REVW.	HUD100927C	10/12/10	6U	
021029	19-167088	3537 N GRIFFIN AVE	CHRISTIAN ANDERSON HOUSE	LOS ANGELES	P	1887	HIST.SURV.	0053-0209-0000		3S	
175680		3929 N GUARDIA AVE		LOS ANGELES	P	1910	PROJ.REVW.	HUD090126A	01/28/09	6U	
100339	19-175985	970 N HAMMOND ST	WEST HOLLYWOOD ELEMENTARY SCHOOL	LOS ANGELES	D	1930	HIST.RES.	DOE-19-95-0102-0000	03/30/95	6Y	
							PROJ.REVW.	HRG940202Z	03/30/95	6Y	
175562		6501 N HANNA AVE		LOS ANGELES	P	1954	PROJ.REVW.	HUD080707A	07/22/08	6U	
116238		718 N HARPER AVE		LOS ANGELES	P	1924	HIST.RES.	DOE-19-96-0159-0000	02/01/96	6U	
							PROJ.REVW.	HUD960801E	02/01/96	6U	
066392	19-173605	1354 N HARPER AVE	APARTMENT REHABILITATION	LOS ANGELES	U		PROJ.REVW.	HUD871207F	01/04/88	6Y	
070504	19-173998	649 N HARVARD BLVD		LOS ANGELES	U	1931	PROJ.REVW.	HUD910520R	06/11/91	6Y	
098033	19-175430	1645 N HARVARD BLVD		LOS ANGELES	M	1924	HIST.RES.	DOE-19-94-0024-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
021696	19-167724	1710 N HARVARD BLVD		LOS ANGELES	P	1923	HIST.SURV.	0053-0552-0000		5S2	
021698	19-167726	1756 N HARVARD BLVD		LOS ANGELES	P	1923	HIST.SURV.	0053-0554-0000		3S	
021223	19-167269	1416 N HAVENHURST DR	COLONIAL HOUSE	LOS ANGELES	P		HIST.SURV.	0053-0327-0000		1S	
000005	19-166804	817 N HAYWORTH AVE	EL GRECO APARTMENTS	LOS ANGELES	P	1929	HIST.RES.	NPS-88002017-0000	03/21/88	1S	AC
							NAT.REG.	19-0001	03/21/88	3S	AC

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022534	19-168559	1125 N HUDSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0716-0004		5D2	
022535	19-168560	1130 N HUDSON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0716-0005		5D2	
022536	19-168561	1131 N HUDSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0716-0006		5D2	
022537	19-168562	1134 N HUDSON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0716-0007		5D2	
022538	19-168563	1135 N HUDSON AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0716-0008		5D2	
022539	19-168564	1138 N HUDSON AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0716-0009		5D2	
022540	19-168565	1141 N HUDSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0716-0010		5D2	
022541	19-168566	1145 N HUDSON AVE		LOS ANGELES	P	1926	HIST.SURV.	0053-0716-0011		5D2	
022542	19-168567	1146 N HUDSON AVE		LOS ANGELES	P	1929	HIST.SURV.	0053-0716-0012		5D2	
022543	19-168568	1150 N HUDSON AVE		LOS ANGELES	P	1932	HIST.SURV.	0053-0716-0013		5D2	
022544	19-168569	1151 N HUDSON AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-0716-0014		5D2	
022545	19-168570	1156 N HUDSON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0716-0015		5D2	
022546	19-168571	1157 N HUDSON AVE		LOS ANGELES	P	1922	HIST.SURV.	0053-0716-0016		5D2	
022281	19-168306	1403 N HUDSON AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-0704-0016		5D2	
022282	19-168307	1409 N HUDSON AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-0704-0017		5D2	
022283	19-168308	1418 N HUDSON AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-0704-0018		5D2	
022284	19-168309	1420 N HUDSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0704-0019		5D2	
022285	19-168310	1422 N HUDSON AVE		LOS ANGELES	P	1921	HIST.SURV.	0053-0704-0020		5D2	
022286	19-168311	1425 N HUDSON AVE		LOS ANGELES	P	1907	HIST.SURV.	0053-0704-0021		5D2	
022287	19-168312	1428 N HUDSON AVE		LOS ANGELES	P	1911	HIST.SURV.	0053-0704-0022		5D2	
022288	19-168313	1432 N HUDSON AVE		LOS ANGELES	P	1904	HIST.SURV.	0053-0704-0023		5D2	
022289	19-168314	1433 N HUDSON AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-0704-0024		5D2	
098052	19-175447	1618 N HUDSON AVE		LOS ANGELES	M	1913	PROJ.REVW.	HRG940202Z	09/30/94	6Y	
							HIST.RES.	HRG-568	09/30/94	6Y	
070481	19-173988	1740 N HUDSON AVE		LOS ANGELES	U	1911	PROJ.REVW.	HUD910522G	06/12/91	6Y	
067453	19-173701	1752 N HUDSON AVE		LOS ANGELES	P	1911	PROJ.REVW.	HUD900611G	07/13/90	6Y	
070044	19-173915	1740 N HUDSON ST	SELBY HOTEL	LOS ANGELES	P	1910	HIST.RES.	DOE-19-94-0495-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
							PROJ.REVW.	HUD910222Y	03/07/91	6Y	
070045	19-173916	1752 N HUDSON ST	SELBY HOUSE	LOS ANGELES	P	1911	HIST.RES.	DOE-19-94-0494-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
							PROJ.REVW.	HUD910222Y	03/07/91	7J	
175337		4559 N HUNTINGTON DR		LOS ANGELES	P	1920	PROJ.REVW.	HUD070529J	07/05/07	6U	
026810	19-172790	4691 N HUNTINGTON DR	SEASIDE GAS STATION, GORDONS SERVI	LOS ANGELES	P	1941	HIST.SURV.	0053-4130-0000		7R	
066768	19-173650	150 N INDIANA ST	HOUSING REHABILITATION	LOS ANGELES	U		PROJ.REVW.	HUD880701K	07/27/88	6Y	
152128		1781 N INDIANA ST		LOS ANGELES	P	1929	HIST.RES.	DOE-19-04-0411-0000	11/03/04	6Y	
							PROJ.REVW.	FCC041004H	11/03/04	6Y	
116250		584 N IRVING BLVD		LOS ANGELES	P	1923	HIST.RES.	DOE-19-96-0170-0000	02/01/96	6U	
							PROJ.REVW.	HUD960801E	02/01/96	6U	
120789		161 N ISLAND AVE	HARBOR STEAM PLANT	LOS ANGELES	M	1941	HIST.RES.	DOE-19-99-0208-0000	01/27/99	2S2	AC
							PROJ.REVW.	BUR981221A	01/27/99	2S2	AC
080053	19-174419	1605 N IVAR AVE	IVAR THEATER	LOS ANGELES	U	1933	PROJ.REVW.	HUD930114E	02/09/93	7K	
022013	19-168040	1623 N IVAR AVE	HOLLYWOOD BRANCH LIBRARY	LOS ANGELES	M	1922	HIST.SURV.	0053-0663-0000		5S2	
022019	19-168046	1641 N IVAR AVE	GAS CO, USO CLUB	LOS ANGELES	P	1936	HIST.SURV.	0053-0669-0000		7R	
023341	19-169363	1650 N IVAR AVE	I MAGNIN & COMPANY, PLATO'S RETREA	LOS ANGELES	P	1927	HIST.SURV.	0053-0823-0000		3S	
023307	19-169331	1714 N IVAR AVE	HOLLYWOOD KNICKERBOCKER HOTEL	LOS ANGELES	P	1923	HIST.SURV.	0053-4680-0005	04/04/85	1D	C
							HIST.SURV.	0053-0810-0000		3S	
065267	19-173480	4638 N IVAR AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD870702H	07/30/87	6Y	
182714		N JAMIE AVE		LOS ANGELES	P	1957	PROJ.REVW.	HUD110502H	05/12/11	6U	
022598	19-168623	N JUNE ST	N JUNE ST, 1200-1300 BLOCKS	LOS ANGELES	P	1913	HIST.SURV.	0053-0717-9999		5S2	
064998	19-173446	710 N JUNE ST		LOS ANGELES	U		PROJ.REVW.	HUD861118F	12/18/86	6Y	
022554	19-168579	1200 N JUNE ST		LOS ANGELES	P	1916	HIST.SURV.	0053-0717-0001		5D2	
022555	19-168580	1201 N JUNE ST		LOS ANGELES	P	1916	HIST.SURV.	0053-0717-0002		5D2	
022557	19-168582	1207 N JUNE ST		LOS ANGELES	P	1920	HIST.SURV.	0053-0717-0004		5D2	
022558	19-168583	1208 N JUNE ST		LOS ANGELES	P	1919	HIST.SURV.	0053-0717-0005		5D2	
022559	19-168584	1214 N JUNE ST		LOS ANGELES	P	1915	HIST.SURV.	0053-0717-0006		5D2	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							HIST.SURV.	0053-2975-0000		3B	
025586	19-171575	701 N MAIN ST	SHELL STATION	LOS ANGELES	P	1965	HIST.SURV.	0053-2990-0000		7R	
025587	19-171576	737 N MAIN ST	CARNE ASADA	LOS ANGELES	P	1908	HIST.SURV.	0053-2991-0000		7R	
025588	19-171577	739 N MAIN ST	MEXICO DE ORO	LOS ANGELES	P	1915	HIST.SURV.	0053-2992-0000		7R	
097798	19-175284	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1935	HIST.RES.	DOE-19-95-0148-0006	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
097795	19-175281	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1926	HIST.RES.	DOE-19-95-0148-0004	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
097794	19-175280	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1924	HIST.RES.	DOE-19-95-0148-0002	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
097796	19-175282	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1923	HIST.RES.	DOE-19-95-0148-0001	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
097797	19-175283	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1925	HIST.RES.	DOE-19-95-0148-0003	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
101024	19-176374	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1965	HIST.RES.	DOE-19-95-0148-0011	05/06/95	6Y	
							PROJ.REVW.	HRG940202Z	05/06/95	6Y	
101023	19-176373	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1963	HIST.RES.	DOE-19-95-0148-0010	05/06/95	6Y	
							PROJ.REVW.	HRG940202Z	05/06/95	6Y	
101021	19-176371	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1957	HIST.RES.	DOE-19-95-0148-0008	05/06/95	6Y	
							PROJ.REVW.	HRG940202Z	05/06/95	6Y	
101022	19-176372	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1961	HIST.RES.	DOE-19-95-0148-0009	05/06/95	6Y	
							PROJ.REVW.	HRG940202Z	05/06/95	6Y	
101020	19-176370	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - HO	LOS ANGELES	M		HIST.RES.	DOE-19-95-0148-0007	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
101019	19-176369	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER - BU	LOS ANGELES	M	1927	HIST.RES.	DOE-19-95-0148-0005	05/06/95	2D2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2D2	AB
100984	19-176368	1630 N MAIN ST	DEPARTMENT OF WATER AND POWER GENE	LOS ANGELES	M	1923	HIST.RES.	DOE-19-95-0148-9999	05/06/95	2S2	AB
							PROJ.REVW.	HRG940202Z	05/06/95	2S2	AB
069696	19-173824	2612 N MAIN ST		LOS ANGELES	U	1914	PROJ.REVW.	HUD901030B	11/30/90	6Y	
026808	19-172788	2713 N MAIN ST		LOS ANGELES	P	1887	HIST.SURV.	0053-4128-0000		7N	
	19-156023										
100412	19-176014	722 N MALTMAN AVE	MARATHON COOPERATIVE(JEWISH FEDERA	LOS ANGELES	P	1930	HIST.RES.	DOE-19-95-0142-0000	04/20/95	6Y	
							PROJ.REVW.	HRG940202Z	04/20/95	6Y	
086534	19-174804	1337 N MALTMAN AVE		LOS ANGELES	P	1915	HIST.SURV.	0053-4803-0000	06/01/92	6L	
175575		239 N MANHATTAN PL		LOS ANGELES		1912	PROJ.REVW.	HUD080707A	07/22/08	6U	
023259	19-169283	1127 N MANSFIELD AVE	BIRELEY'S INCORPORATED, GENERAL FO	LOS ANGELES	P	1935	HIST.SURV.	0053-0776-0000		7R	
175347		3516 N MARGUERITE ST		LOS ANGELES	P	1920	PROJ.REVW.	HUD070529J	07/05/07	6U	
064982	19-173444	315 N MARIANNA AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD861112L	11/24/86	6Y	
139485		2105 N MARIANNA AVE	A & R SPORTING GOODS	LOS ANGELES	P	1955	HIST.RES.	DOE-19-03-0138-0000	04/14/03	6Y	
							PROJ.REVW.	FHWA030124D	04/14/03	6Y	
021212	19-167260	1146 N MARINE AVE	CALVARY PRESBYTERIAN CHURCH, MEMOR	LOS ANGELES	P	1870	HIST.SURV.	0053-0316-0000		3S	
156203		318 N MARIPOSA AVE		LOS ANGELES	P	1929	PROJ.REVW.	FCC050919F	10/21/05	6Y	
095714	19-175116	1221 N MARIPOSA AVE		LOS ANGELES	P	1917	PROJ.REVW.	HUD950406V	04/27/95	6Y	
098088	19-175473	1641 N MARIPOSA AVE		LOS ANGELES	M	1928	HIST.RES.	DOE-19-94-0463-0000	08/08/94	6Y	
							PROJ.REVW.	HRG940202Z	08/08/94	6Y	
098089	19-175474	1443 N MARTEL AVE	THE CENTER / MUSEUM	LOS ANGELES	P	1920	HIST.RES.	DOE-19-94-0640-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
098090	19-175475	1447 N MARTEL AVE	LOS ANGELES GAY AND LESBIAN COMMUN	LOS ANGELES	P	1915	HIST.RES.	DOE-19-94-0641-0000	09/30/94	6L	
							PROJ.REVW.	HRG940202Z	09/30/94	6L	
182728		8119 N MARY ELLEN AVE		LOS ANGELES	P	1954	PROJ.REVW.	HUD110502H	05/12/11	6U	
180080		7515 N MASON ST		LOS ANGELES	P	1955	PROJ.REVW.	HUD100927C	10/12/10	6U	
091456	19-174971	319 N MATHEWS ST	ALFRED W GUEST COTTAGE	LOS ANGELES	P	1885	PROJ.REVW.	FTA010315A	12/05/01	2S2	C
							HIST.RES.	DOE-19-94-0674-0000	08/30/94	2S2	C
							PROJ.REVW.	FTA940429A	08/30/94	2S2	C
091413	19-174947	334 N MATHEWS ST		LOS ANGELES	P	1928	HIST.RES.	DOE-19-94-0698-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	

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091412	19-174946	338 N MATHEWS ST		LOS ANGELES	P	1903	HIST.RES.	DOE-19-94-0699-0000	08/30/94	6Y	
							PROJ.REVW.	FTA940429A	08/30/94	6Y	
100647	19-176195	1119 N MCCADDEN PL		LOS ANGELES	P	1925	HIST.RES.	DOE-19-94-0557-0000	11/22/94	6Y	
							PROJ.REVW.	HRG940202Z	11/22/94	6Y	
174795		1519 N MCCADDEN PL		LOS ANGELES	P	1926	PROJ.REVW.	FCC081030B	12/29/08	6Y	
070084	19-173918	237 N MESA AVE		LOS ANGELES	U	1916	PROJ.REVW.	HUD910207B	03/14/91	6Y	
097803	19-175287	203 N MEYLER ST	BANDINI BRANCH ADULT CENTER	LOS ANGELES	D	1925	HIST.RES.	DOE-19-94-0558-0000	08/15/94	2S2	
							PROJ.REVW.	HRG940202Z	08/15/94	2S2	
136982		N MISSION RD	SOTO STREET BRIDGE / BRIDGE #53C-0	LOS ANGELES	M	1936	HIST.RES.	DOE-19-03-0045-0000	02/13/03	6Y	
							PROJ.REVW.	FHWA030123A	02/13/03	6Y	
021031	19-167090	1104 N MISSION RD	LA COUNTY HOSPITAL ADMINISTRATION	LOS ANGELES	C	1909	HIST.SURV.	0053-0211-0000		3S	
097804	19-175288	1237 N MISSION RD	BUILDING 10/20 NEW PEDIATRIC OUTPA	LOS ANGELES	C		PROJ.REVW.	HRG940202Z	09/30/94	2D2	
							HIST.RES.	HRG-293	09/30/94	2D2	
097641	19-175242	3540 N MISSION RD	EASTLAKE PARK BOATHOUSE / LINCOLN	LOS ANGELES	M	1910	HIST.RES.	DOE-19-94-0661-0000	06/06/94	2D2	
							PROJ.REVW.	HRG940202Z	09/30/94	2S2	
							HIST.SURV.	0022-0129-0000		3S	
027101	19-173069	3540 N MISSION RD	E LOS ANGELES PARK/EASTLAKE PARK,	LOS ANGELES	P	1938	HIST.SURV.	0053-4423-0000		3S	
026809	19-172789	4067 N MISSION RD	GOLDEN BEAR DAIRY STORE	LOS ANGELES	P	1930	HIST.SURV.	0053-4129-0000		7N	
136981		4124 N MISSION RD		LOS ANGELES	P	1930	HIST.RES.	DOE-19-03-0044-0000	02/13/03	6Y	
							PROJ.REVW.	FHWA030123A	02/13/03	6Y	
024102	19-170124	1104 N MOHAWK ST		LOS ANGELES	P	1890	HIST.SURV.	0053-1563-0000		5S2	
024103	19-170125	1115 N MOHAWK ST		LOS ANGELES	P	1930	HIST.SURV.	0053-1564-0000		7R	
024104	19-170126	1118 N MOHAWK ST	RAYO APARTMENTS	LOS ANGELES	P	1926	HIST.SURV.	0053-1565-0000		5S2	
024105	19-170127	1145 N MOHAWK ST		LOS ANGELES	P	1909	HIST.SURV.	0053-1566-0000		5S2	
024106	19-170128	1300 N MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1567-0000		5S2	
024107	19-170129	1311 N MOHAWK ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1568-0000		5S2	
024108	19-170130	1401 N MOHAWK ST		LOS ANGELES	P	1916	HIST.SURV.	0053-1569-0000		5S2	
024109	19-170131	1418 N MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1570-0000		5S2	
024110	19-170132	1425 N MOHAWK ST		LOS ANGELES	P	1900	HIST.SURV.	0053-1571-0000		7N	
024111	19-170133	1438 N MOHAWK ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1572-0000		5S2	
024112	19-170134	1451 N MOHAWK ST		LOS ANGELES	P	1923	HIST.SURV.	0053-1573-0000		5S2	
175705		4450 N MOSHER AVE		LOS ANGELES	P	1908	PROJ.REVW.	HUD090126A	01/28/09	6U	
114125		318 N MOTT ST		LOS ANGELES	U	1908	HIST.RES.	DOE-19-97-0068-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
114127		322 N MOTT ST		LOS ANGELES	U	1908	HIST.RES.	DOE-19-97-0070-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
114126		334 N MOTT ST		LOS ANGELES	U	1905	HIST.RES.	DOE-19-97-0069-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
069901	19-173879	415 N MOTT ST		LOS ANGELES	U	1912	PROJ.REVW.	HUD901218O	01/15/91	6Y	
083153	19-174517	600 N MOTT ST		LOS ANGELES	P	1930	HIST.RES.	DOE-19-99-0337-0000	02/01/99	6Y	
							PROJ.REVW.	HUD990201N	02/01/99	6Y	
							PROJ.REVW.	HUD930624J	07/29/93	6Y	
177636		8715 N MURIETTA AVE	PANORAMA CITY HISTORIC DISTRICT	LOS ANGELES	P	1949	PROJ.REVW.	HUD091014B	10/27/09		
							PROJ.REVW.	HUD091014B	10/27/09	2D2	
067045	19-173654	321 N MYERS ST	PROPERTY REHABILITATION	LOS ANGELES	U		PROJ.REVW.	HUD891220A	01/16/90	6Y	
077014	19-174275	1040 N NEPTUNE AVE		LOS ANGELES	U	1924	PROJ.REVW.	HUD920505H	05/28/92	6Y	
097806	19-175290	1740 N NEW HAMPSHIRE AVE	LOS FELIZ ELEMENTARY SCHOOL	LOS ANGELES	D	1937	HIST.RES.	DOE-19-94-0559-9999	08/15/94	2S2	
							PROJ.REVW.	HRG940202Z	08/15/94	2S2	
100846	19-176284	1740 N NEW HAMPSHIRE AVE	LOS FELIZ ELEMENTARY SCHOOL-AUDITO	LOS ANGELES	D	1937	HIST.RES.	DOE-19-94-0559-0002	08/15/94	2D2	
							PROJ.REVW.	HRG940202Z	08/15/94	2D2	
100845	19-176283	1740 N NEW HAMPSHIRE AVE	LOS FELIZ ELEMENTARY SCHOOL-MAIN B	LOS ANGELES	D	1937	HIST.RES.	DOE-19-94-0559-0001	08/15/94	2D2	
							PROJ.REVW.	HRG940202Z	08/15/94	2D2	
100621	19-176172	1829 N NEW HAMPSHIRE AVE		LOS ANGELES	P	1919	HIST.RES.	DOE-19-94-0526-0000	12/20/94	6Y	
							PROJ.REVW.	HRG940202Z	12/20/94	6Y	
182732		2030 N NEW HAMPSHIRE AVE		LOS ANGELES	P	1922	PROJ.REVW.	HUD110502H	05/12/11	6U	
178037		334 N NORMANDIE AVE	BEVERLY MANOR APARTMENTS	LOS ANGELES	P	1926	PROJ.REVW.	FCC091021C	01/25/10	6Y	

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180025		1534 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180026		1535 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180027		1540 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180029		1541 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180030		1544 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180031		1547 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180032		1550 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
180033		1554 N SIERRA BONITA AVE		LOS ANGELES	P		PROJ.REVW.	HUD090826A	08/31/09	2D2	AC
171706		115 N SOTO ST		LOS ANGELES		1923	PROJ.REVW.	HUD080109F	04/17/08	6U	
026771	19-172754	138 N SOTO ST		LOS ANGELES	P	1931	HIST.RES.	DOE-19-95-0192-0000	06/26/95	2S2	C
							PROJ.REVW.	HUD950530L	06/26/95	2S2	C
							HIST.SURV.	0053-4105-0000		7N	
123862		417 N SOTO ST		LOS ANGELES	U		HIST.RES.	DOE-19-00-0098-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
123863		510 N SOTO ST		LOS ANGELES	U		HIST.RES.	DOE-19-00-0099-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
026776	19-172759	516 N SOTO ST		LOS ANGELES	P	1931	PROJ.REVW.	HUD091014F	10/27/09	2S2	
							HIST.SURV.	0053-4110-0000		7N	
026775	19-172758	900 N SOTO ST	NEIGHBORHOOD MARKET / SOTO STREET	LOS ANGELES	P	1927	HIST.SURV.	0053-4109-0000		7N	
171707		1030 N SOTO ST		LOS ANGELES		1923	PROJ.REVW.	HUD080109F	04/17/08	6U	
026769	19-172752	1470 N SOTO ST		LOS ANGELES	P	1923	HIST.SURV.	0053-4102-0000		3S	
	19-156364										
127561		2538 N SOTO ST		LOS ANGELES		1955	HIST.RES.	DOE-19-01-0110-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
027119	19-173078	200 N SPRING ST	LOS ANGELES CITY HALL	LOS ANGELES	M	1926	PROJ.REVW.	FEMA961206L	12/11/96	2S2	C
							HIST.RES.	DOE-19-94-0332-0000	08/29/94	2S2	
							PROJ.REVW.	HRG940202Z	08/29/94	2S2	
							ST.FND.PRG	619.0-HP-88-19-032	12/20/88	3	
							ST.FND.PRG	619.0-HP-SF-19-005	10/01/86	3	
							HIST.SURV.	0053-4433-0000	01/01/79	7K	
							HIST.RES.	DOE-19-79-0002-0000	03/28/79	2S2	AC
							PROJ.REVW.	UMTA781024A	10/24/78	2S2	AC
							HIST.SURV.	0053-0214-0000	09/01/76	3S	
							PROJ.REVW.	65000851	03/28/79	2S2	AC
027293	19-173225	312 N SPRING ST	UNITED STATES POST OFFICE AND COUR	LOS ANGELES	F	1937	HIST.RES.	NPS-06000001-0000	02/09/06	1S	AC
							NAT.REG.	19-0470	04/22/05	3S	AC
							HIST.SURV.	0053-4589-0000	01/01/83	3S	C
							HIST.SURV.	0053-4873-0000	07/31/80	3S	C
025616	19-171605	524 N SPRING ST	BRUNSWIG DRUG COMPANY LABORATORY,	LOS ANGELES	C		HIST.SURV.	0053-3020-0000		7R	
025601	19-171590	631 N SPRING ST	MOCTEZUMA INN	LOS ANGELES	P	1915	HIST.SURV.	0053-3005-0000		7R	
025602	19-171591	635 N SPRING ST	CHINA TOWN TEEN POST	LOS ANGELES	P	1945	HIST.SURV.	0053-3006-0000		7R	
025600	19-171589	638 N SPRING ST		LOS ANGELES	P	1922	HIST.SURV.	0053-3004-0000		7R	
025603	19-171592	639 N SPRING ST	KING SAN COMPANY	LOS ANGELES	P	1915	HIST.SURV.	0053-3007-0000		7R	
025599	19-171588	640 N SPRING ST	MACY LIQUOR/EL YA QUI RESTAURANT	LOS ANGELES	P	1915	HIST.SURV.	0053-3003-0000		7R	
025604	19-171593	643 N SPRING ST	Y SING SEAFOOD/SING LEE HOTEL	LOS ANGELES	P	1914	HIST.SURV.	0053-3008-0000		7R	
025598	19-171587	646 N SPRING ST	NEW SPRING GROCERY CO	LOS ANGELES	P	1908	HIST.SURV.	0053-3002-0000		7R	
025605	19-171594	649 N SPRING ST	SING LEE THEATRE	LOS ANGELES	P	1965	HIST.SURV.	0053-3009-0000		7R	
025597	19-171586	652 N SPRING ST	CINA COMMERCIAL COMPANY	LOS ANGELES	P	1895	HIST.SURV.	0053-3001-0000		7R	
025606	19-171595	653 N SPRING ST	MAGIC DRAGON GIFT SHHOP	LOS ANGELES	P	1890	HIST.SURV.	0053-3010-0000		7R	
025596	19-171585	658 N SPRING ST	SOLARIS RESTAURANT	LOS ANGELES	P	1938	HIST.SURV.	0053-3000-0000		7R	
025607	19-171596	665 N SPRING ST	INTERNATIONAL GROCERY CO	LOS ANGELES	P	1928	HIST.SURV.	0053-3011-0000		7R	
025595	19-171584	670 N SPRING ST	SAM SING CO	LOS ANGELES	P	1960	HIST.SURV.	0053-2999-0000		7R	
025594	19-171583	672 N SPRING ST	G W MARKET	LOS ANGELES	P	1959	HIST.SURV.	0053-2998-0000		7R	
025593	19-171582	674 N SPRING ST	LIM KEE RESTAURANT	LOS ANGELES	P	1886	HIST.SURV.	0053-2997-0000		7R	
025608	19-171597	675 N SPRING ST	L A TRADE COMPANY MARKET	LOS ANGELES	P	1966	HIST.SURV.	0053-3012-0000		7R	
025609	19-171598	677 N SPRING ST	SUNSHINE CO/MON KEE RESTAURANT	LOS ANGELES	P	1915	HIST.SURV.	0053-3013-0000		7R	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
023887	19-169909	516 PARK VIEW ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1343-0000		5S2	
023888	19-169910	522 PARK VIEW ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1344-0000		5S2	
023889	19-169911	528 PARK VIEW ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1345-0000		5S2	
023890	19-169912	531 PARK VIEW ST		LOS ANGELES	P	1903	HIST.SURV.	0053-1346-0000		5S2	
023891	19-169913	534 PARK VIEW ST		LOS ANGELES	P	1906	HIST.SURV.	0053-1347-0000		5S2	
023892	19-169914	537 PARK VIEW ST		LOS ANGELES	P	1903	HIST.SURV.	0053-1348-0000		7N	
023893	19-169915	538 PARK VIEW ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1349-0000		5S2	
023894	19-169916	541 PARK VIEW ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1350-0000		5S2	
074251	19-174147	911 PARK VIEW ST		LOS ANGELES	U	1908	HIST.RES.	DOE-19-92-0018-0000	01/09/92	6Y	
							PROJ.REVW.	HUD911213L	01/09/92	6Y	
074242	19-174138	916 PARK VIEW ST		LOS ANGELES	U	1890	HIST.RES.	DOE-19-92-0009-0000	01/09/92	6Y	
							PROJ.REVW.	HUD911213L	01/09/92	6Y	
074243	19-174139	920 PARK VIEW ST		LOS ANGELES	U	1890	HIST.RES.	DOE-19-92-0010-0000	01/09/92	6Y	
							PROJ.REVW.	HUD911213L	01/09/92	6Y	
074252	19-174148	923 PARK VIEW ST		LOS ANGELES	U	1924	HIST.RES.	DOE-19-92-0019-0000	01/09/92	6Y	
							PROJ.REVW.	HUD911213L	01/09/92	6Y	
074249	19-174145	924 PARK VIEW ST		LOS ANGELES	U	1910	HIST.RES.	DOE-19-92-0016-0000	01/09/92	6Y	
							PROJ.REVW.	HUD911213L	01/09/92	6Y	
074250	19-174146	930 PARK VIEW ST		LOS ANGELES	U	1909	HIST.RES.	DOE-19-92-0017-0000	01/09/92	6Y	
							PROJ.REVW.	HUD911213L	01/09/92	6Y	
025498	19-171488	2101 PARKSIDE AVE	NICK RAGENOVIC AUTO PARK	LOS ANGELES	P	1929	HIST.SURV.	0053-2901-0000		3S	
	19-156064										
025491	19-171481	2113 PARKSIDE AVE	L GABARD / GIOVANNI VAI RESIDENCE,	LOS ANGELES	P	1929	HIST.RES.	DOE-19-86-0093-0000	06/06/86	2S2	C
	19-156057						PROJ.REVW.	HUD860603I	06/06/86	2S2	C
							HIST.SURV.	0053-2894-0000		7N	
025492	19-171482	2139 PARKSIDE AVE	CLARK-DOODY RESIDENCE	LOS ANGELES	P	1895	HIST.RES.	DOE-19-86-0094-0000	06/06/86	2S2	C
	19-156058						PROJ.REVW.	HUD860603J	06/06/86	2S2	C
							HIST.SURV.	0053-2895-0000		7R	
137956		10408 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0145	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138052		10411 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0240	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
138053		10414 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0241	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
138054		10419 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0242	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137957		10420 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0146	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138055		10423 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0243	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137958		10426 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0147	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138056		10429 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0244	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137959		10432 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0148	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137960		10435 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0149	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138057		10438 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0245	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137961		10439 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0150	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137962		10444 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0151	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138058		10445 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0246	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
138059		10449 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0247	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137963		10450 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0152	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137964		10500 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0153	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138060		10501 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0248	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137965		10506 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0154	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138061		10507 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0249	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137966		10511 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0155	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137967		10512 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0156	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137968		10517 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0157	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137969		10518 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0158	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138062		10521 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0250	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137970		10522 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0159	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137971		10527 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0160	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137972		10528 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0161	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
137973		10533 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0162	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
138063		10534 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0251	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
138064		10537 PARMALEE AVE		LOS ANGELES			HIST.RES.	DOE-19-03-0069-0252	02/11/03	6Y	
							PROJ.REVW.	HUD030103A	02/11/03	6Y	
137974		10540 PARMALEE AVE		LOS ANGELES	P		HIST.RES.	DOE-19-03-0069-0163	02/11/03	2D2	
							PROJ.REVW.	HUD030103A	02/11/03	2D2	
064875	19-173415	6704 PARMELEE AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860814K	09/11/86	6Y	
098131	19-175511	17267 PARTHENIA ST		LOS ANGELES		1931	HIST.RES.	DOE-19-94-0579-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
026762	19-172746	2229 PASADENA AVE		LOS ANGELES	P	1894	HIST.SURV.	0053-4095-0000		7N	
	19-156000										
020772	19-156358	2230 PASADENA AVE	DISTRICT FIRE STATION 1	LOS ANGELES	M	1932	HIST.RES.	DOE-19-94-0479-0000	08/08/94	2D2	
	19-166851						PROJ.REVW.	HRG940202Z	08/08/94	2D2	
							HIST.SURV.	0053-0044-0000		7N	
							HIST.SURV.	0053-4096-0000		7N	
024698	19-170719	3730 PASADENA AVE		LOS ANGELES	P	1906	HIST.SURV.	0053-2166-0000		7N	
	19-158552										
	19-158551										
024699	19-170720	4911 PASADENA AVE TERRACE		LOS ANGELES	P	1895	HIST.SURV.	0053-2167-0000		5S2	
077024	19-174277	115 PASEO DE LA PLAZA	PLAZA METHODIST CHURCH	LOS ANGELES	P	1926	HIST.SURV.	0053-2968-0000		7R	
							HIST.SURV.	0053-0138-0012			
077026	19-174278	125 PASEO DE LA PLAZA	PLAZA COMMUINITY CENTER / BISCAILU	LOS ANGELES	U	1926	HIST.SURV.	0053-2970-0000		7R	
							HIST.RES.	NPS-72000231-0015	11/03/72	1D	AC
021276	19-167313	PASEO DEL MAR	JAPANESE ABALONE FISHERY, WHITE PO	LOS ANGELES	C	1890	HIST.SURV.	0053-0350-0000		7R	
021191	19-167241	520 PASEO MIRAMAR	VILLA AURORA, FEUCHTWANGER HOUSE L	LOS ANGELES	P	1927	HIST.SURV.	0053-0295-0000		7N	
087646	19-174869	4653 PAULA ST		LOS ANGELES	P	1937	PROJ.REVW.	HUD940111N	02/22/94	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
025838	19-171827	1340 PENNSYLVANIA AVE	CATHERINA CHRISTIANS RESIDENCE	LOS ANGELES	P	1907	HIST.RES.	DOE-19-86-0123-0006	08/05/86	2D2	C
							PROJ.REVW.	HUD860729I	08/05/86	2D2	C
							HIST.SURV.	0053-3243-0000		3S	
025839	19-171828	1344 PENNSYLVANIA AVE	ALPHONSE VANDENDAELE RESIDENCE	LOS ANGELES	P	1906	HIST.RES.	DOE-19-86-0123-0007	08/05/86	2D2	C
							PROJ.REVW.	HUD860729I	08/05/86	2D2	C
							HIST.SURV.	0053-3244-0000		3S	
025840	19-171829	1350 PENNSYLVANIA AVE	VANDENDAELE PENNSYLVANIA AVENUE DU	LOS ANGELES	P	1924	HIST.RES.	DOE-19-86-0123-0008	08/05/86	2D2	C
							PROJ.REVW.	HUD860729I	08/05/86	2D2	C
							HIST.SURV.	0053-3245-0000		3S	
025854	19-171843	1512 PENNSYLVANIA AVE	LEWIS A. MARTIN RESIDENCE	LOS ANGELES	P	1905	HIST.RES.	DOE-19-86-0123-0009	08/05/86	2D2	C
							PROJ.REVW.	HUD860729I	08/05/86	2D2	C
							HIST.SURV.	0053-3259-0000		5S2	
091459	19-174973	1814 PENNSYLVANIA AVE		LOS ANGELES	P	1900	HIST.RES.	DOE-19-94-0672-0000	08/30/94	2S2	C
							PROJ.REVW.	FTA940429A	08/30/94	2S2	C
114086		1830 PENNSYLVANIA AVE	McLANE RESIDENCE	LOS ANGELES	U	1911	HIST.RES.	DOE-19-97-0065-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
026773	19-172756	2027 PENNSYLVANIA AVE		LOS ANGELES	P	1880	HIST.SURV.	0053-4107-0000		7N	
114087		2906 PENNSYLVANIA AVE	LEFFMAN RESIDENCE	LOS ANGELES	U	1902	HIST.RES.	DOE-19-97-0066-0000	04/23/97	6Y	
							PROJ.REVW.	FTA940429A	04/23/97	6Y	
021253	19-167293	3320 PEPPER ST	RICHARD HENRY DANA BRANCH LIBRARY	LOS ANGELES	M	1926	PROJ.REVW.	HRG940202Z	09/30/94	7K	
							HIST.RES.	NPS-87001007-0000	05/19/87	1S	AC
							HIST.SURV.	0053-0095-0000	01/01/77	3S	
021132	19-167187	PERSHING AVE	STREETCAR DEPOT #66 / NEWS STAND	LOS ANGELES	F	1900	HIST.RES.	DOE-19-81-0001-0010	11/30/81	7K	
							PROJ.REVW.	VET810807A	11/04/81	7K	
							HIST.RES.	NPS-72000232-0000	02/23/72	1S	AC
097004	19-175184	2917 PHELPS AVE		LOS ANGELES	P	1924	PROJ.REVW.	HUD950630T	07/20/95	6Y	
116269		6081 PICKFORD PL		LOS ANGELES	P	1936	HIST.RES.	DOE-19-96-0182-0000	02/29/96	6U	
							PROJ.REVW.	HUD960801E	02/29/96	6U	
175583		4612 PICKFORD ST		LOS ANGELES	P	1913	PROJ.REVW.	HUD080707A	07/22/08	6U	
175584		4616 PICKFORD ST		LOS ANGELES	P	1913	PROJ.REVW.	HUD080707A	07/22/08	6U	
116365		5065 PICKFORD ST		LOS ANGELES	P	1937	HIST.RES.	DOE-19-96-0277-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
026055	19-172043	PICO BLVD	POWERS PLACE, TERRACE PARK	LOS ANGELES	M	1904	HIST.SURV.	NPS-84000783-0013	05/17/84	1D	AC
026015	19-172003	1600 PICO BLVD	DORIA APARTMENTS	LOS ANGELES	P	1905	HIST.SURV.	0053-3418-0000		3S	
064830	19-173388	1600 PICO BLVD	THE DORIA	LOS ANGELES	U		PROJ.REVW.	HUD860730T	08/12/86	2	C
024700	19-170721	5815 PIEDMONT AVE		LOS ANGELES	P	1900	HIST.SURV.	0053-2168-0000		5S2	
024701	19-170722	6150 PIEDMONT AVE	COMMUNITY CLUBHOUSE, HIGHLAND PARK	LOS ANGELES	M	1903	HIST.SURV.	0053-2169-0000		5S2	
	19-156711										
089907	19-174907	PIER 73	TIMM'S POINT AND LANDING	LOS ANGELES	M		HIST.RES.	SHL-0384-0000	01/03/44	7L	
151347		PIERCE COLLEGE	BLDG #19, LIBRARY AND CAFETERIA, B	LOS ANGELES	P	1948	HIST.RES.	DOE-19-00-0428-0000	12/04/00	6Y	
							PROJ.REVW.	FEMA001120A	12/04/00	6Y	
151343		PIERCE COLLEGE	BUSINESS EDUCATION, BLDG #32	LOS ANGELES	P	1949	HIST.RES.	DOE-19-00-0426-0000	12/04/00	6Y	
							PROJ.REVW.	FEMA001120A	12/04/00	6Y	
151345		PIERCE COLLEGE	BLDG #21, LANGUAGE ARTS/FOREIGN LA	LOS ANGELES	P	1948	HIST.RES.	DOE-19-00-0427-0000	12/04/00	6Y	
							PROJ.REVW.	FEMA001120A	12/04/00	6Y	
182741		13717 PIERCE ST		LOS ANGELES	P	1953	PROJ.REVW.	HUD110502H	05/12/11	6U	
115516		PINE RD	THREE-CAR GARAGE / BUILDING #105	LOS ANGELES	F	1928	HIST.RES.	DOE-19-81-0001-0014	11/30/81	2D2	AC
							PROJ.REVW.	VET810807A	11/04/81	2D2	AC
154062		13065 PINNEY ST		LOS ANGELES		1941	PROJ.REVW.	HUD040202L	02/02/04	6U	
098135	19-175514	11092 PLAINVIEW AVE		LOS ANGELES	M	1928	HIST.RES.	DOE-19-94-0581-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
072882	19-174036	1417 PLAYGROUND ST		LOS ANGELES	U	1915	PROJ.REVW.	HUD910805J	08/21/91	6Y	
025573	19-171562	130 PLAZA ST	HELLMAN BUILDING, VISITORS CENTER	LOS ANGELES	M	1901	TAX.CERT.	537.9-19-0116	09/20/84	2D3	
							HIST.SURV.	0053-2982-0000		3S	AC
020951	19-167016	134 PLAZA ST	OLD PLAZA FIREHOUSE	LOS ANGELES	S	1884	HIST.RES.	SHL-0730-0000	04/08/60	7L	
							HIST.SURV.	0053-0138-0006	06/01/74	1D	BC

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065450	19-173497	4130 PURCELL DR		LOS ANGELES	U		PROJ.REVW.	HUD8808291	10/21/88	6Y	
180089		2025 PURDUE AVE		LOS ANGELES	P	1912	PROJ.REVW.	HUD100927C	10/12/10	6U	
098140	19-175519	2030 PURDUE AVE		LOS ANGELES	M	1905	HIST.RES.	DOE-19-94-0583-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
155869		4647 PURDUE AVE		LOS ANGELES	P	1925	PROJ.REVW.	FHWA010423D	06/20/01	6Y	
155864		5035 PURDUE AVE		LOS ANGELES	P	1951	PROJ.REVW.	FHWA010423D	06/20/01	6Y	
155863		5045 PURDUE AVE		LOS ANGELES	P	1951	PROJ.REVW.	FHWA010423D	06/20/01	6Y	
155862		5051 PURDUE AVE		LOS ANGELES	P	1951	PROJ.REVW.	FHWA010423D	06/20/01	6Y	
182743		6646 QUAKERTOWN AVE		LOS ANGELES	P	1952	PROJ.REVW.	HUD110502H	05/12/11	6U	
026195	19-172182	1051 QUEEN ANNE PL		LOS ANGELES	P	1920	HIST.SURV.	0053-3523-0000		3S	
026196	19-172183	1097 QUEEN ANNE PL		LOS ANGELES	P	1923	HIST.SURV.	0053-3524-0000		7N	
026197	19-172184	1259 QUEEN ANNE PL		LOS ANGELES	P	1923	HIST.SURV.	0053-3525-0000		7N	
026193	19-172180	1282 QUEEN ANNE PL		LOS ANGELES	P	1925	HIST.SURV.	0053-3521-0000		3S	
026194	19-172181	1286 QUEEN ANNE PL		LOS ANGELES	P	1925	HIST.SURV.	0053-3522-0000		7N	
100667	19-176209	1407 QUINTERO ST		LOS ANGELES	P	1920	HIST.RES.	DOE-19-94-0420-0000	12/20/94	6Y	
							PROJ.REVW.	HRG940202Z	12/20/94	6Y	
154063		7456 RADFORD AVE		LOS ANGELES		1949	PROJ.REVW.	HUD040202L	02/02/04	6U	
125990		7709 RADFORD AVE		LOS ANGELES	Y	1948	HIST.RES.	DOE-19-00-0195-0000	06/06/00	6U	
							PROJ.REVW.	HUD001017Z	06/06/00	6U	
072888	19-174041	4428 RADIUM DR		LOS ANGELES	U	1924	PROJ.REVW.	HUD910812E	08/22/91	6Y	
083818	19-174593	3749 RAMBOZ DR		LOS ANGELES	U	1939	PROJ.REVW.	HUD910909U	08/24/93	6Y	
083694	19-174560	4118 RAMBOZ DR		LOS ANGELES	U	1927	PROJ.REVW.	HUD900630N	08/18/93	6Y	
067269	19-173681	11825 RAMONA BLVD	LENNOX RESIDENTIAL UNITS	LOS ANGELES	U		PROJ.REVW.	HUD890612D	07/12/90	6Y	
067279	19-173691	11854 RAMONA BLVD	LENNOX RESIDENTIAL UNITS	LOS ANGELES	U		PROJ.REVW.	HUD890612D	07/12/90	6Y	
067270	19-173682	11855 RAMONA BLVD	LENNOX RESIDENTIAL UNITS	LOS ANGELES	U		PROJ.REVW.	HUD890612D	07/12/90	6Y	
067271	19-173683	11936 RAMONA BLVD	LENNOX RESIDENTIAL UNITS	LOS ANGELES	U		PROJ.REVW.	HUD890612D	07/12/90	6Y	
067272	19-173684	11956 RAMONA BLVD	LENNOX RESIDENTIAL UNITS	LOS ANGELES	U		PROJ.REVW.	HUD890612D	07/12/90	6Y	
080689	19-174430	3700 RANDOLPH AVE		LOS ANGELES	U	1924	PROJ.REVW.	HUD930219J	03/17/93	6Y	
069898	19-173876	3756 RANDOLPH AVE		LOS ANGELES	U	1923	PROJ.REVW.	HUD901218L	01/15/91	6Y	
125103		3720 RANDOLPH ST		LOS ANGELES	Y	1926	HIST.RES.	DOE-19-98-0295-0000	02/02/98	6Y	
							PROJ.REVW.	HUD980202K	02/02/98	6Y	
096335	19-175139	5104 RANGEVIEW AVE		LOS ANGELES	P	1919	PROJ.REVW.	HUD950515M	06/21/95	6Y	
171701		9004 RATHBURN AVE		LOS ANGELES		1954	PROJ.REVW.	HUD080109F	04/17/08	6U	
175710		14531 RAVEN ST		LOS ANGELES	P	1950	PROJ.REVW.	HUD090126A	01/28/09	6U	
176344		1419 RAYMOND AVE		LOS ANGELES	P	1910	PROJ.REVW.	FCC090618A	07/27/09	6Y	
150083		2924 RAYMOND AVE		LOS ANGELES		1916	HIST.RES.	DOE-19-04-0198-0000	09/30/04	6U	
							PROJ.REVW.	HUD041006D	09/30/04	6U	
100290	19-175952	7511 RAYMOND AVE	RAYMOND ELEMENTARY SCHOOL	LOS ANGELES	D	1922	HIST.RES.	DOE-19-95-0068-0000	01/15/95	6Y	
							PROJ.REVW.	HRG940202Z	01/15/95	6Y	
100292	19-175953	4205 RAYNOL ST		LOS ANGELES	P	1924	HIST.RES.	DOE-19-95-0069-0000	04/05/95	6Y	
							PROJ.REVW.	HRG940202Z	04/05/95	6Y	
083770	19-174577	RECORD AVE		LOS ANGELES	U		PROJ.REVW.	HUD910331U	08/20/93	6Y	
021452	19-167486	RECORD AVE	SEI FUJII PROPERTY	LOS ANGELES	P		HIST.SURV.	0053-0375-0000		7R	
021451	19-167485	1841 REDCLIFF ST	LOS ANGELES JAPANESE CHILDREN'S HO	LOS ANGELES	P	1914	HIST.SURV.	0053-0374-0000		7R	
123854		548 REDFIELD AVE		LOS ANGELES	U	1925	HIST.RES.	DOE-19-00-0091-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
024346	19-170368	1916 REDONDO BLVD		LOS ANGELES	P	1935	HIST.SURV.	0053-1814-0000		5S2	
	19-157585										
024347	19-170369	2110 REDONDO BLVD		LOS ANGELES	P	1929	HIST.SURV.	0053-1815-0000		7R	
	19-157586										
024348	19-170370	2232 REDONDO BLVD		LOS ANGELES	P	1921	HIST.SURV.	0053-1816-0000		7R	
	19-157587										
024349	19-170371	2300 REDONDO BLVD		LOS ANGELES	P	1920	HIST.SURV.	0053-1817-0000		7R	
	19-157588										
024350	19-170372	2306 REDONDO BLVD		LOS ANGELES	P	1927	HIST.SURV.	0053-1818-0000		7R	

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	19-157589										
024344	19-170366	2684 REDONDO BLVD		LOS ANGELES	P	1923	HIST.SURV.	0053-1812-0000		5S2	
	19-157447										
024345	19-170367	2718 REDONDO BLVD		LOS ANGELES	P	1905	HIST.SURV.	0053-1813-0000		7R	
	19-157446										
024351	19-170373	2738 REDONDO BLVD		LOS ANGELES	P	1928	HIST.SURV.	0053-1819-0000		7R	
	19-157445										
171702		13691 REMINGTON ST		LOS ANGELES		1950	PROJ.REVW.	HUD080109F	04/17/08	6U	
023624	19-169646	225 RENNIE AVE		LOS ANGELES	P	1926	HIST.SURV.	0053-1079-0000		5S2	
023625	19-169647	330 RENNIE AVE		LOS ANGELES	P	1912	HIST.SURV.	0053-1080-0000		7R	
023626	19-169648	335 RENNIE AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1081-0000		5S2	
023627	19-169649	337 RENNIE AVE		LOS ANGELES	P	1923	HIST.SURV.	0053-1082-0000		5S2	
023628	19-169650	345 RENNIE AVE		LOS ANGELES	P	1906	HIST.SURV.	0053-1083-0000		5S2	
100295	19-175954	7126 RESEDA BLVD		LOS ANGELES	P	1929	HIST.RES.	DOE-19-95-0070-0000	02/08/95	6Y	
							PROJ.REVW.	HRG940202Z	02/08/95	6Y	
100665	19-176207	7711 RESEDA BLVD		LOS ANGELES	P	1945	HIST.RES.	DOE-19-94-0418-0000	12/20/94	6Y	
							PROJ.REVW.	HRG940202Z	12/20/94	6Y	
098143	19-175522	9861 RESEDA BLVD		LOS ANGELES	P		HIST.RES.	DOE-19-94-0617-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
027394	19-173322	1927 RESERVOIR ST	ALVARADO CHURCH OF CHRIST, GOLDEN	LOS ANGELES	P	1928	PROJ.REVW.	FCC091116M	12/14/09	2D2	A
							HIST.SURV.	0053-4662-0000		7N	
024031	19-170053	2124 RESERVOIR ST		LOS ANGELES	P	1890	HIST.SURV.	0053-1492-0000		5S2	
024190	19-170212	2128 RESERVOIR ST		LOS ANGELES	P	1905	HIST.SURV.	0053-1651-0000		5S2	
100666	19-176208	2134 RESERVOIR ST		LOS ANGELES	P	1909	HIST.RES.	DOE-19-94-0419-0000	11/22/94	6Y	
							PROJ.REVW.	HRG940202Z	11/22/94	6Y	
024188	19-170210	2152 RESERVOIR ST		LOS ANGELES	P	1912	HIST.SURV.	0053-1649-0000		5S2	
024189	19-170211	2155 RESERVOIR ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1650-0000		5S2	
024187	19-170209	2202 RESERVOIR ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1648-0000		5S2	
024186	19-170208	2206 RESERVOIR ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1647-0000		5S2	
024183	19-170205	2215 RESERVOIR ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1644-0000		5S2	
024185	19-170207	2220 RESERVOIR ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1646-0000		5S2	
024184	19-170206	2230 RESERVOIR ST		LOS ANGELES	P	1910	HIST.SURV.	0053-1645-0000		5S2	
098144	19-175523	3306 REYNOLDS AVE		LOS ANGELES	P		HIST.RES.	DOE-19-94-0618-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
069755	19-173840	1542 RICARDO ST		LOS ANGELES	U	1910	PROJ.REVW.	HUD901115C	12/12/90	6Y	
175360		1661 RICARDO ST		LOS ANGELES		1921	PROJ.REVW.	HUD070529J	07/05/07	6U	
025367	19-171358	1400 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2762-0000		7R	
025354	19-171345	1409 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2749-0000		7R	
025366	19-171357	1414 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2761-0000		7R	
025355	19-171346	1417 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2750-0000		7R	
065399	19-173487	1417 RIDGE WY		LOS ANGELES	U		PROJ.REVW.	HUD880831B	10/05/88	6Y	
025365	19-171356	1422 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2760-0000		7R	
025364	19-171355	1440 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2759-0000		7R	
025363	19-171354	1452 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2758-0000		7R	
025356	19-171347	1455 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2751-0000		7R	
025362	19-171353	1464 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2757-0000		7R	
025361	19-171352	1466 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2756-0000		7R	
025357	19-171348	1467 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2752-0000		7R	
025358	19-171349	1477 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2753-0000		7R	
025360	19-171351	1478 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2755-0000		7R	
025359	19-171350	1481 RIDGE WY		LOS ANGELES	P		HIST.SURV.	0053-2754-0000		7R	
127553		2007 RIDGEVIEW AVE		LOS ANGELES		1922	HIST.RES.	DOE-19-01-0102-0000	01/31/01	6Y	
							PROJ.REVW.	HUD010201B	01/31/01	6Y	
022377	19-168402	1302 RIDGEWOOD PL		LOS ANGELES	P	1922	HIST.SURV.	0053-0708-0022		5D2	
022378	19-168403	1306 RIDGEWOOD PL		LOS ANGELES	P	1922	HIST.SURV.	0053-0708-0023		5D2	

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171822		245 S ATLANTIC BLVD	MONTEREY SENIORS APARTMENTS PROJEC	LOS ANGELES		1965	PROJ.REVW.	HUD071205A	03/17/08	6U	
171823		249 S ATLANTIC BLVD	MONTEREY SENIORS APARTMENTS PROJEC	LOS ANGELES	P	1965	PROJ.REVW.	HUD071205A		6U	
171824		251 S ATLANTIC BLVD	MONTEREY SENIORS APARTMENTS PROJEC	LOS ANGELES		1965	PROJ.REVW.	HUD071205A		6U	
171825		255 S ATLANTIC BLVD	MONTEREY SENIORS APARTMENTS PROJEC	LOS ANGELES	P	1965	PROJ.REVW.	HUD071205A		6U	
125726		1251 S AUGUSTA AVE		LOS ANGELES	U	1922	HIST.RES.	DOE-19-99-0367-0000	07/29/99	6Y	
							PROJ.REVW.	HUD990729D	07/29/99	6Y	
097930	19-175364	4107 S AVALON BLVD		LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0077-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
097931	19-175365	4109 S AVALON BLVD		LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0078-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/20/94	6Y	
077531	19-174393	4601 S AVALON BLVD		LOS ANGELES	U	1937	PROJ.REVW.	HUD920723E	08/26/92	6Y	
077524	19-174392	4607 S AVALON BLVD		LOS ANGELES	U	1922	PROJ.REVW.	HUD920723D	08/26/92	6Y	
086446	19-174772	5412 S AVALON BLVD		LOS ANGELES	U	1927	HIST.SURV.	0053-4751-0000	06/01/92	6Z	
162357		7301 S AVALON BLVD		LOS ANGELES	P	1947	PROJ.REVW.	FCC070925E	10/31/07	6Y	
							PROJ.REVW.	FCC060515G	06/06/06	6Y	
175277		9907 S AVALON BLVD		LOS ANGELES	P	1938	PROJ.REVW.	HUD070529J	07/05/07	6U	
131052		10318 S AVALON BLVD		LOS ANGELES		1944	HIST.RES.	DOE-19-02-0163-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
148168		650 S AVE 21	EDISON ELECTRIC COMPANY, LOS ANGEL	LOS ANGELES	P	1903	HIST.RES.	DOE-19-03-0455-0000	12/17/03	2S2	AC
							PROJ.REVW.	FCC021212A	12/17/03	2S2	AC
024563	19-170584	137 S AVE 49	EL DESCANSO RESTHOME	LOS ANGELES	P	1910	HIST.SURV.	0053-2031-0000		7N	
024564	19-170585	121 S AVE 50	SAVOY APARTMENTS	LOS ANGELES	P	1912	HIST.SURV.	0053-2032-0000		7R	
024567	19-170588	215 S AVE 52		LOS ANGELES	P	1907	HIST.SURV.	0053-2035-0000		7N	
152616		336 S AVE 52		LOS ANGELES		1907	HIST.RES.	DOE-19-03-0464-0000	07/31/03	6Y	
							PROJ.REVW.	HUD030801A	07/31/03	6Y	
123801		159 S AVE 53		LOS ANGELES	U	1923	HIST.RES.	DOE-19-00-0027-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
024581	19-170602	211 S AVE 55		LOS ANGELES	P	1911	HIST.RES.	DOE-19-00-0038-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
							HIST.SURV.	0053-2049-0000		5S2	
123803		200 S AVE 56		LOS ANGELES	U	1909	HIST.RES.	DOE-19-00-0040-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
024591	19-170612	131 S AVE 57	HIGHLAND PARK EBELL CLUB	LOS ANGELES	P	1913	HIST.SURV.	0053-2059-0000		3S	
024592	19-170613	199 S AVE 57		LOS ANGELES	P	1907	HIST.SURV.	0053-2060-0000		7R	
024601	19-170622	124 S AVE 58		LOS ANGELES	P	1930	HIST.SURV.	0053-2069-0000		7R	
024602	19-170623	136 S AVE 58		LOS ANGELES	P	1903	HIST.SURV.	0053-2070-0000		5S2	
024603	19-170624	139 S AVE 58		LOS ANGELES	P	1905	HIST.SURV.	0053-2071-0000		5S2	
024604	19-170625	149 S AVE 58		LOS ANGELES	P	1913	HIST.SURV.	0053-2072-0000		5S2	
024607	19-170628	140 S AVE 59		LOS ANGELES	P	1895	HIST.SURV.	0053-2075-0000		5S2	
024609	19-170630	116 S AVE 60		LOS ANGELES	P	1904	HIST.SURV.	0053-2077-0000		5S2	
024610	19-170631	220 S AVE 60		LOS ANGELES	P	1894	HIST.SURV.	0053-2078-0000		7N	
024611	19-170632	236 S AVE 60		LOS ANGELES	P	1938	HIST.SURV.	0053-2079-0000		7R	
127663		111 S AVE 63		LOS ANGELES		1925	HIST.RES.	DOE-19-00-0364-0000	02/19/01	6Y	
							PROJ.REVW.	HUD010227G	02/19/01	6Y	
024615	19-170636	200 S AVE 66	USC SCHOOL OF ART/JUDSON SCHOOL OF	LOS ANGELES	P	1911	HIST.RES.	NPS-99000370-0000	03/25/99	1S	ABC
							NAT.REG.	19-0266	11/13/98	3S	ABC
							NAT.REG.	19-0045	02/02/90	7J	
							HIST.SURV.	0053-2083-0000	04/30/81	3S	
							HIST.SURV.	0053-0281-0000	10/01/76	3S	
024616	19-170637	233 S AVE 66		LOS ANGELES	P	1904	HIST.SURV.	0053-2084-0000		7N	
123864		560 S AVEANFORD ST		LOS ANGELES	U	1913	HIST.RES.	DOE-19-00-0100-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
167454		300 S AVERY ST		LOS ANGELES	P		PROJ.REVW.	FCC061024D	12/13/06	6Y	
064814	19-173374	9410 S BAIRD AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860702J	08/04/86	6Y	
066131	19-173563	110 S BARRINGTON AVE	CHEVRON GAS STATION	LOS ANGELES	U		HIST.RES.	DOE-19-89-0059-0000	09/22/89	2S2	C

OPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							HIST.RES.	SHL-0157-0000	01/11/35	7L	
097817	19-175300	15174 SAN FERNANDO MISSION	BRAND PARK COMFORT STATION	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0003	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101526	19-176396	15174 SAN FERNANDO MISSION	BRAND PARK-SUN DIAL	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0008	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101524	19-176394	15174 SAN FERNANDO MISSION	BRAND PARK-MISSION FOUNTAIN	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0006	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101520	19-176390	15174 SAN FERNANDO MISSION	BRAND PARK-PERGOLAS	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0001	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101521	19-176391	15174 SAN FERNANDO MISSION	BRAND PARK-CHEST HIGH WALLS	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0002	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101522	19-176392	15174 SAN FERNANDO MISSION	BRAND PARK-ENTRANCE GATE	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0004	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101525	19-176395	15174 SAN FERNANDO MISSION	BRAND PARK-STATUE	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0007	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
101523	19-176393	15174 SAN FERNANDO MISSION	BRAND PARK-FOUNTAIN	LOS ANGELES	M	1921	HIST.RES.	DOE-19-94-0446-0005	06/01/94	2D2	AC
							PROJ.REVW.	HRG940202Z	06/01/94	2D2	AC
158939		530 SAN FERNANDO RD	CITY OF LOS ANGELES MAINTENANCE BU	LOS ANGELES	M	1947	PROJ.REVW.	FHWA050627C	01/30/06	6Y	
024846	19-170866	1518 SAN FERNANDO RD		LOS ANGELES	P	1929	HIST.SURV.	0053-2315-0000		5S2	
024847	19-170867	2121 SAN FERNANDO RD		LOS ANGELES	P	1935	HIST.SURV.	0053-2316-0000		7N	
	19-155216										
098170	19-175544	2911 SAN FERNANDO RD	RIBET ACADEMY	LOS ANGELES	P		HIST.RES.	DOE-19-94-0632-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
025631	19-171620	8359 SAN FERNANDO RD		LOS ANGELES	P	1919	HIST.SURV.	0053-3035-0000		7R	
098171	19-175545	9321 SAN FERNANDO RD		LOS ANGELES	P	1933	HIST.RES.	DOE-19-94-0628-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
098172	19-175546	9971 SAN FERNANDO RD		LOS ANGELES	M		HIST.RES.	DOE-19-94-0574-0000	09/30/94	6Y	
							PROJ.REVW.	HRG940202Z	09/30/94	6Y	
098173	19-175547	9979 SAN FERNANDO RD		LOS ANGELES	M	1930	HIST.RES.	DOE-19-94-0149-0000	04/27/94	6Y	
							PROJ.REVW.	HRG940202Z	04/24/94	6Y	
098176	19-175548	10837 SAN FERNANDO RD		LOS ANGELES	M	1932	HIST.RES.	DOE-19-94-0150-0000	07/01/94	6Y	
							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
098177	19-175549	10963 SAN FERNANDO RD		LOS ANGELES	M	1928	HIST.RES.	DOE-19-94-0151-0000	04/27/94	6Y	
							PROJ.REVW.	HRG940202Z	04/27/94	6Y	
023863	19-169885	12358 SAN FERNANDO RD		LOS ANGELES	P	1910	HIST.SURV.	0053-1319-0000		7R	
	19-158877										
023865	19-169887	12550 SAN FERNANDO RD		LOS ANGELES	P	1910	HIST.SURV.	0053-1321-0000		7R	
	19-157116										
023864	19-169886	12568 SAN FERNANDO RD		LOS ANGELES	P	1919	HIST.SURV.	0053-1320-0000		7R	
	19-157117										
094393	19-175044	13355 SAN FERNANDO RD	OLIVE SWITCHING STATION	LOS ANGELES	M	1916	PROJ.REVW.	HRG940202Z	09/30/94	2S2	
							HIST.RES.	HRG-306	09/30/94	2S2	
							PROJ.REVW.	FEMA950203B	02/21/95	2S2	A
023640	19-169662	524 SAN JUAN AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-1095-0000		7R	
102319	19-176422	628 SAN JULIAN ST		LOS ANGELES	P	1911	PROJ.REVW.	HUD960509E	05/16/96	6Y	
							HIST.RES.	DOE-19-96-0186-0000	03/13/96	6U	
							PROJ.REVW.	HUD960801E	03/13/96	6U	
095710	19-175112	2749 SAN MARINO AVE		LOS ANGELES	P	1929	PROJ.REVW.	HUD950406Z	04/27/95	6Y	
097005	19-175185	21303 SAN MIGUEL ST		LOS ANGELES	P	1923	PROJ.REVW.	HUD950630U	07/20/95	6Y	
170104		1350 SAN PABLO ST	HAZARD PARK USAR CENTER / TRAINING	LOS ANGELES	F	1953	PROJ.REVW.	USA070613A	07/16/07	6Y	
170105		1350 SAN PABLO ST	HAZARD PARK USAR CENTER / ORGANIZA	LOS ANGELES	F	1953	PROJ.REVW.	USA070613A	07/16/07	6Y	
021222	19-167268	SAN PEDRO BREAKWATER	LOS ANGELES HARBOR LIGHT STATION /	LOS ANGELES	F	1913	PROJ.REVW.	USCG010404B	05/21/01	7K	
							HIST.RES.	DOE-19-01-0249-0000	05/21/01	7K	
							HIST.RES.	NPS-80000810-0000	10/14/80	1S	AC
							HIST.SURV.	0053-4411-0000	01/01/79	2S	
							HIST.RES.	DOE-19-78-0001-0000	07/28/78	2S2	AC

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							PROJ.REVW.	HRG940202Z	07/01/94	6Y	
021170	19-167224	23130 SHERMAN WY	CANOGA MISSION GALLERY	LOS ANGELES	P	1934	HIST.SURV.	0053-0274-0000		7N	
162440		5018 SHIPLEY GLEN DR		LOS ANGELES		1906	PROJ.REVW.	HUD060501M	06/01/06	6U	
123860		2049 SICHEL ST		LOS ANGELES	U	1907	HIST.RES.	DOE-19-00-0096-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
025493	19-171483	2200 SICHEL ST	CHURCH OF THE SACRED HEART	LOS ANGELES	P	1889	HIST.RES.	DOE-19-86-0095-0000	06/06/86	2S2	C
	19-156059						PROJ.REVW.	HUD860603K	06/06/86	2S2	C
							HIST.SURV.	0053-2896-0000		3S	
025494	19-171484	2210 SICHEL ST	SACRED HEART RECTORY	LOS ANGELES	P	1928	HIST.RES.	DOE-19-86-0096-0000	06/06/86	2S2	C
	19-156060						PROJ.REVW.	HUD860603L	06/06/86	2S2	C
							HIST.SURV.	0053-2897-0000		5S2	
026806	19-172786	2210 SICHEL ST	LOS ANGELES CHURCH OF THE SACRED H	LOS ANGELES	P	1893	HIST.SURV.	0053-4126-0000		7N	
166247		SIERRA BONITA AVE	SIERRA BONITA AVENUE HISTORIC DIST	LOS ANGELES	P	1922	HIST.RES.	HUD040701C	07/08/04	2S2	AC
116275		503 SIERRA BONITA AVE		LOS ANGELES	P	1930	HIST.RES.	DOE-19-96-0189-0000	02/01/96	6U	
							PROJ.REVW.	HUD960801E	02/01/96	6U	
166249		1168 SIERRA BONITA AVE	CONTRIBUTOR- SIERRA BONITA AVENUE	LOS ANGELES	P	1926	HIST.RES.	HUD040701C	07/08/04	2D2	AC
145929		3303 SIERRA ST		LOS ANGELES		1904	HIST.RES.	DOE-19-03-0377-0000	01/31/03	6U	
							PROJ.REVW.	HUD030103G	01/31/03	6U	
065193	19-173469	5407 SIERRA VISTA AVE		LOS ANGELES	U		PROJ.REVW.	HUD870511E	06/08/87	6Y	
140792		1639 SILVER LAKE BLVD		LOS ANGELES	P		HIST.RES.	DOE-19-03-0188-0000	06/17/03	6Y	
							PROJ.REVW.	FCC030605C	06/17/03	6Y	
132632		2300 SILVER LAKE BLVD	RICHARD AND DION NEUTRA VDL RESEAR	LOS ANGELES	S	1932	HIST.RES.	NPS-030007774-0000	05/08/09	1S	C
							HIST.RES.	NPS-030007774-0000	08/21/03	6X	
							NAT.REG.	19-0407	08/05/02	3S	C
176684		2300 SILVER LAKE BLVD	RICHARD AND DION NEUTRA GARDEN HOU	LOS ANGELES	S	1939	HIST.RES.	NPS-030007774-0001	05/08/09	1S	C
097819	19-175302	1850 SILVERLAKE BLVD	SILVERLAKE RECREATION CENTER / COM	LOS ANGELES	M		PROJ.REVW.	HRG940202Z	09/30/94	2D2	
							HIST.RES.	HRG-309	09/30/94	2D2	
072244	19-174011	4508 SLAUSON AVE	WICHSTAND	LOS ANGELES	P	1957	HIST.RES.	DOE-19-94-0645-0000	11/03/94	7K	
							PROJ.REVW.	HUD941014A	11/03/94	7K	
							HIST.RES.	DOE-19-91-0007-0000	07/01/91	2S	AC
							PROJ.REVW.	HUD910422I	07/01/91	2S	A C
							HIST.RES.	SPHI-LAN-048	11/20/89	7L	
							ST.PT.INT.	19-0036	11/03/89	7L	
077668	19-174398	430 SLOAT ST		LOS ANGELES	U	1926	PROJ.REVW.	HUD920825D	09/29/92	6Y	
131144		4133 SOMERS AVE		LOS ANGELES		1947	HIST.RES.	DOE-19-02-0219-0000	04/02/02	6Y	
							PROJ.REVW.	HUD020402AG	04/02/02	6Y	
090498	19-174918	5399 SOMERSET ST		LOS ANGELES	P	1927	PROJ.REVW.	HUD940628A	08/02/94	6Y	
097820	19-175303	1020 SOTO ST	SOTO STREET ELEMENTARY SCHOOL	LOS ANGELES	D	1937	HIST.RES.	DOE-19-94-0513-0000	08/15/94	2S2	
							PROJ.REVW.	HRG940202Z	08/15/94	2S2	
155811		6635 SOUTHSIDE DR		LOS ANGELES	P	1942	PROJ.REVW.	HUD050929A	10/05/05	6Y	
086550	19-174820	1417 SPAULDING AVE		LOS ANGELES	U	1923	HIST.SURV.	0053-4819-0000	06/01/92	6L	
021259	19-167297	803 SPENCE ST	STEVENSON, ROBERT LOUIS LIBRARY\ L	LOS ANGELES	M	1927	HIST.RES.	DOE-19-94-0370-0000	08/27/94	2S2	AC
							PROJ.REVW.	HRG940202Z	08/27/94	2S2	AC
							HIST.RES.	NPS-87001021-0000	05/19/87	1S	AC
020955	19-167020	SPRING ST	LOS ANGELES PLAZA HISTORIC DISTRIC	LOS ANGELES	SMP	1815	HIST.SURV.	0053-0138-9999	06/01/74	7K	ABC
							HIST.RES.	NPS-72000231-9999	11/03/72	1S	ABC
115002		SPRING ST	BRIDGE #53C-859 / SPRING STREET VI	LOS ANGELES	M	1928	HIST.RES.	DOE-19-86-0071-0000	10/19/86	2S2	C
							PROJ.REVW.	FHWA860919Z	10/19/86	2S2	C
021482	19-167514	SR 1	BRIDGE #53-34	LOS ANGELES	S	1926	HIST.SURV.	0053-0392-0000		7R	
021483	19-167515	SR 1	BRIDGE #53-35	LOS ANGELES	S	1933	HIST.SURV.	0053-0393-0000		7R	
021479	19-167511	SR 11	BRIDGE #53-431	LOS ANGELES	S	1895	HIST.SURV.	0053-0389-0000		7N	
021480	19-167512	SR 11	BRIDGE #53-200R, FIGUEROA STREET T	LOS ANGELES	S	1931	HIST.SURV.	0053-0390-0000		3S	
021481	19-167513	SR 11	BRIDGE #53-199R, FIGUEROA STREET T	LOS ANGELES	S	1931	HIST.SURV.	0053-0391-0000		3S	
109903		SR 110		LOS ANGELES		1942	HIST.RES.	DOE-19-96-0050-0000	10/10/96		
							PROJ.REVW.	FHWA960926A	10/10/96		

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175720		13978 TERRA BELLA ST		LOS ANGELES	P	1952	PROJ.REVW.	HUD090126A	01/28/09	6U	
090380	19-174913	11800 TEXAS AVE	SERRA SPRINGS/UNIVERSITY HIGH SCHO	LOS ANGELES	D	1936	HIST.RES.	DOE-19-94-0515-0000	11/22/94	2S2	
							PROJ.REVW.	HRG940202Z	11/22/94	2S2	
							HIST.RES.	SHL-0522-0000	11/01/54	7L	
024715	19-170735	206 THORNE ST	FARGO HOUSE	LOS ANGELES	P	1909	HIST.SURV.	0053-2183-0000		3S	
	19-157985										
024716	19-170736	216 THORNE ST		LOS ANGELES	P	1894	HIST.SURV.	0053-2184-0000		7R	
	19-157984										
024717	19-170737	256 THORNE ST		LOS ANGELES	P	1887	HIST.SURV.	0053-2185-0000		5S2	
	19-157980										
098204	19-175564	1957 THURMAN AVE		LOS ANGELES	M	1932	HIST.RES.	DOE-19-94-0169-0000	04/27/94	6Y	
							PROJ.REVW.	HRG940202Z	04/27/94	6Y	
098205	19-175565	2326 THURMAN AVE		LOS ANGELES	M		HIST.RES.	DOE-19-94-0170-0000	04/27/94	6Y	
							PROJ.REVW.	HRG940202Z	04/27/94	6Y	
125997		14153 TIARA ST		LOS ANGELES	Y	1942	HIST.RES.	DOE-19-00-0200-0000	03/03/00	6U	
							PROJ.REVW.	HUD001017Z	03/03/00	6U	
077151	19-174327	2310 TOBERMAN ST		LOS ANGELES	P	1915	HIST.RES.	NPS-91001387-0042	09/27/91	6X	
077153	19-174328	2320 TOBERMAN ST		LOS ANGELES	P	1906	HIST.RES.	NPS-91001387-0043	09/27/91	1D	C
	19-164504										
077154	19-174329	2322 TOBERMAN ST		LOS ANGELES	P	1906	HIST.RES.	NPS-91001387-0044	09/27/91	1D	C
	19-164505										
077156	19-174330	2407 TOBERMAN ST		LOS ANGELES	P	1922	HIST.RES.	NPS-91001387-0045	09/27/91	1D	C
	19-164488										
125998		6736 TOBIAS AVE		LOS ANGELES		1938	HIST.RES.	DOE-19-00-0201-0000	04/17/00	6U	
							PROJ.REVW.	HUD001017Z	04/17/00	6U	
024766	19-170786	4512 TOLAND WY		LOS ANGELES	P	1921	HIST.SURV.	0053-2235-0000		5S2	
123770		4759 TOLAND WY		LOS ANGELES	U	1923	HIST.RES.	DOE-19-99-0341-0000	02/01/99	6Y	
							PROJ.REVW.	HUD990201N	02/01/99	6Y	
175721		4866 TOLAND WY		LOS ANGELES	P	1930	PROJ.REVW.	HUD090126A	01/28/09	6U	
097831	19-175314	7428 TOPANGA CANYON BLVD	CANOGA PARK ELEMENTARY SCHOOL	LOS ANGELES	D	1935	HIST.RES.	DOE-19-94-0516-9999	08/15/94	2S2	
							PROJ.REVW.	HRG940202Z	08/15/94	2S2	
100816	19-176255	7428 TOPANGA CANYON BLVD	CANOGA PARK ELEMENTARY SCHOOL-AUDI	LOS ANGELES	D	1936	HIST.RES.	DOE-19-94-0516-0002	08/15/94	2D2	
							PROJ.REVW.	HRG940202Z	08/15/94	2D2	
100815	19-176254	7428 TOPANGA CANYON BLVD	CANOGA PARK ELEMENTARY SCHOOL-ADMI	LOS ANGELES	D	1935	HIST.RES.	DOE-19-94-0516-0001	08/15/94	2D2	
							PROJ.REVW.	HRG940202Z	08/15/94	2D2	
072701	19-174013	4438 TOPAZ ST		LOS ANGELES	U	1924	PROJ.REVW.	HUD910703D	07/12/91	6Y	
069698	19-173826	4622 TOPAZ ST		LOS ANGELES	U	1926	PROJ.REVW.	HUD901030D	11/30/90	6Y	
116374		4440 TOWNE AVE		LOS ANGELES	P	1912	HIST.RES.	DOE-19-96-0286-0000	09/16/96	6U	
							PROJ.REVW.	HUD970203Z	09/16/96	6U	
073119	19-174068	9906 TOWNE AVE		LOS ANGELES	U	1925	PROJ.REVW.	HUD910912G	09/19/91	6Y	
180102		1188 TREMAINE AVE		LOS ANGELES	P	1923	PROJ.REVW.	HUD100927C	10/12/10	6U	
064815	19-173375	4421 TRIGGS ST	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD860702K	08/04/86	6Y	
081558	19-174453	43436 TRIGGS ST		LOS ANGELES	U	1919	PROJ.REVW.	HUD871027C	05/29/89	6Y	
098206	19-175566	4053 TRINIDAD RD		LOS ANGELES	M		HIST.RES.	DOE-19-94-0171-0000	04/27/94	6Y	
							PROJ.REVW.	HRG940202Z	04/27/94	6Y	
116376		2619 TRINITY ST		LOS ANGELES	P	1924	HIST.RES.	DOE-19-96-0288-0000	08/27/96	6U	
							PROJ.REVW.	HUD970203Z	08/27/96	6U	
099013	19-175618	3454 TROUSDALE PARKWAY	USC-LAS II BUILDING	LOS ANGELES	P	1960	HIST.RES.	DOE-19-94-0001-0022	06/29/94	6Y	
							PROJ.REVW.	HRG940202Z	06/29/94	6Y	
099018	19-175623	3470 TROUSDALE PARKWAY	USC - WAITE PHILLIPS HALL OF EDUCA	LOS ANGELES	P	1966	HIST.RES.	DOE-19-94-0001-0027	06/29/94	6Y	
							PROJ.REVW.	HRG940202Z	06/29/94	6Y	
099019	19-175624	3502 TROUSDALE PARKWAY	USC-SOCIAL SCIENCE BUILDING	LOS ANGELES	P	1966	HIST.RES.	DOE-19-94-0001-0028	06/29/94	6Y	
							PROJ.REVW.	HRG940202Z	06/29/94	6Y	
099017	19-175622	3518 TROUSDALE PARKWAY	USC-VON KLEINSMID CENTER FOR INTER	LOS ANGELES	P	1964	HIST.RES.	DOE-19-94-0001-0026	06/29/94	6Y	
							PROJ.REVW.	HRG940202Z	06/29/94	6Y	
099001	19-175613	3550 TROUSDALE PARKWAY	USC-ALUMNI PARK AND PRENTISS FOUNT	LOS ANGELES	P	1933	HIST.RES.	DOE-19-94-0001-0017	06/29/94	2D2	ABC

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069697	19-173825	4780 TWINING ST		LOS ANGELES	U	1925	PROJ.REVW.	HUD901030C	11/30/90	6Y	
154072		14200 TYLER ST		LOS ANGELES		1946	PROJ.REVW.	HUD040202L	02/02/04	6U	
138461		8701 TYRONE AVE		LOS ANGELES	P	1948	HIST.RES.	DOE-19-02-1184-0001	12/30/02	2D2	A
							PROJ.REVW.	HUD021205B	12/30/02	2D2	A
179162		111 UNION AVE		LOS ANGELES	PP	1956	PROJ.REVW.	FCC100218F	03/18/10	6Y	
023962	19-169984	415 UNION AVE	BRUCE APARTMENTS	LOS ANGELES	P	1923	HIST.SURV.	0053-1418-0000		7R	
123773		729 UNION AVE		LOS ANGELES	U	1924	HIST.RES.	DOE-19-99-0343-0000	02/01/99	6Y	
							PROJ.REVW.	HUD990201N	02/01/99	6Y	
026018	19-172006	1339 UNION AVE	MISS HELENA FLEISHMAN RESIDENCE	LOS ANGELES	P	1885	HIST.SURV.	0053-3421-0000		5S2	
134444		4274 UNION PACIFIC AVE		LOS ANGELES		1926	HIST.RES.	DOE-19-02-1034-0000	10/09/02	6U	
							PROJ.REVW.	HUD021009N	10/09/02	6U	
134445		4278 UNION PACIFIC AVE		LOS ANGELES		1926	HIST.RES.	DOE-19-02-1035-0000	10/09/02	6U	
							PROJ.REVW.	HUD021009N	10/09/02	6U	
134446		4280 UNION PACIFIC AVE		LOS ANGELES		1926	HIST.RES.	DOE-19-02-1036-0000	10/09/02	6U	
							PROJ.REVW.	HUD021009N	10/09/02	6U	
065020	19-173450	4814 UNION PACIFIC AVE	RESIDENCE	LOS ANGELES	U		PROJ.REVW.	HUD861203G	12/31/86	6Y	
020956	19-167021	UNIVERSITY AVE	S. W. MODD MEMORIAL HALL OF PHILOS	LOS ANGELES	S	1929	HIST.SURV.	0053-0139-0000		7N	
026023	19-172011	1431 VALENCIA ST		LOS ANGELES	P	1897	HIST.SURV.	0053-3426-0000		3S	
125209		22132 VALERIO ST		LOS ANGELES	Y	1948	HIST.RES.	DOE-19-98-0344-0000	08/03/98	6Y	
							PROJ.REVW.	HUD980803I	08/03/98	6Y	
025499	19-171489	2108 VALLEJO ST	WILLIAM H PERRY RESIDENCE	LOS ANGELES	P	1890	HIST.SURV.	0053-2902-0000		7R	
	19-156065										
020916	19-166988	3501 VALLEY BLVD	LINCOLN PARK BOATHOUSE	LOS ANGELES	M	1912	HIST.RES.	DOE-19-00-0105-0000	02/01/00	2S2	
							PROJ.REVW.	HUD000201E	02/01/00	2S2	
							HIST.SURV.	0053-0106-0000		3S	
139478		4794 VALLEY BLVD		LOS ANGELES	P	1947	HIST.RES.	DOE-19-03-0133-0000	04/14/03	6Y	
							PROJ.REVW.	FHWA030124D	04/14/03	6Y	
139479		4830 VALLEY BLVD	KOVARICH BROKERAGE BLDG 1	LOS ANGELES	P	1944	HIST.RES.	DOE-19-03-0134-0000	04/14/03	6Y	
							PROJ.REVW.	FHWA030124D	04/14/03	6Y	
139482		4856 VALLEY BLVD	KOVARICH BROKERAGE BLDG 2	LOS ANGELES	P	1951	HIST.RES.	DOE-19-03-0135-0000	04/14/03	6Y	
							PROJ.REVW.	FHWA030124D	04/14/03	6Y	
139483		4860 VALLEY BLVD	KOVARICH BROKERAGE BLDG 3	LOS ANGELES	P	1937	HIST.RES.	DOE-19-03-0136-0000	04/14/03	6Y	
							PROJ.REVW.	FHWA030124D	04/14/03	6Y	
139484		4880 VALLEY BLVD	CORRADINI TILE WAREHOUSE	LOS ANGELES	P	1949	HIST.RES.	DOE-19-03-0137-0000	04/14/03	6Y	
							PROJ.REVW.	FHWA030124D	04/14/03	6Y	
162043		5555 VALLEY BLVD	BUILDING 307/ALPHA THERAPEUTIC COR	LOS ANGELES	P	1947	PROJ.REVW.	FHWA050923A	05/12/06	6Y	
162042		5561 VALLEY BLVD	BUILDING 306/ALPHA THERAPEUTIC COR	LOS ANGELES	P		PROJ.REVW.	FHWA050923A	05/12/06	6Y	
020917	19-166989	5609 VALLEY OAK DR	NOVARRO HOUSE	LOS ANGELES	P	1928	HIST.SURV.	0053-0107-0000		3S	
123869		3760 VALLEYBRINK RD		LOS ANGELES	U	1924	HIST.RES.	DOE-19-00-0106-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
116377		12012 VALLEYHEART DR		LOS ANGELES	P		HIST.RES.	DOE-19-96-0289-0000	10/29/96	6U	
							PROJ.REVW.	HUD970203Z	10/29/96	6U	
021210	19-167258	7156 VALMONT ST	WIEMAN CHAPEL, SEVENTH DAY ADVENTI	LOS ANGELES	P	1920	HIST.SURV.	0053-0314-0000		7N	
073349	19-174074	VAN BUREN PL	VAN BUREN PLACE HISTORIC DISTRICT	LOS ANGELES	P	1903	HIST.RES.	NPS-89001103-0000	08/10/89	1S	C
							NAT.REG.	19-0018	08/10/89	1S	C
							HIST.SURV.	0053-4710-9999	08/10/89	1S	C
077039	19-174285	0 VAN BUREN PL	JOHNSON HOUSE	LOS ANGELES	P	1910	HIST.SURV.	0053-4710-0007	08/10/89	1D	C
077041	19-174286	2620 VAN BUREN PL	KLITTEN HOUSE	LOS ANGELES	P	1903	HIST.SURV.	0053-4710-0008	08/10/89	6X	
	19-162717										
	19-164390										
077027	19-174279	2621 VAN BUREN PL	LANE HOUSE	LOS ANGELES	P	1904	HIST.SURV.	0053-4710-0001	08/10/89	1D	C
	19-164389										
077043	19-174287	2624 VAN BUREN PL	DANIELS HOUSE	LOS ANGELES	P	1903	HIST.SURV.	0053-4710-0009	08/10/89	1D	C
	19-164391										
077029	19-174280	2627 VAN BUREN PL	HUTCHASON-CHEAP HOUSE	LOS ANGELES	P	1905	HIST.SURV.	0053-4710-0002	08/10/89	1D	C
	19-164388										

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	19-157433										
086430	19-174766	5359 W ADAMS BLVD		LOS ANGELES	U	1930	HIST.SURV.	0053-4745-0000	06/01/92	5S1	
	19-160096										
100598	19-176151	5417 W ADAMS BLVD		LOS ANGELES	P	1920	HIST.RES.	DOE-19-94-0520-0000	11/22/94	6Y	
							PROJ.REVW.	HRG940202Z	11/22/94	6Y	
116215		5421 W ADAMS BLVD		LOS ANGELES	P	1928	HIST.RES.	DOE-19-96-0144-0000	06/30/96	6U	
							PROJ.REVW.	HUD960801E	06/30/96	6U	
175659		12807 W ADMIRAL AVE		LOS ANGELES		1955	PROJ.REVW.	HUD090126A	01/28/09	6U	
182683		12927 W ADMIRAL AVE		LOS ANGELES	P	1952	PROJ.REVW.	HUD110502H	05/12/11	6U	
175537		12760 W ALBERS ST		LOS ANGELES	P	1953	PROJ.REVW.	HUD080707A	07/22/08	6U	
027358	19-173287	714 W ALPINE ST	ST ANTHONY'S CROATIAN CATHOLIC CHU	LOS ANGELES	P	1910	HIST.SURV.	0053-4642-0000		7N	
180048	.	19112 W ARCHWOOD ST		LOS ANGELES	P	1951	PROJ.REVW.	HUD100927C	10/12/10	6U	
175278		523 W AVE 28		LOS ANGELES	P	1935	PROJ.REVW.	HUD070529J	07/05/07	6U	
162939		2211 W AVE 30	GLASSELL PARK ELEMENTARY SCHOOL	LOS ANGELES	M	1924	HIST.RES.	NPS-07000309-0000	04/13/07	1S	AC
							NAT.REG.	19-0488	02/02/07	3S	AC
024732	19-170752	2603 W AVE 30		LOS ANGELES	P	1910	HIST.SURV.	0053-2201-0000		5S2	
024736	19-170756	2817 W AVE 31		LOS ANGELES	P	1912	HIST.SURV.	0053-2205-0000		7R	
154023		2425 W AVE 32		LOS ANGELES		1925	PROJ.REVW.	HUD040202L	02/02/04	6U	
024735	19-170755	2666 W AVE 32		LOS ANGELES	P	1911	HIST.SURV.	0053-2204-0000		7R	
024737	19-170757	2706 W AVE 32		LOS ANGELES	P	1910	HIST.SURV.	0053-2206-0000		7N	
024738	19-170758	2849 W AVE 32		LOS ANGELES	P	1912	HIST.SURV.	0053-2207-0000		7R	
024739	19-170759	2855 W AVE 32		LOS ANGELES	P	1920	HIST.SURV.	0053-2208-0000		7R	
024740	19-170760	2859 W AVE 32		LOS ANGELES	P	1920	HIST.SURV.	0053-2209-0000		7R	
147050		403 W AVE 33		LOS ANGELES	P		HIST.RES.	DOE-19-04-0060-0000	06/04/04	6Y	
							PROJ.REVW.	FHWA040514A	06/04/04	6Y	
090405	19-174916	2861 W AVE 33		LOS ANGELES	P	1910	PROJ.REVW.	HUD940615A	07/22/94	6Y	
024547	19-170568	321 W AVE 37		LOS ANGELES	P	1909	HIST.SURV.	0053-2015-0000		7R	
024548	19-170569	914 W AVE 37		LOS ANGELES	P	1937	HIST.SURV.	0053-2016-0000		7R	
099322	19-175784	418 W AVE 42		LOS ANGELES	P	1924	HIST.RES.	DOE-19-94-0079-0000	04/29/94	6Y	
							PROJ.REVW.	HRG940202Z	04/29/94	6Y	
024561	19-170582	135 W AVE 43	PUMPHOUSE, DWP PUMPING STATION	LOS ANGELES	M	1917	HIST.SURV.	0053-2029-0000		5S2	
024558	19-170579	200 W AVE 43	LOS ANGELES & MOUNT WASINGTON RAIL	LOS ANGELES	P	1909	HIST.SURV.	0053-2026-0000		5S2	
							HIST.SURV.	0053-0007-0000		7N	
024560	19-170581	118 W AVE 45		LOS ANGELES	P	1913	HIST.SURV.	0053-2028-0000		7R	
024562	19-170583	460 W AVE 45		LOS ANGELES	P	1923	HIST.SURV.	0053-2030-0000		7R	
171631		2410 W AVENUE 33		LOS ANGELES		1921	PROJ.REVW.	HUD080109F	04/17/08	6U	
171632		2634 W AVENUE 34		LOS ANGELES		1922	PROJ.REVW.	HUD080109F	04/17/08	6U	
174898		2219 W BAXTER ST		LOS ANGELES	P	1906	PROJ.REVW.	FHWA081229A	01/27/09	6Y	
171635		11947 W BEATRICE ST		LOS ANGELES		1946	PROJ.REVW.	HUD080109F	04/17/08	6U	
182684		12114 W BEATRICE ST		LOS ANGELES	P	1952	PROJ.REVW.	HUD110502H	05/12/11	6U	
069423	19-173813	365 W BELLEVUE AVE	RHODES HOUSE	LOS ANGELES	U		PROJ.REVW.	65000981	12/21/77	2S	
024049	19-170071	1825 W BELLEVUE AVE		LOS ANGELES	P	1905	HIST.SURV.	0053-1510-0000		5S2	
152994		1900 W BELLEVUE AVE		LOS ANGELES		1913	HIST.RES.	DOE-19-05-0061-0000	04/19/05	6U	
							PROJ.REVW.	HUD050404N	04/19/05	6U	
024024	19-170046	2218 W BERKELEY AVE		LOS ANGELES	P	1924	HIST.SURV.	0053-1485-0000		5S2	
175545		2312 W BERKELEY AVE		LOS ANGELES		1922	PROJ.REVW.	HUD080707A	07/22/08	6U	
024025	19-170047	2317 W BERKELEY AVE		LOS ANGELES	P	1920	HIST.SURV.	0053-1486-0000		7R	
024026	19-170048	2422 W BERKELEY AVE		LOS ANGELES	P	1895	HIST.SURV.	0053-1487-0000		7R	
175546		14907 W BESTOR BLVD		LOS ANGELES	P	1947	PROJ.REVW.	HUD080707A	07/22/08	6U	
094961	19-175092	3121 W BEVERLY BLVD		LOS ANGELES	P		PROJ.REVW.	HUD950301E	03/30/95	6Y	
171645		11637 W BLYTHE ST		LOS ANGELES	P	1913	PROJ.REVW.	HUD080109F	04/17/08	6U	
171646		14653 W BLYTHE ST		LOS ANGELES	P	1956	PROJ.REVW.	HUD080109F	04/17/08	6U	
171647		14657 W BLYTHE ST		LOS ANGELES	P	1949	PROJ.REVW.	HUD080109F	04/17/08	6U	
171648		14726 W BLYTHE ST		LOS ANGELES	P	1948	PROJ.REVW.	HUD080109F	04/17/08	6U	
175547		12907 W BONAPARTE AVE		LOS ANGELES		1950	PROJ.REVW.	HUD080707A	07/22/08	6U	
175550		17557 W BURBANK BLVD		LOS ANGELES		1949	PROJ.REVW.	HUD080707A	07/22/08	6U	

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021899	19-167926	1558 WINONA BLVD		LOS ANGELES	P	1915	HIST.SURV.	0053-0621-0017		5D2	
021889	19-167916	1601 WINONA BLVD		LOS ANGELES	P	1907	HIST.SURV.	0053-0621-0007		5D2	
021891	19-167918	1605 WINONA BLVD		LOS ANGELES	P	1905	HIST.SURV.	0053-0621-0009		5D2	
021892	19-167919	1611 WINONA BLVD		LOS ANGELES	P	1913	HIST.SURV.	0053-0621-0010		5D2	
021893	19-167920	1615 WINONA BLVD		LOS ANGELES	P	1913	HIST.SURV.	0053-0621-0011		5D2	
021897	19-167924	1616 WINONA BLVD		LOS ANGELES	P	1914	HIST.SURV.	0053-0621-0015		5D2	
021894	19-167921	1622 WINONA BLVD		LOS ANGELES	P	1920	HIST.SURV.	0053-0621-0012		5D2	
021901	19-167928	1623 WINONA BLVD		LOS ANGELES	P	1913	HIST.SURV.	0053-0621-0019		5D2	
021895	19-167922	1626 WINONA BLVD		LOS ANGELES	P	1912	HIST.SURV.	0053-0621-0013		5D2	
021902	19-167929	1627 WINONA BLVD		LOS ANGELES	P	1911	HIST.SURV.	0053-0621-0020		5D2	
021903	19-167930	1631 WINONA BLVD		LOS ANGELES	P	1906	HIST.SURV.	0053-0621-0021		5D2	
021890	19-167917	1632 WINONA BLVD		LOS ANGELES	P	1913	HIST.SURV.	0053-0621-0008		5D2	
021896	19-167923	1638 WINONA BLVD		LOS ANGELES	P	1913	HIST.SURV.	0053-0621-0014		5D2	
021708	19-167736	1711 WINONA BLVD		LOS ANGELES	P	1916	HIST.SURV.	0053-0564-0001		5D2	
021709	19-167737	1717 WINONA BLVD		LOS ANGELES	P	1918	HIST.SURV.	0053-0564-0002		5D2	
021710	19-167738	1721 WINONA BLVD		LOS ANGELES	P	1916	HIST.SURV.	0053-0564-0003		5D2	
020983	19-167047	1728 WINONA BLVD		LOS ANGELES	P	1918	HIST.SURV.	0053-0164-0005		5D2	
020982	19-167046	1729 WINONA BLVD		LOS ANGELES	P	1923	HIST.SURV.	0053-0164-0004		5D2	
021712	19-167740	1740 WINONA BLVD		LOS ANGELES	P	1927	HIST.SURV.	0053-0565-0000		5S2	
021713	19-167741	1850 WINONA BLVD		LOS ANGELES	P	1918	HIST.SURV.	0053-0566-0000		5S2	
021723	19-167751	1855 WINONA BLVD		LOS ANGELES	P	1917	HIST.SURV.	0053-0576-0001		5D2	
100234	19-175947	3409 WINSLOW DR		LOS ANGELES	P		HIST.RES.	DOE-19-95-0047-0000	04/05/95	6Y	
							PROJ.REVW.	HRG940202Z	04/05/95	6Y	
027329	19-173259	212 WINSTON ST	MRS IDA WORKMAN'S FURNISHED ROOMS,	LOS ANGELES	P	1904	HIST.SURV.	0053-4625-0000		7R	
065969	19-173536	231 WINSTON ST	ST. VINCENT DE PAUL TRANSITIONAL H	LOS ANGELES	U		PROJ.REVW.	HUD890320G	07/19/89	6Y	
077012	19-174274	3153 WINTER ST		LOS ANGELES	U	1928	PROJ.REVW.	HUD920505G	05/28/92	6Y	
073966	19-174123	725 WITMER ST		LOS ANGELES	U	1923	PROJ.REVW.	HUD911029D	11/18/91	6Y	
072223	19-174010	2422 WLLINGTON RD		LOS ANGELES	U	1920	PROJ.REVW.	HUD910607A	06/27/91	6Y	
132999		3663 WONDERVIEW DR	HOLLYWOOD RESERVOIR COMPLEX/ HOLLY	LOS ANGELES	M	1932	HIST.RES.	DOE-19-00-0324-0016	03/22/00	2D2	
							PROJ.REVW.	EPA990920A	03/22/00	2D2	
027336	19-173266	2122 WOODLAND WY	HIGHLAND-CAMROSE BUNGALOW #3	LOS ANGELES	C	1922	HIST.SURV.	0053-4631-0003	03/16/89	1D	
							HIST.RES.	DOE-19-87-0008-0003	03/19/87	2D2	C
							PROJ.REVW.	HUD870127W	03/19/87	2D2	C
066653	19-173629	1307 WOODS AVE		LOS ANGELES	U		PROJ.REVW.	HUD880502H	05/31/88	6Y	
181244		6834 WOODWARD AVE		LOS ANGELES	P	1938	PROJ.REVW.	HUD110131A	02/11/11	6U	
020652	19-176668	3752 WOOLWINE DR		LOS ANGELES	P	1925	HIST.SURV.	0022-0152-0000		7R	
081569	19-174459	3862 WOOLWINE DR		LOS ANGELES	U	1935	PROJ.REVW.	HUD871027C	05/22/89	6Y	
123782		1814 WORKMAN ST		LOS ANGELES	U	1900	HIST.RES.	DOE-19-00-0018-0000	02/01/00	6Y	
							PROJ.REVW.	HUD000201E	02/01/00	6Y	
025495	19-171485	2242 WORKMAN ST	ADOLPH FOYEN RESIDENCE	LOS ANGELES	P	1885	HIST.RES.	DOE-19-86-0097-0000	06/06/86	2S2	C
	19-156061						PROJ.REVW.	HUD860603M	06/06/86	2S2	C
							HIST.SURV.	0053-2898-0000		7N	
026764	19-172747	2525 WORKMAN ST		LOS ANGELES	P	1887	HIST.SURV.	0053-4097-0000		7N	
	19-156001										
020924	19-156045	2530 WORKMAN ST	LINCOLN HEIGHTS BRANCH LIBRARY	LOS ANGELES	M	1916	HIST.RES.	DOE-19-94-0363-0000	08/27/94	2S2	AC
	19-166993						PROJ.REVW.	HRG940202Z	09/30/94	2S2	AC
							HIST.RES.	NPS-87001013-0000	05/19/87	1S	AC
							HIST.SURV.	0053-0115-0000	11/01/76	3S	
026820	19-172800	2618 WORKMAN ST	ADVENT CHRISTIAN CHURCH	LOS ANGELES	P	1915	HIST.SURV.	0053-4140-0000		7N	
	19-156094										
027296	19-173228	1314 WRIGHT ST	GOTTLIEB G. GLOUNER RENTAL COTTAGE	LOS ANGELES	P	1884	HIST.SURV.	0053-4592-0000		3S	
027297	19-173229	1326 WRIGHT ST	GOTTLIEB G. GLOUNER RESIDENCE, G.G	LOS ANGELES	P	1884	HIST.SURV.	0053-4593-0000		3S	

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone: (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov
Twitter: @CA_NAHC

September 13, 2019

Jenna Farrell
Tetra Tech

VIA Email to: jenna.farrell@tetratech.com

RE: Lincoln High School Comprehensive Modernization Project, Los Angeles County

Dear Ms. Farrell:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for more information. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information. If you have any questions or need additional information, please contact me at my email address: steven.quinn@nahc.ca.gov.

Sincerely,

Steven Quinn
Associate Governmental Program Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
9/13/2019

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Covina, CA, 91723
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Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
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Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 Gabrielino
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Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
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gtongva@gmail.com

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Lincoln High School Comprehensive Modernization Project, Los Angeles County.

APPENDIX F

Preliminary Geotechnical Investigation

URS

PRELIMINARY GEOTECHNICAL INVESTIGATION

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY AVENUE
LOS ANGELES, CALIFORNIA

FOR LOS ANGELES UNIFIED SCHOOL DISTRICTS
TASK ORDER 012
AGREEMENT # 1590066/4400003505

OCTOBER 28, 2019

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APPENDICES

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October 28, 2019

Los Angeles Unified School District
Design & A/E Technical Support
Los Angeles Unified School District
333 South Beaudry Avenue, 23rd Floor
Los Angeles, CA 90017

Attention: Mr. Peyman Soroosh Moghadam, S.E.

Re: Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway Avenue, Los Angeles, CA
For Los Angeles Unified School District
Task Order 012; Agreement/LAUSD SAP 1590066/4400003505

Dear Mr. Moghadam:

This letter transmits the results of a preliminary geotechnical investigation performed by URS (aka AECOM) at the existing Lincoln High School (Lincoln HS) campus located at 3501 N. Broadway Avenue, Los Angeles, California. Our services were performed for Los Angeles Unified School District (LAUSD) in accordance with our Contract No. 4400003505, our proposal dated March 13, 2017 and LAUSD authorization letter dated March 30, 2017.

We appreciate the opportunity to assist you with this project and are looking forward to continuing services throughout the design and construction phases.

Sincerely,

URS

REGISTERED PROFESSIONAL ENGINEER
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Joseph P. Gratzer, PG, CEG
Engineering Geologist

1.0 INTRODUCTION

This report presents the results of a preliminary geotechnical investigation performed by URS (aka AECOM) at the existing Lincoln High School (Lincoln HS) campus located at 3501 N. Broadway Avenue, Los Angeles, California. The location of the Lincoln HS is shown on the Vicinity Map, Figure 1.

The current investigation has been performed for Los Angeles Unified School District (LAUSD) in accordance with our Contract No. 4400003505, our proposal dated March 13, 2017 and LAUSD authorization letter dated March 30, 2017. Conclusions and recommendations presented in this report are based on subsurface conditions encountered at the locations of explorations performed by URS. Additional subsurface explorations may be required in the future. These recommendations should not be extrapolated to other areas, or used for other facilities without our prior review.

1.1 PROJECT BACKGROUND

Pursuant to LAUSD's implementation of Assembly Bill 300, we understand that a preliminary geotechnical investigation is required to support voluntary structural evaluation of the existing Lincoln HS school buildings in accordance with ASCE 41-13. The current investigation immediately assesses the geologic and seismic hazards that can impact the campus site as well as identify the foundation options available to LAUSD for conducting building retrofits as well as construction of new facilities if needed.

Lincoln HS is one of the oldest schools in the LAUSD. It was substantially rebuilt in the late-1940 after having suffered major damage during the 1933 Long Beach Earthquake. Lincoln HS currently consists of four (4) major buildings within the main campus and 1 significant building along the east side with an adjacent sports track and field.

1.2 PREVIOUS REPORTS AND DOCUMENTS

The original soils report for Lincoln HS is not available for review. However, the LAUSD has provided reports of recent investigations conducted by Geotechnologies Inc. and Geotechnical Professionals, Inc. at the Lincoln HS campus. We also conducted a limited review of existing design drawings for Lincoln HS at LAUSD's Maintenance and Operations CR2 office at 4545 Huntington Drive South, Los Angeles, CA. A summary of the pertinent documents reviewed during the current investigation include the following:

- Reports by Geotechnologies, Inc. (2006 through 2010), Geotechnical Engineering Investigation, Proposed Retaining Wall Replacement and Mitigation of Erosion Damage, Lincoln High School, 3501 North Broadway, Los Angeles, California, dated April 7, 2006; and Geotechnical Engineering Investigation, Hillside Erosion at Slope Below Track, Lincoln High School, 3501 North Broadway, Los Angeles, California, dated March 24, 2010;

- Geotechnical Professionals, Inc. (2016), Proposed Modular Restroom and Parking Lot, Lincoln High School, Los Angeles, CA, November 30, 2016.

- Albert C. Martin, Miscellaneous Foundation Plans, Abraham Lincoln High School, 3501 North Broadway, Los Angeles City High School District, 1937.

The geotechnical investigations and studies by Geotechnologies Inc. (GI) were conducted between 2006 and 2010 and generally addressed some wall and slope concerns surrounding the existing PE Building and adjacent sports facilities. Data from GI's studies were used to confirm our understanding of the bedrock contacts and properties along the east half of the campus.

The geotechnical investigation by Geotechnical Professionals, Inc. (GPI) was conducted in 2016 and was generally focused along northern portion of the main campus. The report provided geotechnical recommendations for modular restroom and parking lot. Data from GI's studies were used to confirm our understanding of the subsurface soil properties related to expansion potential, compaction characteristics and R-value.

A Plot Plan depicting the locations of previous, pertinent field explorations by Geotechnologies, GPI, including locations of the previous explorations are presented in Figure 2.

2.0 PURPOSE AND SCOPE OF SERVICES

The purpose of our current geotechnical investigation was to investigate the subsurface conditions within the Lincoln HS campus in order to assess any geologic and seismic hazards that may impact the site as well as develop engineering recommendations for possible scenarios of building retrofits or new construction.

Per general AB300 guidelines, if any geologic and/or seismic hazards are identified that could impact the safe performance of a school structure, such structure would need to be either retrofitted or replaced with a new structure. The scope of our services included performing the following tasks:

- Drilling and sampling of twelve (12) preliminary borings at immediately accessible locations between existing buildings.

- Preparation of a health and safety plan prior to commencement of any field activities;

- Site reconnaissance and field meeting with LAUSD staff to observe the project site and to lay out the locations of proposed field explorations at the site. Our engineering geologist (CEG) also conducted a geologic site reconnaissance to observe the exposed geologic conditions inside and around the campus.

- Preparation of this preliminary geotechnical investigation report that includes:

    - Geologic and seismic hazard evaluation with design parameters for new and existing (retrofit/modernization) buildings per CBC 2016, ASCE 7-10 & ASCE 41-

13. Our assessment of these hazards is intended to meet the minimum standards of the California Code of Regulations, Title 5 (Education Code) and Title 24 (2016 California Building Code) for performing geotechnical investigations for California public schools.

- Evaluation of potential hazards resulting from earthquake motions including slope instability, liquefaction and surface rupture due to faulting or lateral spreading.
- Assessment of feasibility for using multiple foundations types (spread footings, mat foundations, piles, etc.).
- Retaining wall design data including earthquake load.
- Pavement and hardscape recommendations for various applications (TI = 4 to 7).
- Expansive soils remediation/recommendations.
- Corrosion recommendations for protection of concrete footings, slab-on-grade concrete and underground piping.
- Recommendations for shoring; and
- Preliminary evaluation of feasibility BMP design at the site.

It is understood that once the Architect/Engineer (A/E) firm has been awarded the project and an approved final schematic site design has been generated, a final soils report will be generated based on the A/E's design and recommendations. Additional borings may be required per the approved final schematic design for the generation of the final soils report.

3.0 FIELD AND LABORATORY TESTING PROGRAMS

3.1 FIELD EXPLORATIONS

A field exploration program at the site was initiated on April 10 and completed on April 15, 2017. The borings were drilled under the technical supervision of a representative from our Los Angeles office. Exploratory borings were drilled using a limited access drilling rig and a standard rig equipped with 8-inch diameter hollow stem augers.

The borings were advanced typically to depths of about 10 to 100 feet below existing grade. Relatively undisturbed soil samples were obtained using a California Sampler. Standard Penetration Tests (per ASTM D-1586) were performed at selected depths for liquefaction evaluation. Bulk samples of representative near-surface soils were also obtained at selected boring locations. The locations of the borings are shown in Figure 2. A detailed description of the field exploration program, including boring logs, key to the logs of borings and other pertinent information, is presented in Appendix A.

3.2 LABORATORY TESTING

Soil samples obtained from the borings were packaged and sealed in the field to prevent moisture loss and minimize disturbance and transported to our Los Angeles laboratory where they were further examined and classified. Index, strength and compressibility tests were performed on selected soil samples in accordance with ASTM standards. A detailed description of the laboratory testing program is presented in Appendix B. Corrosivity testing was performed by EG Labs of Arcadia, California in accordance with standard California Test Methods.

4.0 GENERAL SITE CONDITIONS

4.1 SURFACE

The site coordinates are N34.074713° and W118.203312°, based on the North American Datum of 1927 (NAD27) and the entire campus covers approximately 13 acres. The main campus which contains most of the academic and administrative buildings is roughly triangular in shape and bounded by Broadway Avenue, Lincoln Park Avenue, Alta Street and residential units. This main campus is terraced into different graded areas varying in elevation from +390 feet to +400 feet MSL and occupied by the Auditorium, Home Economics, Administration and Shop buildings. Between buildings are concrete ramps, stairs and intermediate paved areas. A staff parking lot to the north and adjacent modular buildings area is approximately + 407 feet MSL.

Sports facilities consisting of a Physical Education (PE) Building, athletic field and tennis courts are located along a levelled pad east of Lincoln Park Avenue. The elevation of the PE building pad and athletic field are +447 feet MSL and +465 feet MSL, respectively.

Other structures include an existing pedestrian bridge that connects the main campus with the sports facilities as well as recently constructed retaining walls along the east side of Lincoln Park Avenue.

4.2 SUBSURFACE

Based on our field observations and the laboratory test data, the subsurface conditions encountered at boring locations are uniform and consistent with our regional geology review. Cross sections illustrating the anticipated subsurface geology are presented in Figures 3 through 5 (Cross sections A-A' through E-E'). The main geologic units are discussed below.

4.2.1 Artificial Fill (Af)

The project site is directly underlain by an artificial fill layer consisting of dark grayish brown to dark brown lean clay and sandy lean clay. These fills must have been placed during the original site grading. The fills appear to have been derived from the on-site clayey soils and have a medium stiff to very stiff consistency. This fill thickness varies from about 0 to 12 feet.

4.2.2 Alluvium (Qa)

Alluvial deposits were encountered at depths ranging from 5.5 to 11.5 feet bgs. The thickness of the alluvium ranges from approximately 24.5 feet to a maximum thickness of approximately 78.5 feet. The lithology is derived from erosion of the local uplands and its deposition controlled by the ancestral streams that drained from the canyons on the south flank of the Repetto Hills. The alluvium comprised mainly fine-grained sediments consisting of medium stiff to very stiff lean clay and sandy clay interbedded with discontinuous, thin lenses fine to medium-grained silty sand and clayey sand. These sediments are described as flood plain sediments deposited as clay-bearing alluvium (Dibblee, 1999).

4.2.3 Puente Formation (Tp)

The underlying bedrock consists of marine sedimentary rocks of mid Miocene age Puente Formation (Lamar, 1970). The site overlies the inferred boundary between the Soquel and La Vida member units. The Soquel member typically consists of interbedded units of sandstone and silty sandstone. The La Vida member typically consists of interbedded units of claystone and siltstone, and minor inter-beds of sandstone. All bedrock units are typically thickly to thinly bedded, and intensely weathered. Puente Formation bedrock was encountered at depths ranging from just below the paved asphalt surface (B-2) to over 80 feet bgs (B-11). Remolded bedrock of the Puente Formation, particularly claystones and siltstones, has been reported to exhibit moderate to high expansion characteristics.

4.3 GROUNDWATER

Groundwater was encountered in borings B-03, B-06, B-08, B-10 and B-11 at depths ranging from 38.5 to 58.5 feet below existing ground surface. According to the Los Angeles County Department of Public Works published data, the historic high groundwater level was 40.3 feet below existing ground surface (March, 1938) for a well located approximately 1.3 miles to the northwest of the project site.

According to the Seismic Hazard Zone Report 029 for the Los Angeles 7.5-Minute Quadrangle, the historically highest groundwater in the area has been inferred to be as shallow as 20 feet below existing grade (interpreted to be the lower campus level adjacent to Broadway Avenue). This map does not indicate shallow perched groundwater in the site vicinity.

The variations in groundwater depths could be the result of seasonal rainfall fluctuations especially during and immediately after periods of heavy rainfall. High groundwater levels can result in changed conditions.

5.0 GEOLOGY AND SEISMICITY

5.1 REGIONAL GEOLOGY AND SEISMICITY

The site is located within the Los Angeles Basin which is located at the juncture between the Peninsular Ranges Geomorphic Province and the Transverse Ranges Geomorphic Province as shown on the Regional Geology Map, Figure 6. The Los Angeles Basin is an elongate northwest trending, sediment filled structural trough that began to take its present shape in the Late Miocene (about 7 million years ago) by subsidence between the right-oblique Whittier and Palos Verdes faults, and the left oblique Santa Monica fault system (Wright, 1991). More specifically the Lincoln HS campus is situated along the south limb of the Elysian Park Anticline which is a 20-km-long, 10-km-wide fold on the northern margin of the Los Angeles basin. The Elysian Park Anticline is an active fault propagation fold that is above an active blind (subsurface) reverse fault that is named the named the Elysian Park Thrust (Davis et al. 1989, Bullard and Lettis, 1993, Dolan et al., 1995, Oskin et al., 2000).

The Peninsular Range geomorphic province is characterized by northwest-southeast trending alignments of mountain ranges and hills with intervening basins reflecting the influence of northwest trending major fault zones controlling the geologic structure of the region. The Peninsular Ranges are composed of metamorphosed sedimentary and volcanic rocks of Jurassic age intruded by mid-Cretaceous plutonic rock of the southern California batholith.

The geologically complex and seismically active Transverse Ranges geomorphic province is characterized by east-west trending mountains, intervening valleys, and geologic structures. This topographic and geologic pattern is formed by north-south crustal compression that is the consequence of a left (restraining) bend in the San Andreas Fault, known as the “Big Bend”. Many of the active faults in the Transverse Ranges are thrust or high-angle reverse, left lateral, oblique slip faults. These two geomorphic provinces have contrasting tectonic characteristics that overlap within the Los Angeles Basin resulting in a complex tectonic environment marked by active faulting and historic seismicity. The Los Angeles Basin is crossed by numerous northwest-trending active faults and is underlain by several blind thrust faults.

5.2 LOCAL GEOLOGIC SETTING

The Lincoln HS campus is located within a south-draining alluvial valley formed by recent uplift and headward erosion along the east-west trending Repetto Hills. The Repetto Hills are the topographic expression of an uplifted fold structure known as the Elysian Park Anticline. The resultant topography consists of a north-south trending alluvial valley between ridges of moderate topographic relief.

The subsurface consists of a mantle of artificial fill overlying alluvial deposits and marine sedimentary bedrock of mid-Miocene age Puente Formation (Lamar, 1970). The distribution of artificial fill deposits was the result of the development of the school structures. The alluvial deposits are derived from erosion of the local uplands and its deposition controlled by the

ancestral streams. The Puente Formation bedrock typically consists of interbedded units of claystone and siltstone with minor inter-beds of sandstone that have been folded and eventually uplifted to form the present-day hills.

5.3 GEOLOGIC HAZARDS

Geologic hazards are those hazards that could impact a site due to the surrounding geologic conditions. Geologic hazards include landslides, erosion, subsidence, volcanic eruptions, and poor soil conditions.

Our assessment of these hazards was based on current guidelines provided in Note 48, prepared by the California Geological Survey (formerly known as California Division of Mines and Geology), and it is intended to meet the minimum standards of the California Code of Regulations, Title 5 (Education Code) and Title 24 (2016 California Building Code) for performing geotechnical investigations for California public schools.

In accordance with these guidelines, our current investigation has not identified any geologic or seismic hazard that would impact the Lincoln HS campus. Descriptions of geologic and seismic hazards and their potential impacts to the site are discussed in the following sections.

5.3.1 Landsliding and Erosion

The potential for landslides induced by seismic shaking is not anticipated to pose a significant seismic hazard to the Lincoln HS campus. The Earthquake Zones Map of Required Investigation for the Los Angeles Quadrangle indicates that the site does not lie within areas designated as having the potential for seismically induced landslides as shown in Figure 7 (California Division of Mines and Geology, 1999). Based on our site reconnaissance and review of regional geologic maps, the regional bedding mapped by Dibblee (1989) located to the north of the physical education building and athletic field strikes approximately southwest-northeast and dips from 45 to 61 degrees towards the southeast. The slope is predominantly modified by grading and is inclined at slightly steeper than 2:1 (horizontal to vertical) with a dip direction to the southeast. The local bedding dip is greater than the dip of the slope and is not considered to be adversely oriented (“daylighting”).

In general, the existing building with the most slope features is the PE Building, but our preliminary assessment of the site gross stability indicates it to be adequate due foremost to the favorable geology. However, no site specific slope stability runs were made to quantify actual factors of safety during our preliminary study. Note that LAUSD had previously identified localized surficial issues in this area in the early 2000’s which were mitigated through regrading and construction of new retaining walls. The other consultants performed conventional slope stability and found the factors of safety to be adequate. Furthermore, the presence of a retaining wall and concrete bleacher structure to the north of the PE Building and athletic field further enhances the surficial slope stability under normal conditions. In brief, the geology review suggests the bedrock stability is generally favorable for the existing slope along the north side of the PE Building and grandstand, as well as the easterly slopes, east of the football field.

The Seismic Hazards Zone Map for the Los Angeles Quadrangle also indicates that there are adjacent slopes situated to the northwest of the Lincoln HS campus adjacent to Alta Street. These slopes are not mapped as areas having previous occurrence of landslide movement. Based on our site reconnaissance and review of regional geologic maps mapped by Dibblee (1989), the bedding in the immediate area dips at 45° to the southeast. The slope is partially graded and is inclined at slightly steeper than 2:1 (horizontal to vertical) with a dip direction to the southeast. The local bedding dip is greater than the dip of the slope and is not considered to be adversely oriented ("daylighting"). Furthermore, the presence of a four to eight-foot retaining wall to the northwest of the administration building further enhances the surficial slope stability under normal conditions.

Most of the campus was landscaped or covered with asphalt or concrete and will not be readily susceptible to erosion.

5.3.2 Subsidence

The extraction of water or petroleum from sedimentary source rocks can cause the permanent collapse of pore space previously occupied by the removed fluid. The compaction of subsurface sediment caused by fluid withdrawal will cause subsidence of the ground surface overlying a pumped reservoir. If the volume of water or petroleum is sufficiently great, the amount of resulting subsidence may be sufficient to damage nearby engineered structures. Although a detailed study has not been performed for this report, it is anticipated that the current minor extraction from oil and/or water wells in the vicinity of the site would not result in measurable subsidence at the Lincoln HS site, barring a significant increase in water extraction in the future. Therefore, the potential for subsidence is not considered a significant geologic hazard to the site.

According to the Department of Conservation, Division of Oil, Gas & Geothermal Resources (DOGGR), District 1, Map 119, the site is not located within an Oil Field Zone. The closest oil field to the site is the Union Station Oil Field which is located at an approximate distance of 2.38 miles southwest of the site. Therefore, the potential for subsidence is not considered a significant geologic hazard to the site.

5.3.3 Expansive Soils and Collapsible Soils

Expansive soils are fine-grained soils that can undergo a significant increase in volume with an increase in water content and a significant decrease in volume with a decrease in water content. Changes in the water content of an expansive soil can result in severe distress to structures constructed upon the soil. In general, the Lincoln HS site includes areas that are underlain by high plasticity clays with medium expansion potential.

Collapsible soils undergo settlement upon wetting, even without the application of additional load. Water weakens or destroys the bonds between soil particles and severely reduces the bearing capacity of the soil. Typical collapsible soils are lightly colored, with low plasticity and relatively low densities. Since the site fill soils are predominately clayey, potential impacts due to collapsible soils are expected to be low.

5.3.4 Volcanic Eruption

The southern California area has no active volcanoes and no known dormant volcanoes that could reactivate to cause eruptions. The closest Quaternary volcanic hazard zone consisting of basalt flows and tephra deposits is the Amboy-Lavic Lake area is approximately 140 miles to the northeast. The potential for volcanic hazards is remote.

5.3.5 Methane

Methane gas is a naturally occurring gas associated with the decomposition of organic materials. In high-enough concentrations, methane can be considered an explosion hazard. The subject site is neither located within a methane or methane buffer zone (City of Los Angeles, 2004) nor in the vicinity of an active oil production field. As such, the potential for explosive methane gases appears to be low at the site.

5.4 SEISMIC HAZARDS

Seismic hazards are those hazards associated with earthquakes such as ground shaking, ground rupture, liquefaction, differential compaction or seismic settlement, and other phenomena. These hazards and their potential impact at Lincoln HS are discussed in the following sections.

5.4.1 Strong Ground Shaking

By far the most severe seismic hazard with the potential to affect the Lincoln HS site is strong seismic shaking that can be expected from future earthquakes in the site region. The degree of shaking that is felt at a given site depends on the magnitude and distance of the earthquake, and on the type of subsurface material on which the site is situated.

The locations of the known active and potentially active faults and epicenters of earthquakes with magnitudes of 4 or greater with respect to the site are shown on the Regional Fault and Epicenter Map, Figure 8. This map includes the locations of most of the larger earthquakes that have been associated with larger faults that have been mapped at the ground surface. A number of moderate to large earthquakes in the region have also occurred on deep-seated buried thrust faults in this geological complex region of Southern California. The most recent significant earthquake in southern California was the magnitude 6.7 (Mw) Northridge earthquake, which occurred on a shallowly south-dipping thrust fault that underlies much of the San Fernando Valley. Other significant earthquakes that produced significant shaking include the 1987 magnitude 5.9 (Mw) Whittier earthquake, and the 1933 magnitude 5.5 (Mw) Long Beach earthquake.

5.4.2 Seismic Sources

Both distant and nearby faults contribute to the seismic exposure of the site. Based on their proximity to the site, and rate of activity, the Upper Elysian Park Thrust, Puente Hills Blind Thrust, and Raymond and Hollywood faults are considered capable of producing significant shaking at

the Lincoln HS site. The site coordinates for the Lincoln HS campus are approximately N34.07469° and W118.20344°. The faults closest to the site are summarized in Table 1.

Table 1 Seismic Sources

FAULT[4]	APPROXIMATE DISTANCE[1] (kilometers)	APPROXIMATE DISTANCE[1] (miles)	TYPEOF FAULT[2]	MAXIMUM EARTQUAKE MAGNITUDE[3] (Mw)
Upper Elysian Park	0.8	0.5	Blind Thrust	6.40
Raymond	4.7	2.9	Reverse Oblique	6.55
Puente Hills	5.3	3.3	Blind Thrust	6.92
Hollywood	8.7	5.4	Reverse/ Strike Slip Component	6.54
Verdugo	8.9	5.5	Reverse	6.75
Newport-Inglewood	15.4	9.6	Strike Slip	6.99
Whittier	16.4	10.2	Reverse-Oblique	6.83
Sierra Madre	16.8	10.4	Reverse	7.01
Santa Monica	18.8	11.7	Reverse	6.63
Clamshell-Sawpit Canyon	23.4	14.5	Reverse	6.50
San Gabriel	23.8	14.8	Strike Slip	7.08
Malibu Coast	29.4	18.3	Reverse	6.48
Northridge Hill	29.5	18.3	Blind Thrust	6.74
Palos Verdes	30.3	18.8	Strike Slip	7.15
San Jose	30.5	19.0	Strike Slip	6.40
Santa Susana	31.0	19.3	Thrust	6.73
Anacapa-Dume	32.0	19.9	Reverse	7.05
Chino-Central Ave. (Elsinore)	42.9	26.7	Strike Slip	6.70
Cucamonga	43.7	27.2	Thrust	6.90
San Joaquin Hills	47.7	29.7	Blind Thrust	6.60
San Andreas	52.8	32.8	Strike Slip	7.10
Upper Elysian Park	0.8	0.5	Blind Thrust	6.40
Raymond	4.7	2.9	Reverse Oblique	6.55
Puente Hills	5.3	3.3	Blind Thrust	6.92

Notes:
1. Distance to fault, Rx, which is defined as the perpendicular distance from the site to the surface projection of the top of fault.
2. Fault characterization based on Field et al., 2013.

FAULT[4]	APPROXIMATE DISTANCE[1] (kilometers)	APPROXIMATE DISTANCE[1] (miles)	TYPEOF FAULT[2]	MAXIMUM EARTQUAKE MAGNITUDE[3] (Mw)

3. The maximum earthquake magnitude is estimated using the Leonard 2010 magnitude-area scaling relations.
4. Fault data based on Uniform California Earthquake Rupture Forecast, Version 3 (Field et al., 2013).

The closest known active fault to the site with evidence of surface rupture is the Raymond Fault which is located approximately 2.9 miles (4.7 kilometers) to the north. The Raymond Fault is primarily a left-lateral strike-slip fault with a minor component of high angle reverse offset, placing basement rocks north of the fault over alluvial sediments south of the fault. This fault extends southwesterly from the Sierra Madre Fault zone at the base of the San Gabriel Mountains to the Raymond Hill area of South Pasadena where it trends in a westerly direction into Los Angeles. The Raymond Fault has long been recognized as a groundwater barrier in the vicinity of the City of Pasadena and numerous geomorphic features along its entire length. This is best expressed by an escarpment in the San Marino and Pasadena areas, where it forms a prominent escarpment up to 150 feet high. The most recent fault movement, based on radiocarbon ages from materials collected in an excavation shows that it occurred sometime between 1,600 to 2,100 years before present (Weaver and Dolan, 2000). An average slip rate of 1.5 mm/year and a maximum magnitude of 6.5 are estimated by the California Geological Survey (2003). The largest historical earthquake was the 1988 Pasadena Earthquake with a magnitude of 5.0.

Other nearby active faults with surface rupture includes the Hollywood Fault which is located approximately 5.4 miles (8.7 kilometers) to the northwest. The Hollywood Fault is located along the southern part of the Transverse Ranges Southern Boundary fault system, an east-west-trending system of reverse, oblique-slip, and strike slip faults that extends for more than 124 miles (200 kilometers) along the southern edge of the Transverse Ranges (Dolan et al., 2000). The 15-kilometer-long Hollywood fault is located just south of the faceted ridges and bedrock outcrops of the south margin of the eastern Santa Monica Mountains along Sunset Boulevard. Studies by several investigators (Dolan and Sieh, 1992) have indicated that the fault is active, based on geomorphic evidence, stratigraphic correlation between exploratory borings, and fault trenching studies. Although it is considered to be a Holocene fault (indicating displacement within the past 10,000 years) the Hollywood fault has not produced any moderate or large earthquakes in the historical record.

The closest active blind thrust fault is the Elysian Park Thrust. The Elysian Park Thrust is a blind thrust which underlies the area and produced the uplift of the Elysian Park Anticline. A series of south convergent folds and flexures are interpreted to result from compression above this north dipping blind thrust fault (Oskin and others, 2000). The accommodation of movement produced by the Elysian Park Thrust appears to be primarily as folding of the near surface deposits as opposed to active faulting. Oskin and others (2000) reported that the Elysian Park Anticline lacks

a surficial exposed frontal fault system but rather contraction at the surface is evident as fold growth. Several faults have been mapped throughout the Miocene age Puente Formation bedrock along the flanks of the Elysian Park Anticline (Lamar, 1970) but none of these have been shown to be active within Holocene time.

Another active blind thrust fault that could impact the site is the Puente Hills Blind Thrust Fault. The Puente Hills Blind Thrust fault is defined based on seismic reflection profiles and petroleum well logs. The blind thrust system extends eastward from downtown Los Angeles to Brea and is composed of three north-dipping segments, the Coyote Hills segment, the Santa Fe Springs segment, and the Los Angeles segment. The Los Angeles segment of this system is located closest to the site. The surface expression is characterized by the Coyote Hills, Santa Fe Springs anticline, and the Montebello Hills. The Santa Fe Springs segment is believed to be the causative fault of the October 1, 1987 Whittier Narrows Earthquake (Shaw, 2002). The Puente Hills Blind Thrust fault is considered an active fault capable of generating future earthquakes beneath the Los Angeles Basin. An average slip rate of 0.7mm per year and a moment magnitude of 7.1 are estimated by the California Geological Survey (2008).

5.4.3 Primary Ground Rupture

Surface fault rupture is ground deformation that occurs along the surface trace of a fault during an earthquake. The Alquist-Priolo Fault Zoning Act (CDMG, 1997) regulates development near active faults so as to mitigate that hazard of surface fault rupture. The California Geological Survey (CGS) defines an active fault as one that has had surface displacement within Holocene time (about the last 11,000 years), and a sufficiently active fault as one that has evidenced of surface displacement along one or more of its segments or branches (CDMG, 1997). The CGS considers a fault to be well defined if its trace is clearly detectable as a physical feature at or just below the ground surface.

There are no known active or potentially active faults with well-defined fault traces delineated by the CGS that have been recognized as crossing or projecting toward the Lincoln HS site (Bryant and Hart, 2007) as shown in Figure 8. The closest mapped earthquake fault (Raymond Hill) with surface rupture to the site is located approximately 2.9 miles (4.7 kilometers) to the north. Because there are no known active faults on or projecting towards the site, the potential for surface fault rupture at the site is considered low.

5.4.4 Ground Lurching

Ground lurching is permanent displacement or shift of the ground in response to seismic shaking. Ground lurching occurs in areas with high topographic relief, and usually occurs near the source of an earthquake, where shaking and permanent ground displacements are highest. These displacements can result in permanent cracks in the ground surface, which are sometimes confused with surface fault ruptures. Cracks from lurching do not extend to great depths, usually only several feet to tens of feet below the ground surface, depending on specific site conditions.

At the Lincoln HS site, we judge that ground lurching does not represent a potential hazard to the existing structures.

5.4.5 Seismic Design Parameters

Although the site could be subject to significant ground shaking in the event of a major earthquake, this hazard is common to southern California, and possible damage caused by shaking can be reduced by proper structural design and construction.

Design spectral accelerations based on a site-specific ground motion study following ASCE 7-10 standard as presented in Appendix C can be used for the Lincoln HS.

5.4.6 Liquefaction

Liquefaction is defined as significant and relatively sudden reduction in stiffness and shear strength of saturated sandy soils caused by a seismically induced increase in pore water pressures. Potential for seismically induced liquefaction exists whenever relatively loose, sandy soils exist with high groundwater level and/or potential for long duration, high seismic shaking.

The California Geological Survey has designated certain areas within California as potential liquefaction hazard zones. These are areas considered at greater risk of liquefaction-related ground failure during a seismic event, based upon mapped surficial deposits and the presence of a relatively shallow groundwater table. Based on the Earthquake Zones of Required Investigation Map for the Los Angeles Quadrangle (CDMG, 1999), the Lincoln HS site is situated within the Liquefaction Hazard Zone as shown in Figure 7.

Due to the predominantly clayey soils, the liquefaction potential at the Lincoln HS site is considered to be low.

5.4.7 Lateral Spread Displacement

According to publications by Bartlett and Youd (1995), conditions such as free-face, sloping ground surfaces and liquefiable layers are factors contributing to lateral spread displacement of the ground during strong motion events. The site has very low susceptibility of liquefaction; therefore, the risk of lateral spread displacement is remote.

5.4.8 Differential Seismically-Induced Settlement

Differential seismic settlement occurs when seismic shaking causes one type of soil to settle more than another type. It may also occur within a soil deposit with relatively homogeneous properties if the seismic shaking is uneven, which could occur due to variable geometry, for example, and variable depth of the soil deposit.

The potential of differential seismically-induced settlement is considered low because of the bedrock and the overlying clayey fills are not subject to seismic settlement.

5.4.9 Earthquake Induced Flooding

Earthquake-induced flooding occurs when nearby water retaining structures, such as dams or storage tanks, are breached or damaged during an earthquake. The site is not currently located within a flood or inundation hazard zone according to the Los Angeles County Safety Element (1990). Based on this information, there appears to be minimal risk of earthquake-induced flooding within the vicinity of the site.

5.4.10 Tsunamis, Seiches and Earthquake Induced Landslides

Other seismic hazards include tsunamis, seiches, and earthquake-induced landslides.

Tsunamis are great sea waves (commonly called a tidal wave) produced by a significant undersea disturbance. Due to the site's distance from the coast, the tsunami hazard potential at Lincoln HS is considered negligible.

A seiche is an oscillation of a body of water in an enclosed or semi-enclosed basin, such as a reservoir, harbor, lake, or storage tank, resulting from earthquakes or other large environmental disturbances. Given its distance to the nearest reservoir, there appears to be little risk of seiche impacting the site.

The potential for landslides induced by seismic shaking is not anticipated to pose a significant seismic hazard to the Lincoln HS site. The Earthquake Zones of Required Investigation map for the Los Angeles Quadrangle indicates that the Lincoln HS site does not lie within areas designated as having the potential for seismically induced landslides as shown in Figure 7 (California Division of Mines and Geology, 1999).

6.0 CONSIDERATIONS FOR EXISTING BUILDINGS

6.1 ASSESSMENT CRITERIA

We understand that applicable data and information contained in this preliminary report will be used by the District's A/E to conduct a preliminary assessment of the existing structures to evaluate their structural performance based on current code design criteria. Depending upon the results of the assessment, it is possible that certain buildings or structures could remain under their current as-built conditions with no need for retrofit. On the other hand, certain buildings and structures could require significant retrofit, or be completely replaced with a new structure. The following should be considered during the preliminary assessment:

1. The design ground motion parameters provided in Appendix C of this report should be used.

2. Based on our preliminary assessment, it is our opinion that the site liquefaction potential is low and we do not anticipate liquefaction to be a design issue due to the predominately clayey nature and consistency of the underlying native soils.

3. According to our limited review of previous design drawings, the existing buildings are supported on spread footings bearing directly on the native alluvial soils or bedrock at a depth of 4 feet below the lowest adjacent grade. A design allowable bearing pressure of 2,000 pounds per square foot was used to size the existing building footings.

4. Settlement of footings under existing loading conditions is considered to be complete due to the age of the structures. However, imposing additional load on the existing footings would result in increased soil bearing pressure (currently at 2,000 psf) that would typically result in new, additional foundation settlement.

For any building retrofit that involves imposing additional loads on the existing footings, or substantially increasing the footing width, additional footing settlement and differential settlement should be anticipated. Discussion related to this scenario is provided in Section 7.0 of this report.

We understand that if retrofit options are deemed not feasible, the District might consider design and construction of new structures altogether. Under this scenario, conventional site preparation involving demolition of existing structures will be necessary. Significant grading could be required depending upon the final building layouts and design finished grade elevations as determined by the A/E. Discussion related to this scenario is provided in Section 8.0 of this report.

6.2 SPECIFIC CONDITIONS UNDER MAJOR BUILDINGS

Specific conditions at each major building location that should be taken into account for either retrofit or new construction are discussed in the following subsections.

6.2.1 Auditorium

The Auditorium is located along the southwest corner of the campus. It consists of a rectangular-shaped building with a total footprint area of approximately 14,000 square feet. The closest borings to the Auditorium are B-09 and B-10. Based on these borings, the building is expected to be directly underlain by alluvium consisting primarily of silty clay. The thickness of the alluvium under the footings is expected to vary from about 25 to 80 feet, from east to west, respectively. Groundwater was encountered at about 58 feet bgs in the adjacent borings.

6.2.2 Home Economics Building

The Home Economics (HE) Building is located in the southeast corner of the main campus. It is an L-shaped building with a total footprint area of approximately 23,500 square feet. The closest borings to the HE Building are B-06, B-07, B-08, and B-11. Based on these borings, the building is expected to be directly underlain by alluvium consisting primarily of silty clay. The thickness of the alluvium under the footings is expected to vary from about 30 to 90 feet from east to west, respectively. Groundwater was encountered at about 54 feet bgs in the adjacent borings.

6.2.3 Administration Building

The Administration (Admin) Building is located near the center of the main campus. It is a U-shaped building with a total footprint area of approximately 35,000 square feet. The closest borings to the Admin Building are B-02, B-03, B-05, B-06 and B-07. Based on these borings, the Admin Building is expected to be directly underlain by alluvium consisting primarily of clay, except for the northerly portion of the west wing which is suspected to be bearing directly on the Puente Formation bedrock.

The thickness of the alluvium under the footings is expected to vary from about 60 feet along the east wing to about 80 feet along the Southern side. The alluvium thins to the North under the West Wing of the building from about 35 feet in thickness.

Groundwater was encountered at about 38 feet bgs in the adjacent borings.

6.2.4 Shop Building

The Shop Building is located in the Northeast corner of the main campus. It is a rectangular building with a total footprint area of approximately 24,000 square feet. Borings B-07 and B-03 provide the best approximation of the subsurface conditions beneath the Shop Building. Based on the borings, the Shop Building is expected to be directly underlain by alluvium consisting primarily of clay. The thickness of the alluvium under the footings is expected to vary from about 65 feet to about 80 feet. Groundwater was encountered at about 38 feet bgs in the adjacent borings.

6.2.5 Physical Education Building

The PE Building is located on the east side of Lincoln Park Avenue and at an elevation of about +447 feet MSL. It is a rectangular shaped building with a total footprint area of approximately 8,500 square feet. Borings B-12, B-13 and B-14 are the closest borings to the PB Building. Based on the adjacent borings and previous logs of test pits (Geotechnologies, 2010) the PE Building is expected to be immediately underlain by siltstone and claystone beds of the Puente Formation. Groundwater was not encountered in any of the adjacent borings to the maximum depths drilled.

7.0 RETROFIT OPTIONS

According to the original design drawings, the existing buildings are supported on spread footings and reportedly bearing directly on the native alluvial soils or bedrock at a depth of 4 feet below the lowest adjacent grade. It should be noted that URS is not able to verify the above information as part of our current study. Actual footing dimensions should be confirmed by others. Also the assumed subsurface conditions under each building are based on borings drilled outside the buildings. It is possible that conditions could vary between boring locations.

7.1 ESTIMATED SETTLEMENTS FOR RETROFIT OPTIONS

Since the thickness and consistency of the underlying clay soils generally vary between different buildings within the campus, estimated settlements under the different loading conditions would also vary. Preliminary estimates of settlement under each building are provided in Table 2 for retrofit-related load increases of 50% up to 100%. Interpolation may be used for intermediate loading conditions. These estimates assume that the existing footing is structurally adequate to carry the additional loads.

Table 2 Estimated Settlements for Retrofit Options

Building ID	Material Under Footing	Footing Load	Estimated Settlement (inch)
Auditorium	Alluvium	Existing	0
		50%	0.5
		100%	0.9
Home Economics Building	Alluvium	Existing	0
		50%	0.5
		100%	0.9
Administration Building	Alluvium / Bedrock	Existing	0
		50%	0.5 / 0.1
		100%	0.9 / 0.2
Shop Building	Alluvium	Existing	0
		50%	0.5
		100%	1.0
Physical Education Building	Bedrock	Existing	0
		50%	0.1
		100%	0.2

7.2 ENLARGED FOOTINGS

7.2.1 Allowable Bearing Pressure

If practical, enlarged spread and continuous footings with a maximum allowable bearing pressure of 2,000 psf may be used. On a preliminary basis, the new, enlarged portions of the footings should be provided with engineered fill to a depth equal or greater than half the footing width. This is necessary in order to achieve stiffness compatibility under the enlarged portion of the footing and to achieve uniform settlement. Temporary shoring or slot cutting techniques might be required to facilitate the soil excavation and backfill.

The allowable bearing pressure is a net value. Therefore, the weight of the footing and the backfill over the foundation may be neglected when computing dead loads. The bearing pressure applies to dead and live load and includes a factor of safety of at least 3 against bearing failure. The allowable pressure may be increased by 33 percent for short-term loading due to wind or seismic forces.

7.2.2 Lateral Resistance

Resistance to lateral loads may be provided by frictional resistance between the bottom of concrete footings and the underlying soils and by passive soil pressure against the sides of the footings. The coefficient of friction between poured-in-place concrete footings and the underlying native soils may be taken as 0.3. Passive pressure available in in-situ soils may be taken as equivalent to the pressure exerted by a fluid weighing 200 pounds per cubic foot (pcf). The passive earth pressure should be limited to 2,000 psf. The above-recommended values include a factor of safety of at least 1.5; therefore, frictional and passive pressure resistance may be used in combination without reduction.

8.0 NEW CONSTRUCTION

8.1 GENERAL

In the event that complete replacement of the existing buildings becomes necessary, it is our opinion that the overall site conditions are generally favorable for support of new school buildings on shallow foundations. In general new buildings could be on-grade or could include a subterranean level.

For much of the campus west of Lincoln Park Avenue, the existing soils include surficial fills placed as part of the original campus development, underlain by competent alluvium with variable thickness up to 80 feet. The clayey alluvium is in turn underlain by competent bedrock of the Puente Formation. Within the alluvium materials, buildings with a subterranean level should be feasible.

At the site of the PE Building along the east side of the campus, weathered Puente Formation bedrock is exposed immediately at the surface. Due to presence of firm bedrock materials and associated excavation challenges, subterranean level construction could be difficult.

In order to achieve uniform support conditions for the new structures (structures without basements), we recommend overexcavation and recompaction of all existing fill soils and replacement of these soils as engineered fill. Clayey soil conditions are anticipated and to the extent possible, these soils can be reused for general site grading to minimize exportation. However, it is not desirable to place new foundations and slab-on-grade directly on these soils. Therefore, grading provisions should include placement of a minimum 12 inches of granular structural fill directly under all slabs-on-grade and pavements.

The most significant geotechnical issues that will affect the design and construction of the new structures are as follows:

- The existing undocumented fill soils encountered in the borings and surrounding most of the existing buildings are not considered to be suitable for direct support of foundations or floor slabs in their current state. To provide uniform support for new improvements, we recommend that these materials be removed and replaced as properly compacted fill.

- Due to their clayey nature, the upper soils are generally moist to very moist, with wet soils encountered at localized areas in the upper 5 feet. Heavy, rubber-tired equipment may cause pumping or yielding of the subgrade.

- Moisture conditioning (drying) of the upper soils may be required prior to reusing the over-optimum on-site soils as properly compacted fill. In addition, localized areas of subgrade soils may require drying or stabilization to achieve the required degree of compaction to support additional fill soils or flatwork.

- The clayey alluvium, including claystone and siltstone bedrock of the Puente Formation are moderately to highly expansive, and are expected to shrink and swell with changes in moisture content. As such, these soils are not considered suitable for use as retaining wall backfill or direct support of building floor slabs and hardscape. In addition, the on-site clayey soils may require moisture conditioning when being placed as compacted fill, and should not be allowed to dry-out prior to covering.

- Corrosivity testing performed on samples provided from our borings indicates negligible levels of soluble sulfate content with respect to concrete. These soils are also considered to be corrosive to severely corrosive to ferrous metals.

8.2 SITE PREPARATION

8.2.1 General Requirements

Prior to general site grading, any debris, existing buildings, pavements, rubble, existing undocumented fill, or vegetation should be removed and disposed of outside the construction limits. All active or inactive utilities within the construction limits should be identified for relocation, abandonment, or protection prior to grading. Any pipes greater than 2 inches in diameter to be abandoned in-place should be filled with a sand/cement slurry. The adequacy of existing backfill around utilities to remain in place under new structures should be evaluated; loose or dumped trench backfill should be removed and replaced with properly compacted backfill.

Following site stripping and any required overexcavation, we recommend that all areas to receive fill or to be used for the future support of structural loads, be proofrolled with a rubber-tired loader or other heavy equipment to locate any soft or loose zones. All loose/soft or otherwise unsuitable

areas should be removed or compacted in-place. No fill should be placed over loose, pumping or unstable subgrade. If the disturbed zone is greater than about 12 inches in depth, in-place compaction will be difficult, and additional over-excavation and compaction will be needed. Upon completion of proofrolling and any required overexcavation, fills and backfills may be placed in accordance with the recommendations presented in the following sections.

8.2.2 Proposed Building Areas

All existing fills within proposed building footprints should be removed and replaced with engineered fill as appropriate. No existing fill shall be left in place.

For planning and estimating purposes, the bottom of excavated plane (BEP) should be a minimum of 1 foot below the bottom of existing footings. Additional removals beyond the BEP may be necessary depending upon the level of ground disturbance from the site demolition activities. All removals should extend a minimum 5 feet beyond the edge of the footings or equal the depths of removals whichever is greater.

For any new structure including subterranean structure, provide a minimum 1 foot of granular engineered fill under all slabs and pavements (see Section 8.1 for details). All removals should extend 3 to 5 feet laterally, beyond the edge of the footing.

8.2.3 Proposed Playground and Non-Building Areas

All existing fills within the proposed non-building areas should be removed and replaced with engineered fill as appropriate. Unless required otherwise, all fills and backfills within these areas may be compacted to at least 90 percent relative density.

8.3 EARTHWORK

8.3.1 Compaction Criteria

The compaction criteria will depend on the specific loading conditions anticipated. In general, all fills and backfills should be compacted to the minimum requirements of the California Building Code unless specifically recommended.

Fills and backfills should be placed in loose lifts not exceeding 6 to 8 inches in loose thickness and moisture conditioned as required to achieve near-optimum or above moisture content. All fills and backfills should be compacted using mechanical compaction equipment. All granular fills and backfills providing structural support should be compacted to at least 95 percent of the maximum dry density per ASTM D-1557. Unless required otherwise, predominately clayey on-site soils may be compacted to 90 percent.

The above criteria apply for all fills and backfills providing passive resistance for footings and pile caps, as well as support for pavements and slabs-on-grade.

Secondary and non-structural fills such as athletic fields and landscaped areas may be compacted to at least 90 percent.

8.3.2 On-Site Sources

Most of the native materials to be excavated would comprise generally of predominantly clayey soils that may be re-used during site grading provided they can be readily compacted to the minimum required compaction in this report. If high moisture contents are encountered, compaction in clayey soils will be difficult. This condition needs to be taken into account when planning any significant grading activities using the on-site clayey soils.

8.3.3 Import Materials Criteria

All imported fill and backfill soils for structural use should be predominantly granular, non-expansive, less than 3 inches in any dimension, free of organic and inorganic debris and containing non-plastic fines not exceeding 35% passing the #200 sieve. All fill and backfill materials should be observed and tested by the geotechnical engineer prior to their use in order to evaluate their suitability.

8.4 TEMPORARY EXCAVATIONS

All excavations should comply with the current California and Federal OSHA requirements, as applicable. All cuts greater than 5 feet in depth should be sloped and/or shored. Temporary excavations should be no steeper than 1(h):1(v), up to a maximum depth of 15 feet below surrounding grade. Flatter slopes will be required if clean and/or loose sandy soils are encountered along the slope face. Steeper cuts may be utilized for cuts less than 5 feet deep depending on the strength and homogeneity of the soils as observed in the field.

During wet weather, runoff water should be prevented from entering the excavation, and collected and disposed of outside the construction limits. To prevent runoff from adjacent areas from entering the excavation, a perimeter berm should be constructed at the top of the slope. Heavy construction equipment, building materials, excavated soil stockpiles and vehicle traffic should not be allowed near the top of the slope within a horizontal distance equal to the depth of the excavation.

8.5 SHALLOW FOUNDATIONS

Spread and continuous footings established on engineered fill, or native alluvium or bedrock, prepared in accordance with the preceding recommendations, may be used for support of new school buildings.

Allowable bearing pressures of 2,000 psf and 4,000 psf may be used; 2,000 psf for footings on firm alluvium, and 4,000 psf for footings bearing on engineered fill or bedrock.

Footings should be a minimum of 2 feet wide and established at a depth of at least 2 feet below the lowest adjacent finished grade. The allowable bearing pressure is a net value. Therefore, the weight of the footing and the backfill over the foundation may be neglected when computing dead loads. The bearing pressure applies to dead and live load and includes a factor of safety of at least 3 against bearing failure. The allowable pressure may be increased by 33 percent for short-term loading due to wind or seismic forces.

All interior or exterior footings should be a minimum of 2 feet wide and established at a minimum depth of 2 feet below the lowest adjacent final grade. The allowable bearing pressures are net values. Therefore, the weight of the foundation and the backfill over the footing may be neglected when computing dead loads. The bearing pressure applies to dead plus live loads and includes a calculated factor of safety of at least 3. The allowable bearing pressure value may be increased by one-third for short-term loading due to wind or seismic forces.

8.5.1 Lateral Resistance

Resistance to lateral loads may be provided by frictional resistance between the bottom of concrete footings and the underlying soils and by passive soil pressure against the sides of the footings. The coefficient of friction between poured-in-place concrete footings and the underlying native soil or compacted granular soils may be taken as 0.3 and 0.4, respectively. Passive pressure available in native soil and compacted fill may be taken as equivalent to the pressure exerted by a fluid weighing 200 and 250 pounds per cubic foot (pcf), respectively. The passive earth pressure should be limited to 2,500 psf. The above-recommended values include a factor of safety of at least 1.5; therefore, frictional and passive pressure resistance may be used in combination without reduction.

8.5.2 Estimated Settlements

Total static settlements of footings established in engineered fill, alluvium or bedrock, designed per the above bearing values are summarized in Table 3 for anticipated foundation sizes. For estimating purposes, estimates are provided for minimum 5 feet of engineered fill under the footings if it is desired to limit total and differential settlements. The engineered fill should consist predominately granular fill compacted to at least 95 percent of the maximum dry density per ASTM D-1557.

Table 3 Estimated Foundation Settlements

Support Conditions	Alluvium	Bedrock	Alluvium with 5 Feet of Engineered Fill
Allowable Bearing Pressure	2,000 psf	4,000 psf	2,000 psf
Foundation Size	**Estimated Settlements (inches)**		
2’ x 2’	0.5	0.5	0.2
3 x 3’	0.9	0.75	0.4

Support Conditions	Alluvium	Bedrock	Alluvium with 5 Feet of Engineered Fill
4 x 4'	1.5	1.0	0.8
5 x 5'	2.0	1.1	1.2
6 x 6'	2.5	1.2	1.5

Static differential settlement may be taken as half of the total static settlement. Static settlement of spread footings should be essentially complete upon initial application of the loads.

8.6 SLABS-ON-GRADE

All building slabs-on-grade should be supported on a minimum 12 inches of granular fill placed in accordance with the preceding recommendations and compacted to 95 percent relative density. This required thickness of structural fill shall be accounted for during site preparation grading activities.

A moisture barrier is recommended under all floor slabs to be overlain by moisture-sensitive floor covering. For design of slabs and rigid pavements and for estimating their deflections, a modulus of subgrade reaction (k) of 200 pounds per square inch per inch deflection (pci) may be used.

8.7 LATERAL EARTH PRESSURES

8.7.1 Static Lateral Pressures

Walls should be designed to resist the earth pressure exerted by the retained soils, plus any additional lateral forces that will be applied to the walls due to surface loads placed at, or near the top, those due to potential ground water build-up and seismic loads. Adequate provisions are required to counteract the effects of hydrostatic pressure, as recommended previously. Free-draining backfill should be used behind portions of walls above the design ground-water level. Provisions should be made to collect and dispose of water that may accumulate behind the walls.

The at-rest earth pressure against walls with a level-backfill that are restrained at the top can be taken as equivalent to the pressure exerted by a fluid weighing 60 pcf. Fifty percent of any uniform areal surcharge placed at the top of a restrained wall will act as a uniform horizontal pressure over the entire height of the wall.

Walls that are not restrained at the top may be designed for an active earth pressure developed by an equivalent fluid weighing 40 pcf. Forty percent of any uniform surcharge will act as a uniform horizontal pressure over the entire height of the wall.

The above lateral earth pressures do not include any hydrostatic pressure. Therefore, wall backfill should be free draining and provisions should be made to collect and dispose of water that may

accumulate behind the walls. Light equipment should be used during backfill compaction to avoid possible overstressing of walls.

8.7.2 Seismic Lateral Pressure

For vertical cantilever retaining walls with a level backfill, the corresponding seismic lateral pressure based on the design earthquake may be taken as an inverted triangular pressure distribution with a maximum pressure at the bottom equal to 45H (with H being the height of the wall in feet). The seismic lateral force may be assumed to act at 2/3H above the wall base. The seismic pressure should be superimposed on the static design load.

8.8 LIGHTLY LOADED FOUNDATIONS

Shallow foundations established on native soils or engineered fill may be used for support of light, non-building foundations such as trash enclosures, fence walls, and smaller planter walls. These footings may be a minimum of 1 foot wide and established at a minimum depth of 1 foot below the lowest adjacent final grade. An allowable bearing pressure of 1,500 pounds per square foot (psf) may be used for spread footings with the above minimum dimensions. Footing excavations shall be inspected and approved by the Geotechnical Engineer prior to placement of steel and concrete.

8.9 CAST-IN-DRILLED-HOLE PILES FOR LIGHT POLES

Cast-in-drilled-hole piles (CIDH piles) with a minimum diameter of 24 inches may be used for support of proposed light poles at the project. CIDH piles should be embedded at least 10 feet below existing grade. The parameters presented in Table 4 may be used for design of the light poles.

Table 4 Parameters for Design of Light Poles

Design Parameters	Recommended Values
Allowable Bearing Capacity	1,500 psf
Lateral Bearing Capacity (for Light Poles)	250 psf/ft, Maximum lateral resistance is limited to 2,500 psf.
Lateral Sliding Resistance	0.25

Concrete should be placed after completion of the drilling of each pile. Excavations should not be allowed to stand open overnight. A minimum of 8 hours should be allowed between concrete placement in one shaft before drilling an adjacent shaft within 5 diameters center-to-center. Loose soils and water at the bottom of the drilled holes should be removed to the extent possible. All drilled pile construction should be performed in accordance with the latest edition of ACI 336.1, "Standard Specifications for Construction of Drilled Piles." Care shall be exercised in the last few feet of drilling in order not to loosen the surrounding soil. Loose soils at the bottom of the drilled holes should be removed to the extent possible.

8.10 CONCRETE FLATWORK/HARDSCAPE AND SIDEWALKS

To provide uniform and adequate support, concrete flatwork/hardscape and sidewalk should be underlain by at least 1-foot of granular fill compacted to 95 percent of the maximum dry density per ASTM D1557.

The typical concrete flatwork section should be a minimum of 4 inches thick, underlain by at least 1 foot of granular fill compacted to 95 percent relative density. This concrete section should be reinforced with No. 4 bars spaced at 16 inches on-center each way. Construction joints should be provided at no less than 10 feet spacing at either direction. The structural engineer's requirements should be followed if they are more stringent. For design of concrete flatwork, and for estimating their deflections, a modulus of subgrade reaction (k) of 150 pounds per square inch per inch of deflection (pci) may be used.

8.11 ASPHALTIC CONCRETE PAVEMENTS

To provide uniform and adequate support, all surface pavement areas should be underlain by at least 12 inches of granular fill compacted to 95 percent relative density. Compacted aggregate base qualifies as granular fill.

Assuming a subgrade with a minimum R-value of 6 (GPI, 2016), the recommended minimum thickness of flexible pavements for Traffic Index (TI) values of 4.0, 5.0 and 6.0 are provided in Table 5 below:

Table 5 Pavement Design Recommendations

Traffic Description	Traffic Index (TI)	Pavement Section (inches)	
		Asphaltic Concrete	CAB (R-value = 78)
Drive/Parking Areas	4 and 5	3	10
Occasional Fire Truck	6 and 7	4	12

Crushed aggregate base (CAB) should satisfy the specifications contained in "Standard Specification for Public Works Construction", for gradation and should have a minimum R-value of 78. All gradation and R-value should be confirmed by the geotechnical engineer during construction. All base materials should be compacted to a minimum of 95 percent of the maximum dry density per ASTM D-1557.

Pavement adjacent to the building should be sloped away from the buildings in all directions and ponding of water should not be allowed. Asphalt should be graded to direct surface water toward the street or, preferably, toward suitable catchments devices, which should be appropriately designed and maintained.

It should be noted that the above recommendations apply to parking lot, driveway and street areas only. Loading docks and trash enclosures should be paved with Portland cement concrete pavement. We recommend that the section consist of a minimum of 6 inches of reinforced Portland cement concrete over 4 inches of Caltrans Class 2 Base with a minimum R-value of 78. The base should be compacted to at least 95 percent of the maximum dry density per ASTM D-1557.

8.12 SEISMIC DESIGN PARAMETERS

8.12.1 California Building Code (2016 CBC)

The site coordinates assumed to determine the site seismic design parameters are North 34.074773 and West 118.203312. These coordinates were also assumed in the PSHA. For determination of the site coefficients, a Site Class D may be assumed to represent the upper 100 feet of subsurface conditions. The seismic design parameters for the project in accordance with the Section 1613A of CBC 2016 are presented in Table 6:

Table 6 Seismic Design Parameters – CBC 2016

Column heading	
Site Class	D
S_s - mapped spectral acceleration at short periods (g)	2.670
S_1 - mapped spectral acceleration at 1-second period (g)	0.928
F_a - site coefficient	1.0
F_v - site coefficient	1.5
S_{MS} - risk-targeted maximum considered earthquake (MCE_R) spectral acceleration at short periods (g)	2.670
S_{M1} - MCE_R spectral acceleration at 1-second period (g)	1.393
S_{DS} - design spectral acceleration at short periods (g)	1.780
S_{D1} - design spectral acceleration at 1-second period (g)	0.928
PGA – mapped maximum considered earthquake geometric mean (MCE_G) peak ground acceleration (g)	1.017

Note:
ASCE 7-10 mapped values for 2 percent probability exceedance in 50 years.

8.12.2 Site Specific Ground Motion Study

Alternately, design spectral accelerations based on the site-specific ground motion study following ASCE 7-10 standard, as presented in Appendix C, can be used for the project.

8.13 CORROSIVITY

Corrosivity tests were performed on soil samples collected from current boring drilled in 2015 to evaluate if special precautions or considerations should be made with respect to materials in contact with onsite soils. Specifically, the soil samples were tested to assess corrosivity potential, which include pH, resistivity, sulfate and chloride content. The test results are summarized in Table 7.

Table 7 Results of Corrosivity tests

Boring	Depth (feet)	Material	pH	Minimum Resistivity (Ohm-cm)	Sulfate Content (% by weight)	Chloride Content (ppm)
B-03	0 to 5	CLAY (CL)	8.35	1020	0.006	125
B-06	0 to 5	CLAY (CL)	7.67	1100	0.006	145

Notes:
Caltrans (Caltrans, 2012) considers a site to be corrosive to foundation elements if one or more of the following conditions exist:

1) Chloride concentration is greater than or equal to 500 parts per million (ppm).
2) Sulfate concentration is greater than or equal to 0.2% by weight.
3) pH is 5.5 or less.

A commonly accepted correlation between electrical resistivity and corrosivity potential for ferrous metals is as the following:

Below 1,000 ohm-cm	-	Severely corrosive
1,000 to 2,000 ohm-cm	-	Corrosive
2,000 to 10,000 ohm-cm	-	Moderately corrosive
Over 10,000 ohm-cm	-	Mildly corrosive

The minimum resistivity test result indicates that the surface soils may be corrosive to metals.

The current 2016 CBC stipulates that corrosion potential to the foundation element is to be evaluated in accordance with the design procedure following American Concrete Institute (ACI) 318 (ACI, 2011). Based on the test results of corrosion potential, the site is classified as exposure class F0, S0, P0, and C1 using ACI 318 Table 4.2.1. Accordingly, the concrete mixture may be designed per ACI 318 Table 4.3.1. In addition, a minimum concrete cover of 3 inches should be maintained to provide reinforcement protection in accordance with ACI 318, Section 7.7.1.

9.0 BMP FEASIBILITY SCREENING

A preliminary BMP feasibility screening was conducted based on the 'Development Best Management Practices Handbook, Part B Planning Activities, 4th edition, adopted by the City of Los Angeles, Board of Public Works on July 1, 2011 as authorized by Section 64.72 of the Los Angeles Municipal Code approved by Ordinance No. 173494.

Considering that the historically-high groundwater level at the site is about 20 feet below existing grade, any proposed BMPs would be limited to within the upper 15 feet. However, the on-site materials in the upper 15 feet comprise predominately clayey soils and bedrock with estimated infiltration rates less than 0.3 in/hr and with little connectivity to higher K_{sat} soils. As such, infiltration practices might not be feasible at the site.

10.0 DESIGN REVIEW

We recommend that the geotechnical aspects of the project be reviewed by the geotechnical engineer during the design process. The scope of services may include assistance to the design team in providing specific recommendations for special cases, reviewing the foundation design and evaluating the overall applicability of the recommendations presented in this report, reviewing the geotechnical portions of the project for possible cost savings through alternative approaches and reviewing the proposed construction techniques to evaluate if they satisfy the intent of the recommendations presented in this report.

11.0 CONSTRUCTION MONITORING

All earthwork and foundation construction should be monitored by a qualified engineer/technician under the supervision of a geotechnical engineer, including:

- Site preparation - site stripping, removal of subsurface structures, overexcavation, and recompaction;
- All foundation excavations;
- Placement of all compacted fills and backfills; and
- Construction of slab and pavement subgrades.

The geotechnical engineer should be present to observe the soil conditions encountered during construction, to evaluate the applicability of the recommendations presented in this report to the soil conditions encountered, and to recommend appropriate changes in design or construction if conditions differ from those described herein. The geotechnical engineer should inspect and approve all imported backfill material prior to its placement as backfill, approve the subgrade beneath all fills, fill placement and bottom of all foundation excavations before concrete or steel is placed.

12.0 LIMITATIONS

URS Corporation warrants that our services have been performed within the limits prescribed by our clients, with the usual thoroughness and competence of the geotechnical engineering profession in Southern California at this time. No other warranty or representation, express or implied, is included or intended in this report. This report has not been prepared for other parties and may not contain sufficient information for other purposes or other users.

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FIGURES

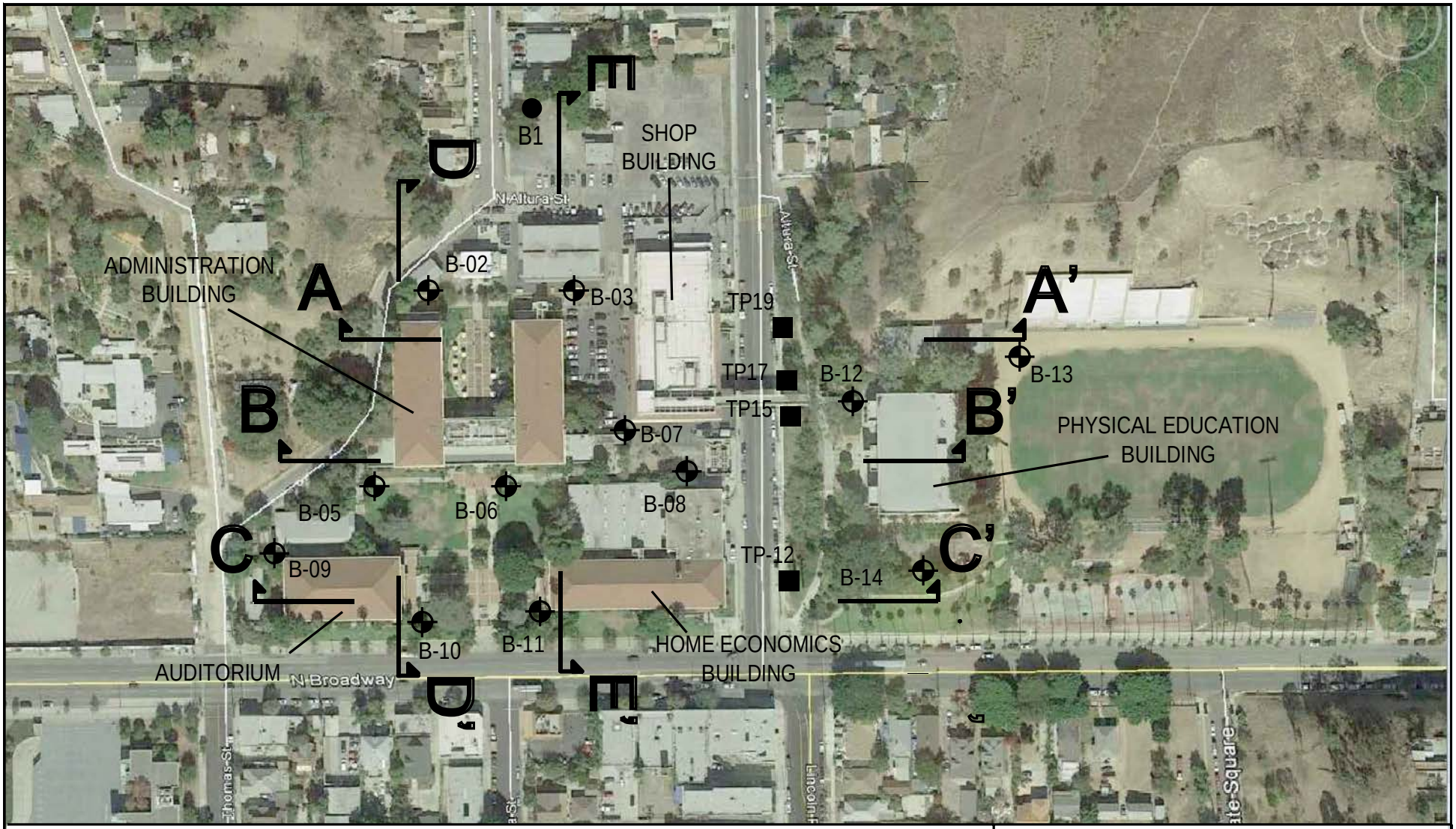
VICINITY MAP

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway, Los Angeles, CA 90031
FOR: Los Angeles Unified School District

URS

FIGURE 1

Reference: USGS, US Topo, Los Angeles Quadrangle, California-Los Angeles Co., 7.5 - Minute Series, 2015.



N

0' 200'

SCALE: 1" = 200'

LEGEND

B-01 Boring Location and Designation (AECOM, 2017)

B1 Previous Boring (GPI, 2016)

TP12 Previous Test Pit (Geotechnology, 2006)

A-A' Cross Section

URS

PLOT PLAN

Project No.: 60541120

Project: Lincoln High School Preliminary Geotechnical Investigation

Date: April 2017

Figure: 2

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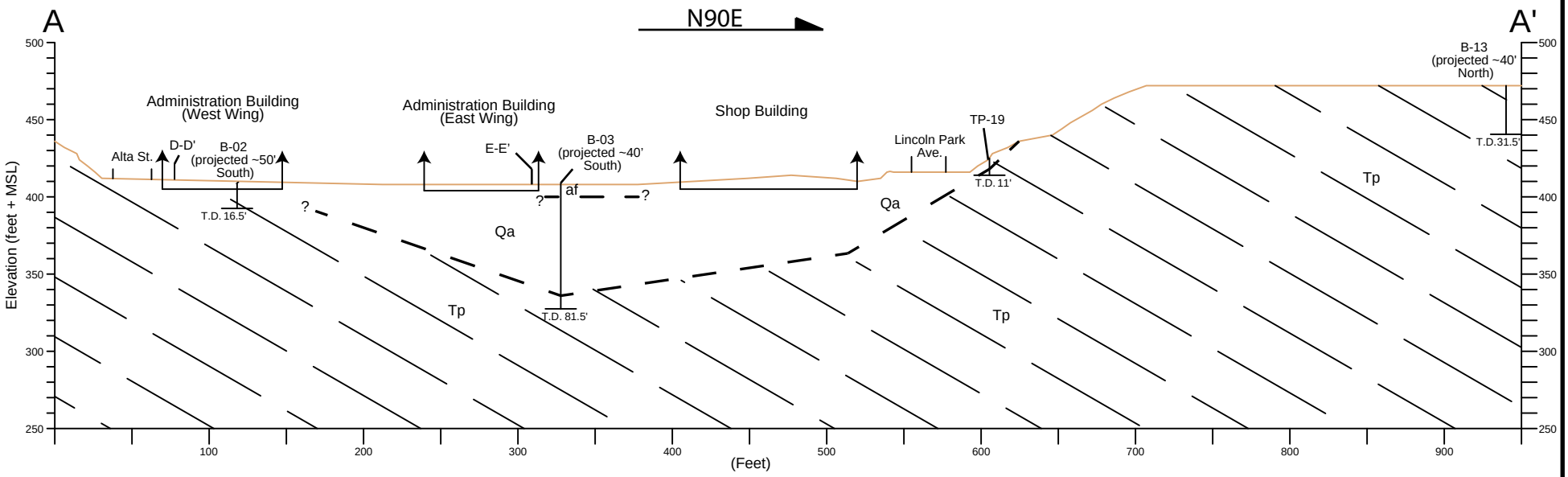
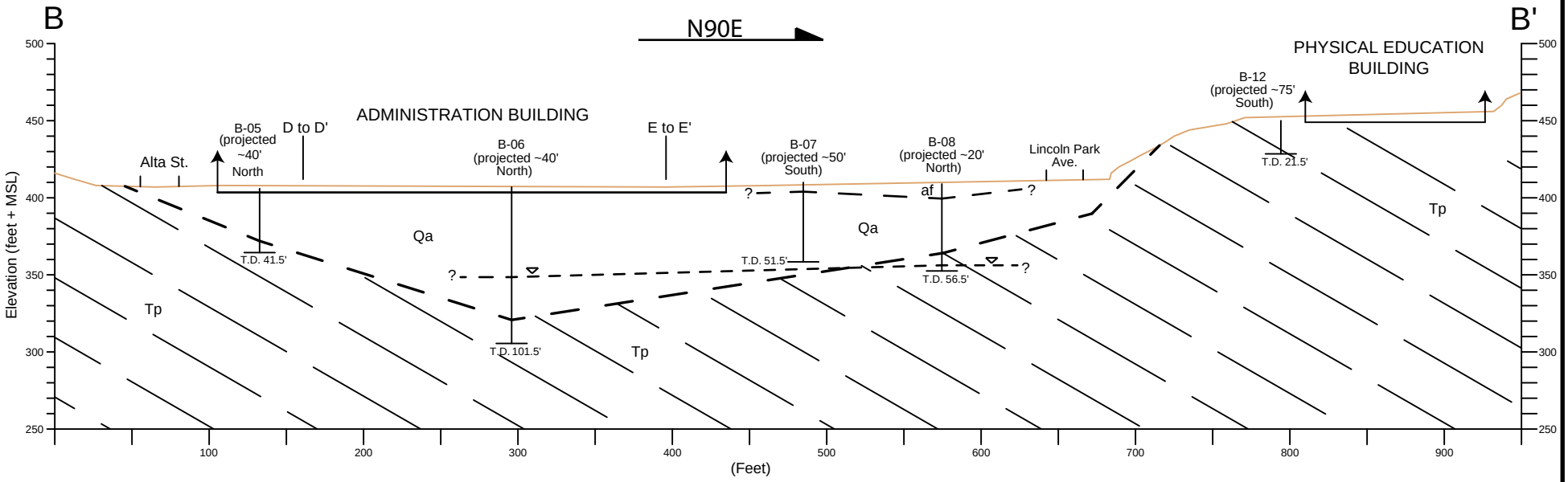




Geologic Units:

af	Artificial Fill		
Qa	Alluvium	B-01	AECOM (2017) Hollow Stem Auger Boring
Tp	Puente Formation	TP-1	Geotechnology (2006) Test Pit

0′ 100′

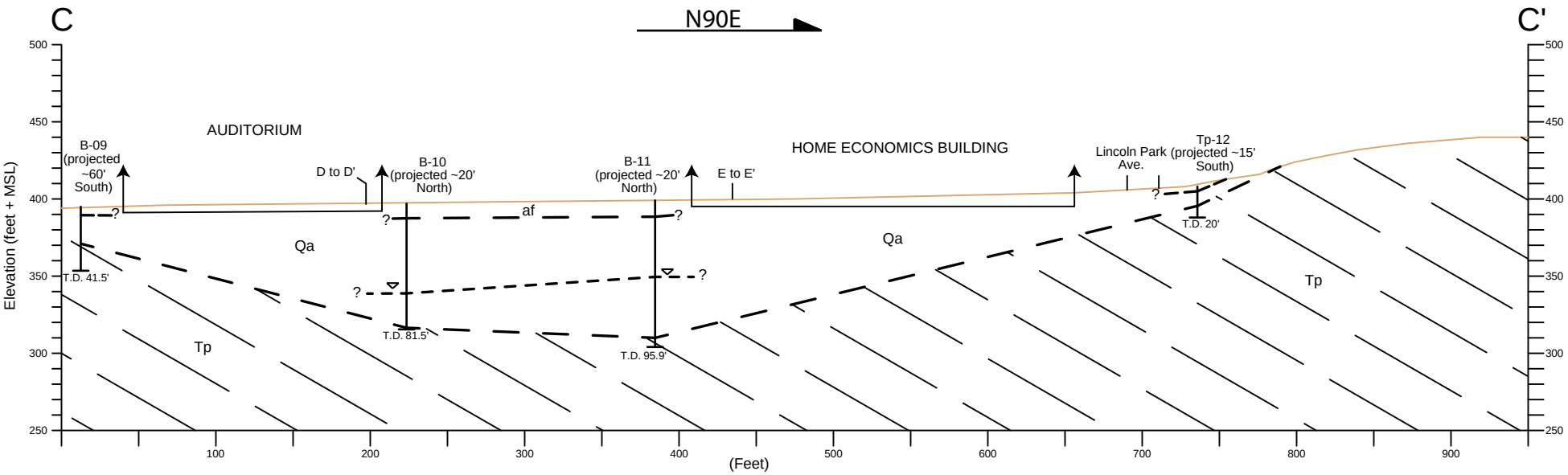
V = H

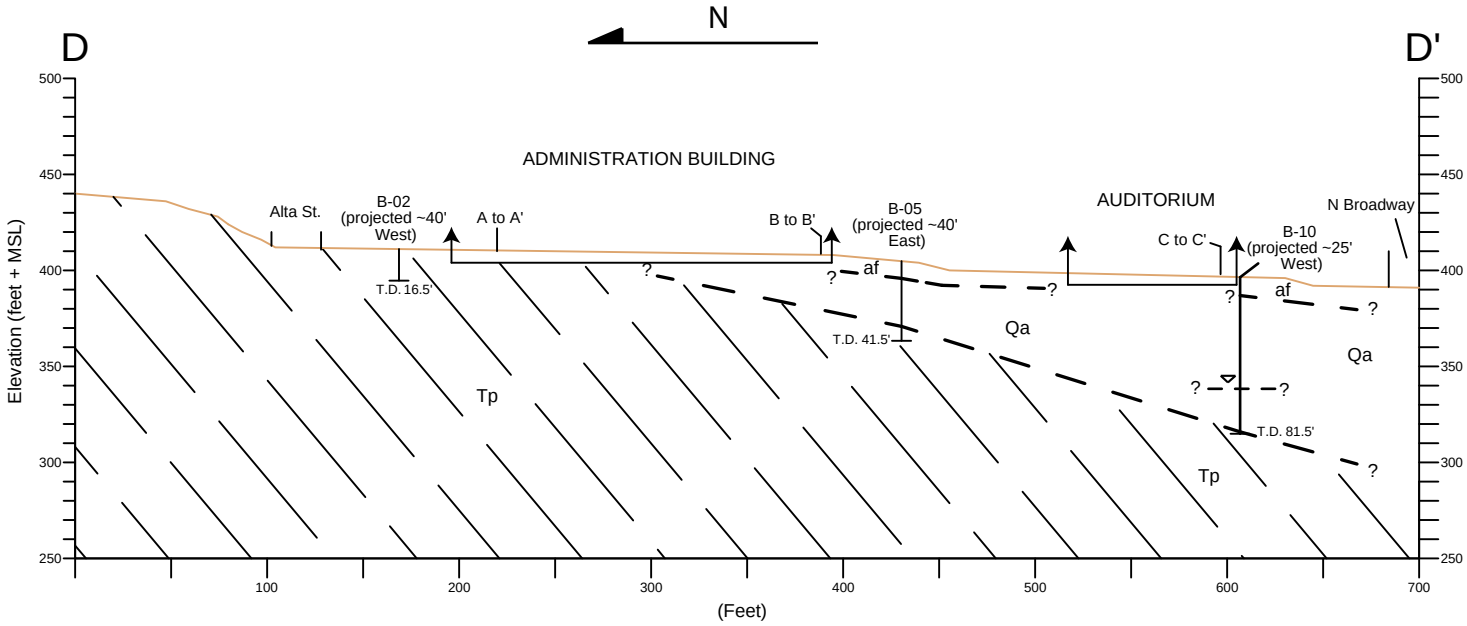
URS

GEOLOGIC CROSS SECTIONS A-A' & B-B'

Proj. No.: 60541120
Project: Lincoln High School
Preliminary Geotechnical Investigation

Date: APR 2017
Figure: 3





Geologic Units:

af	Artificial Fill		
Qa	Alluvium	B-01	AECOM (2017) Hollow Stem Auger Boring
Tp	Puente Formation	TP-1	Geotechnology (2006) Test Pit

0′ 100′

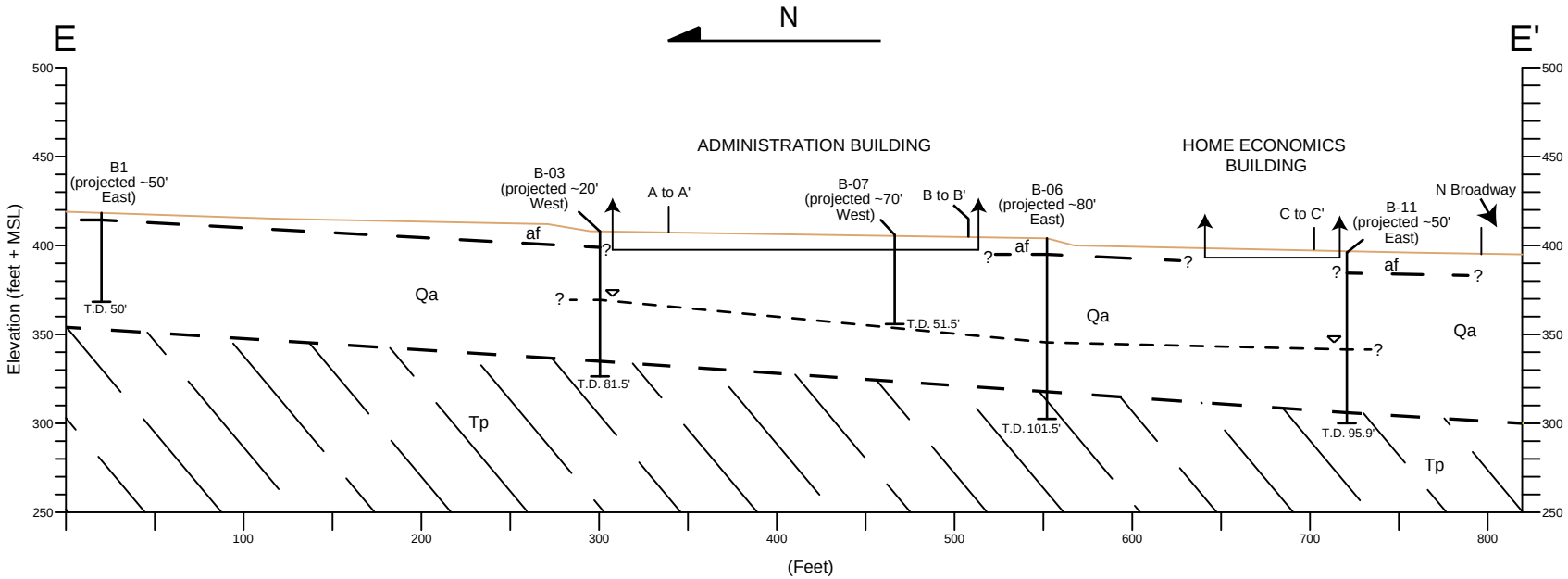
V = H

URS

GEOLOGIC CROSS SECTIONS
C-C' & D-D'

Proj. No.: 60541120
Project: Lincoln High School
Preliminary Geotechnical Investigation

Date: APR 2017
Figure: 4



Geologic Units:

af	Artificial Fill
Qa	Alluvium
Tp	Puente Formation

⊥ B-01 AECOM (2017) Hollow Stem Auger Boring

⊥ B1 GPI (2016) Boring

0′ 100′

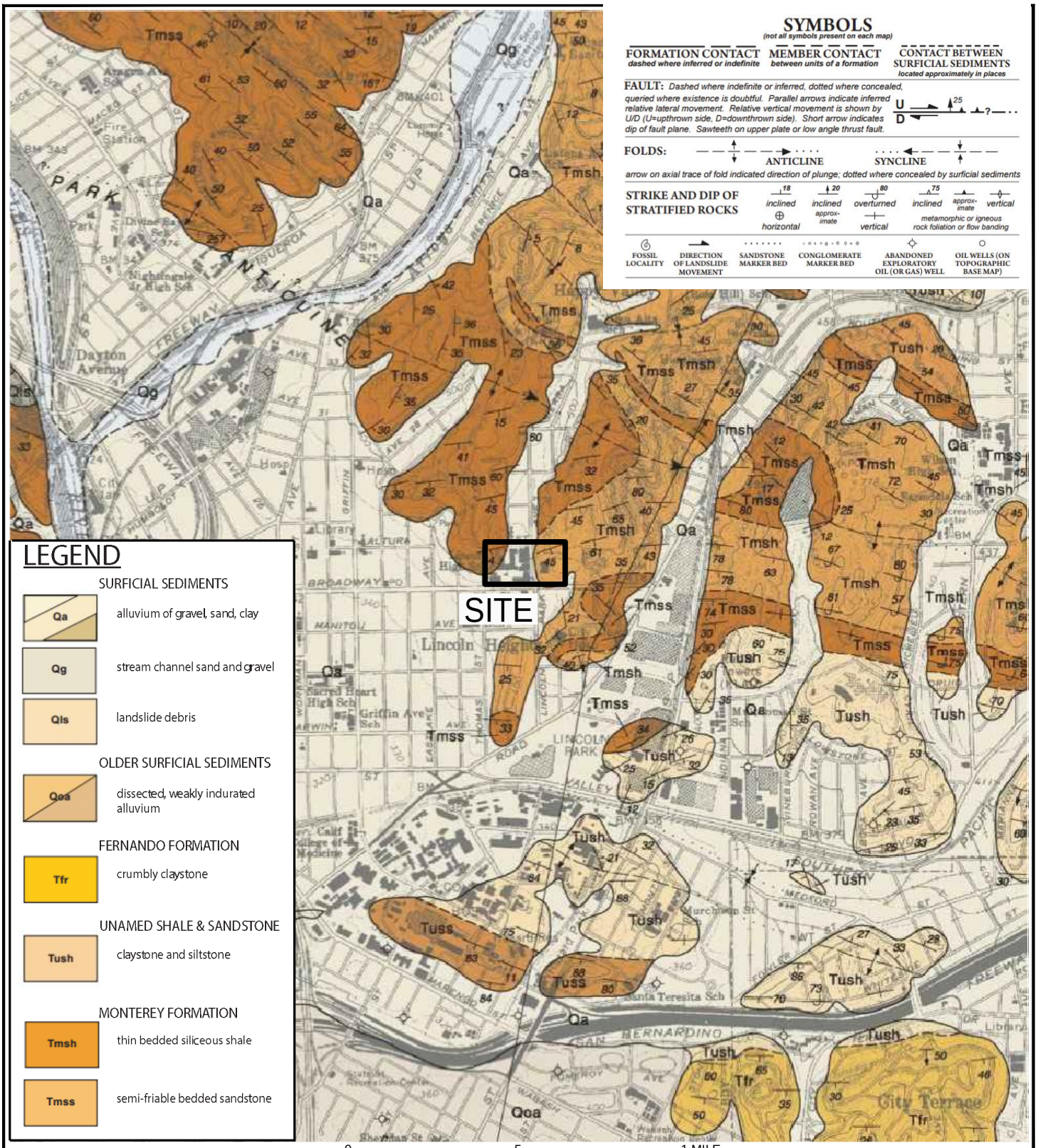
V = H

URS

GEOLOGIC CROSS SECTIONS E-E'

Proj. No.: 60541120
Project: Lincoln High School Preliminary Geotechnical Investigation

Date: APR 2017
Figure: 5



SITE GEOLOGIC MAP

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway, Los Angeles, CA 90031
FOR: Los Angeles Unified School District

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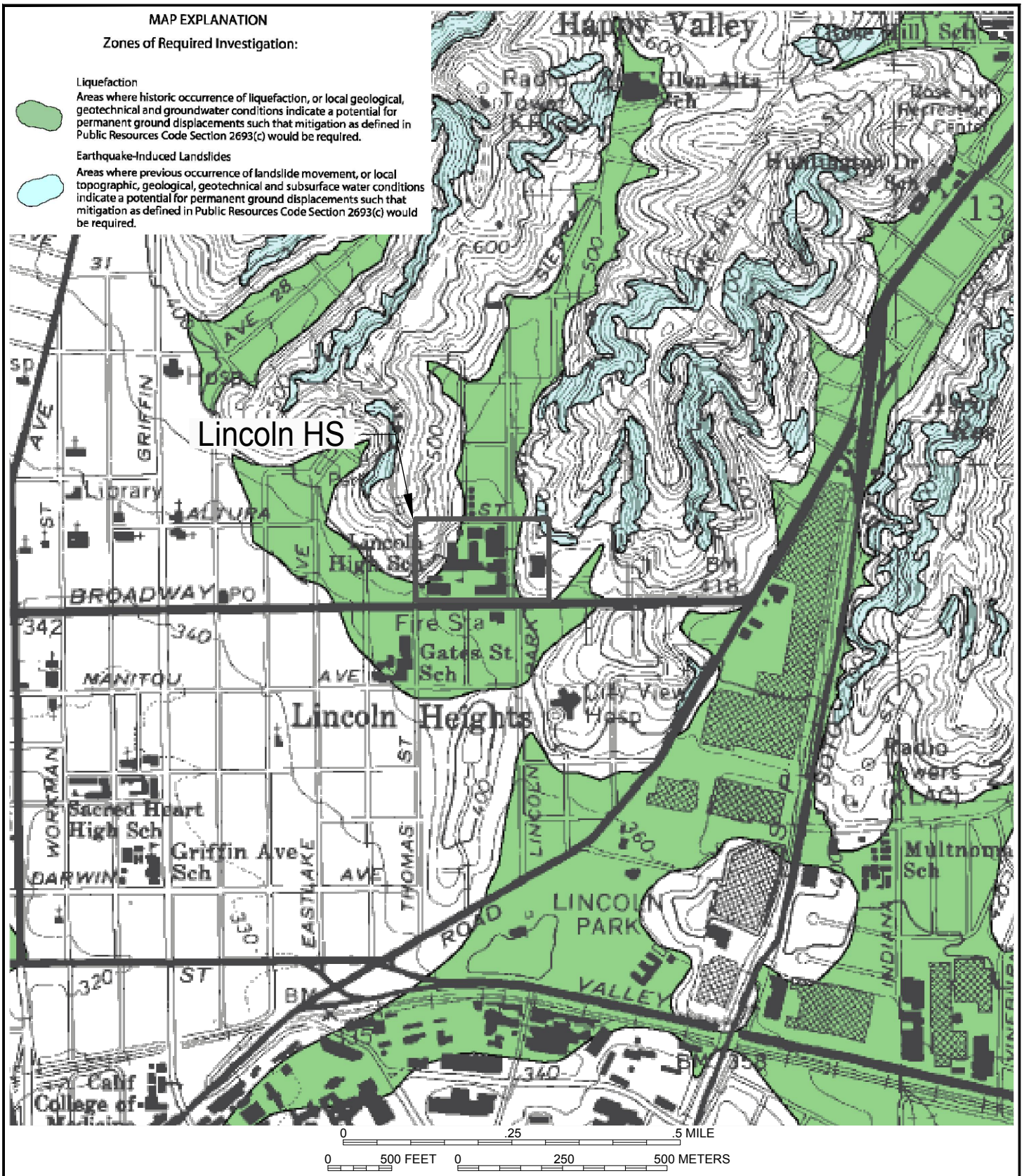
FIGURE 6

Reference: Dibblee, TW, and Ehrenspeck, HE. 1989. Geologic map of the Los Angeles Quadrangle, Los Angeles County, California. Dibblee Foundation Map DF-22.



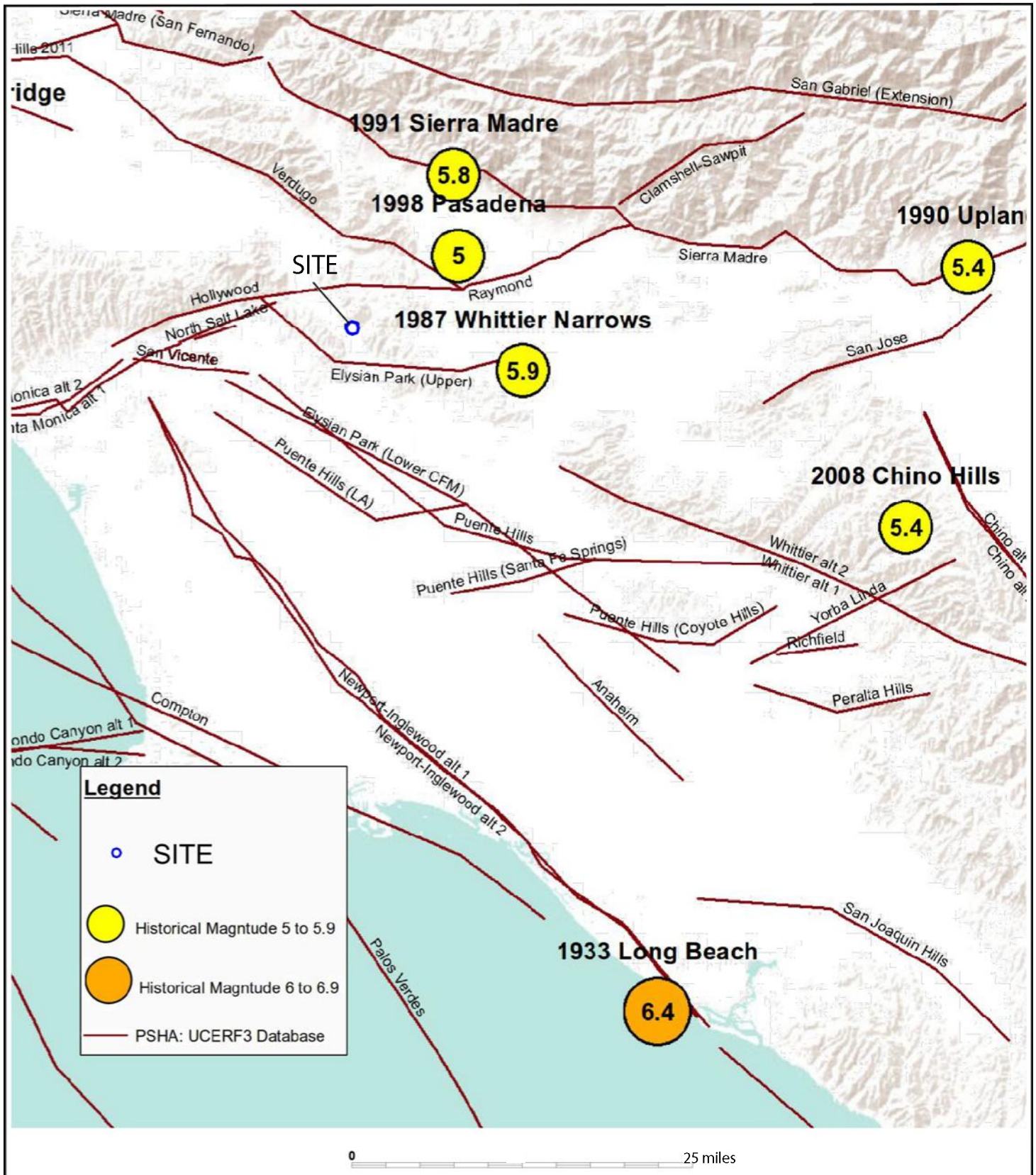
SEISMIC HAZARDS ZONES MAP

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway, Los Angeles, CA 90031
FOR: Los Angeles Unified School District

URS

FIGURE 7

Reference: State of California, Seismic Hazards Zones, Official Map, Releases March 25, 1999. California Division of Mines and Geology



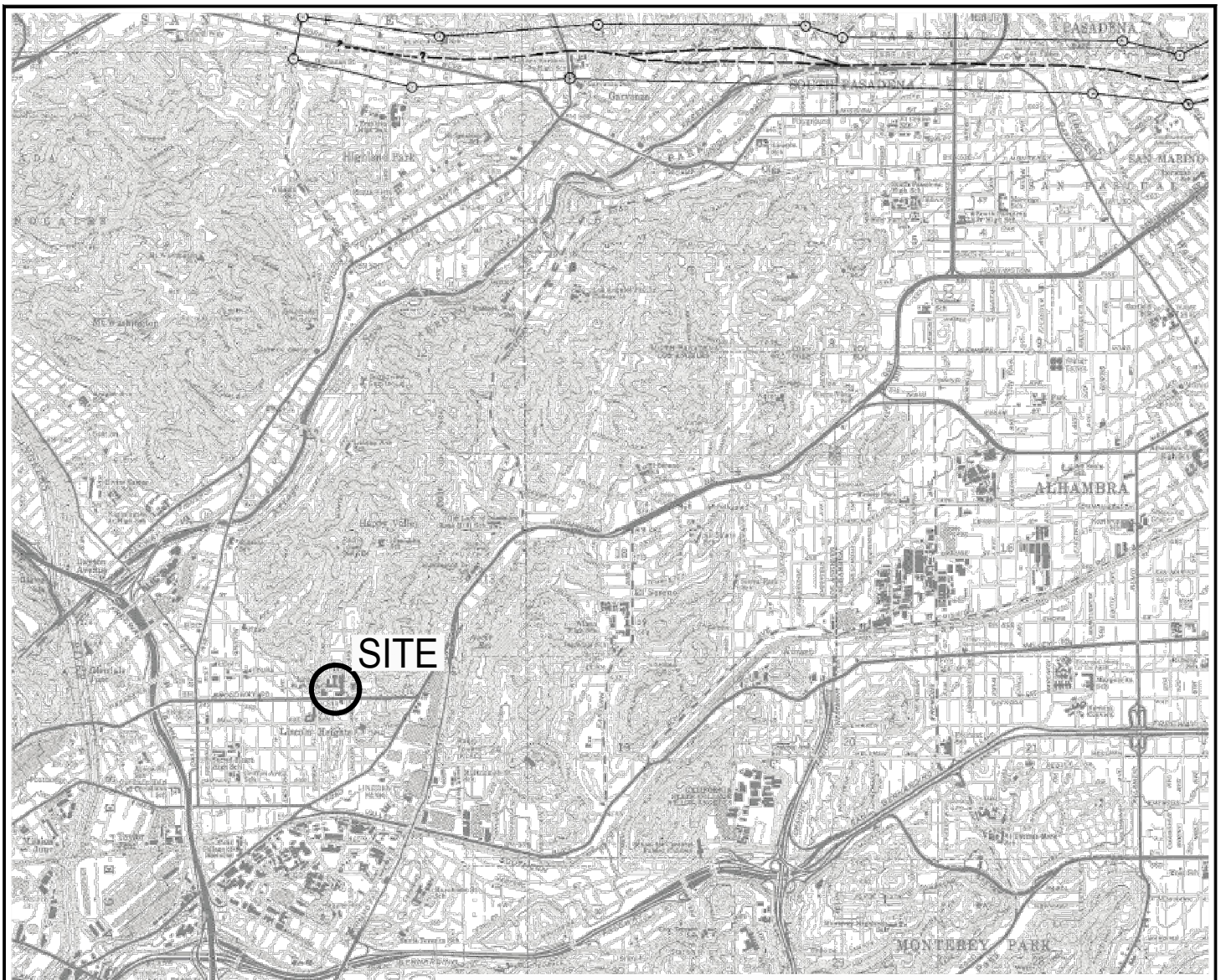
REGIONAL FAULT AND EPICENTER MAP

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway, Los Angeles, CA 90031
FOR: Los Angeles Unified School District

URS

FIGURE 8

Reference: Preliminary Geologic Map of the Los Angeles Geologic Quadrangle by Yerkes and Campbell 2005.



MAP EXPLANATION

Potentially Active Faults

1906 C — Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

Seaward projection of zone boundary.

0 1 2 MILES

0 2,000 FEET 0 1,000 2,000 METERS

N

FAULT ZONE MAP

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway, Los Angeles, CA 90031
FOR: Los Angeles Unified School District

URS

FIGURE 9

Reference: State of California, Earthquake Fault Zones, Revised Official Map, July 1, 1986. California Division of Mines and Geology.

APPENDIX A

Appendix A

A.1 Field Explorations

This appendix describes the exploration program conducted by URS for a preliminary geotechnical investigation at Lincoln High School located at 3501 North Broadway Avenue in Los Angeles, California. The exploratory locations for soil borings were first marked in the field, and then checked through DigAlert and finally using ground penetration radar (GPR) techniques for clearance of potential conflicts with the underground utilities. No underground obstructions were encountered in any of the boings drilled during the current investigation.

The subsurface exploration program was conducted from April 10 through 15, 2017, and included drilling and sampling 12 borings (BH-02 and BH-03 and BH-05 through BH-14) to approximate depths ranging between approximately 10 feet and 100 feet below the existing ground surface using a limited access CME75 drilling rig. Due to access restrictions, proposed borings BH-01 and BH-04 could not be drilled. These locations will be drilled at a later date. The approximate locations of the borings are shown on the Plot Plan, Figure 2.

URS representatives from our Los Angeles office maintained a log for each boring in the field, recording sampler blow counts, soil characteristics, observations, sample locations, and other pertinent drilling and sampling information. The subsurface materials were characterized by visual inspection of the samples and soil cuttings returned to the surface during the drilling operation. The behavior of the drill rig, such as variations penetration rate, was also considered in material characterization. Soils were classified according to the Unified Soil Classification System (ASTM D 2488). The boring logs were modified to reflect the results of laboratory observations and testing of the samples. A key to notations on the boring logs (Figure A-1) and the boring logs (Figures A-2 through A-13) are presented in this Appendix.

Relatively undisturbed samples were obtained using a California sampler (2.42-inches I.D.) driven 18-inches using a 140-pound hammer with a 30-inch drop. The number of blows required to drive the sampler was recorded for each 6-inch interval of penetration. The first 6-inch increment of penetration is considered to be a “seating interval” in potentially highly disturbed soils at the base of the borehole, and is therefore not included in the final log notation unless refusal was met within the seating interval. The total number of blows for the 12 inches of penetration beyond the seating interval, or the distance driven before refusal, is normally recorded on the log.

Relatively undisturbed and disturbed samples from the sampling activities were placed in plastic bags to preserve the water content of the soil and transported to our geotechnical laboratory in Los Angeles for testing.

Standard penetration tests (SPT) were also performed at selected depths per ASTM D-1586. The blow count for the final 12 inches of sampler penetration is commonly referred to as the "N-value". This value generally reflects the resistance to penetration of the soil at the sample depth.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	*GRAVEL AND GRAVELLY SOILS* MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	*CLEAN GRAVELS* (LITTLE OR NO FINES)	**GW**	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	**GM**	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	*CLEAN SANDS* (LITTLE OR NO FINES)	**SW**	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	**SM**	SILTY SANDS, SAND - SILT MIXTURES
			SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	*SILTS AND CLAYS*	LIQUID LIMIT LESS THAN 50	**ML**	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50	**MH**	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			**PT**	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Dual symbols are used to indicate gravels or sand with 5-12% fines and soils with fines classifying as CL-ML. Symbols separated by a slash indicate borderline soil classifications.

Other Material Symbols

Asphalt Sandstone Claystone

Sampler and Symbol Descriptions

- Modified California sample
- Standard Penetration Test
- No Recovery
- Bk Bulk sample
- Disturbed Type-U Sample
- Pitcher Tube Sample
- Shelby Tube Sample
- Rock Core Sample
- Approximate depth of perched water or groundwater

Note: Number of blows required to advance driven sample 12" (or length noted) is recorded; blow count recorded for seating interval (initial 6" of drive) is indicated by an asterisk.

Laboratory and Field Test Abbreviations

CBR	California Bearing Ratio Test
COL	Collapse Potential test (test result in parentheses)
COMP	Compaction test
CON	Consolidation test
CORR	Corrosivity test
DSCD	Consolidated drained direct shear test (normal pressure and shear strength results shown)
EI	Expansion Index test (test result in parentheses)
LL=29	Liquid limit (Atterberg limits test)
PI=11	Plasticity Index (Atterberg limits test)
PP	Pocket Penetrometer test (test result in parentheses)
R-Value	Resistance Value test
SA	Sieve Analysis (-200 result in parentheses)
SE	Sand Equivalent test (test result in parentheses)
SWELL	Swell Load test (test result in parentheses)
TV	Torvane test (test result in parentheses)
-200	Percent passing #200 sieve (test result in parentheses)

KEY TO LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

URS

FIGURE A-1

Date(s) Drilled	04-12-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07521 N, -118.20429 W, ~25' N of northern wall of Administration Bldg. West Wing		

Boring B-02

Sheet 1 of 1

Job Number	60541120
Total Depth Drilled (ft)	16.5
Approximate Ground Surface Elevation (ft)	409.0

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0						**SANDSTONE [PUENTE FORMATION-Tp]** olive yellow 2.5Y(6/8), fine grained, with SILT, intensely weathered			Hand auger upper 5'
	5		S-1	20			**CLAYSTONE** light yellowish-brown 2.5Y(6/4), thinly bedded, intensely weathered, carbonate deposits along fractures, weak			
400	10		S-2	36			**SANDSTONE** light yellowish-brown 2.5Y(6/4), thinly bedded, fine grained, with SILT, intensely weathered, sporadic carbonate deposits, weak Grades with iron oxide stains along fractures			
	15		S-3	33						
390	20						Boring terminated approximately 15 feet below ground surface. Groundwater was not encountered. Borehole backfilled with soil cuttings.			
	25									
380	30									
	35									
370	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-2

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Date(s) Drilled	04-11-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	CME75 Rig #3	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California, Bulk		
Approximate Groundwater Depth and Date Measured	38.5' measured during drilling		
Comments	34.07518 N, -118.20354 W		

Boring B-03

Sheet 1 of 2

Job Number	60541120
Total Depth Drilled (ft)	81.5
Approximate Ground Surface Elevation (ft)	409.0

Elevation (ft)	Depth (ft)	Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0		BK-1				3" ASPHALT over 4" CONCRETE	21		Hand auger upper 5'
						CL	**Lean CLAY [FILL]** dark yellowish-brown 10YR(4/4), moist, very soft, fine grained SAND, medium plasticity			-200(70) EI(53)
	5		S-2	3						LL=43, PI=28
			S-3	5				20		PP=1.0 tsf, DSCD
400						CL	**Lean CLAY [ALLUVIUM]** yellowish-brown 10YR(5/6), moist, very soft, fine grained SAND, medium plasticity			
	10		S-4	2				24		-200(61)
			S-5	8				21		CONS
						SM	**Silty SAND** dark yellowish-brown 10YR(4/4), moist, loose, mostly fine to medium SAND			
	15		S-6	7				16		-200(45)
						CL	**Lean CLAY** dark yellowish-brown 10YR(4/4), moist, medium stiff, fine to medium grained SAND, low plasticity includes lenses of silty SAND			
			S-7	13				19	105	
390										
	20		S-8	4						
							Grades stiff			
	25		S-9	13						
380							Grades very stiff, little medium SAND, low plasticity			
	30		S-10	18						
	35		S-11	19						
							Grades dark grayish-brown 10YR(4/2), with little SAND			
370										Groundwater at 38.5' (11:08)
	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-3

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-12	25			**Lean CLAY [ALLUVIUM] (continued)** grades hard, increase in SAND content, trace well cemented carbonate nodules			PP=4.5 tsf
	45		S-13	12			Grades stiff, with little SAND, trace fine angular GRAVEL comprised of well cemented siltstone			
360										
	50		S-14	13						
	55		S-15	29			Grades very stiff			
							Grades brown 7.5YR(4/4), stiff, increase in SAND content			
350										
	60		S-16	14						PP=3.25 tsf
	65		S-17	25						
340										
	70		S-18	22			Grades with trace fine angular siltstone fragments to 0.25"			
	75		S-19	37			**SANDSTONE [PUENTE FORMATION-Tp]** light olive brown 2.5Y(5/6), intensely weathered, massive, fine to medium SAND with some SILT, weak			
330										
	80		S-20	50						
							Boring terminated approximately 80 feet below ground surface. Groundwater was encountered at 38.5 feet below ground surface. Borehole backfilled with soil cuttings and capped with asphalt.			
	85									
320										
	90									

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Date(s) Drilled	04-13-2017 to 04-14-2017	Logged By	B. Donnelly
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07452N, -118.20449W, ~25' S of SW corner of Administration Bldg.		

Boring B-05

Sheet 1 of 2

Job Number	60541120
Total Depth Drilled (ft)	41.5
Approximate Ground Surface Elevation (ft)	406.0

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0					CL	**Lean CLAY [FILL]** very dark grayish-brown 10YR(3/2), moist, medium stiff, medium plasticity, roots present			Hand auger upper 5'
	5		S-1	8						
400			S-2	15			Grades very stiff	17	92	PP=3.5 tsf, CON
	10		S-3	11		CL	**Lean CLAY [ALLUVIUM]** very dark brown 10YR(2/2), moist, stiff, with fine SAND, medium plasticity			LL=52, PI=36
			S-4	32			Grades hard	20	102	PP=3.5 tsf, DSCD
	15		S-5	13			Grades dark brown 7.5YR(3/4), stiff, fine to medium SAND			
390							Grades hard, increase in SAND content, trace angular siltstone to 0.25"			
	20		S-6	35						
							Grades dark yellowish-brown 10YR(3/4)			
	25		S-7	34						
380							Grades with little SAND			
	30		S-8	33						
	35		S-9	54			**SILTSTONE [PUENTE FOMRATION-Tp]** light olive brown 2.5Y(5/6), intensely weathered, very soft, with some fine SAND, slightly fractured with carbonate infilling, laminated			End 04-13-2017 Start 04-14-2017
370										
	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-4

Elevation (ft)	Depth (ft)	SAMPLES Type	SAMPLES Number	SAMPLES Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-10	37			**SILTSTONE [PUENTE FOMRATION-Tp] (continued)**			
							Boring terminated approximately 40 feet below ground surface. Groundwater was not encountered. Borehole backfilled with soil cuttings			
	45									
360										
	50									
	55									
350										
	60									
	65									
340										
	70									
	75									
330										
	80									
	85									
320										
	90									

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Date(s) Drilled	04-12-2017 to 04-13-2017	Logged By	J. Gratzer & B. Donnelly
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California, Bulk		
Approximate Groundwater Depth and Date Measured	58.5' measured during drilling (04-13-2017)		
Comments	34.07454 N, -118.20387 W, ~28' S of Administration Bldg. and ~70' W of Lunch Pavillion		

Boring B-06

Sheet 1 of 3

Job Number	60541120
Total Depth Drilled (ft)	101.5
Approximate Ground Surface Elevation (ft)	407.0

Elevation (ft)	Depth (ft)	Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0		BK-1			CL	**Lean CLAY** very dark grayish-brown 10YR(3/2), moist, medium stiff, some fine to medium SAND, low plasticity	16		Hand auger upper 5' -200(65) EI(50)
	5		S-2	8				22		
400			S-3	24		CL	**Lean CLAY [ALLUVIUM]** brown 10YR(4/3), moist, very stiff, some fine grained SAND, carbonate infill, bioturbation, trace angular fine siltstone fragments to 0.25"	23	103	PP=3.25 tsf, DSCD
	10		S-4	19						PP=3.25 tsf, LL=43, PI=28
			S-5	19			Grades with medium SAND Grades medium stiff, with little SAND, carbonate deposits	22	97	PP=2.0 tsf
	15		S-6	8						
390										
	20		S-7	19			Grades very stiff, increase in SAND content Grades very dark grayish-brown 10YR(3/2), stiff			
	25		S-8	14						PP=2.0 tsf
380						SC	**Clayey SAND** dark yellowish-brown 10YR(4/4), moist, dense, fine SAND, trace fine angular siltstone fragments to 0.5" includes lenses of silty SAND			
	30		S-9	32				14		-200(44)
	35		S-10	17			Grades medium dense, with little CLAY Increase in CLAY content			
370										
	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-5

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-11	48		CL	**Lean CLAY [ALLUVIUM] (continued)** dark yellowish-brown 10YR(4/4), moist, hard, little fine SAND, medium plasticity			End 04-12-2017 Start 04-13-2017
	45		S-12	30			Increase in SAND content, medium to coarse grained, trace angular siltstone fragments to 1"			
360										
							Grades dark brown 7.5YR(3/4), with little SAND			
	50		S-13	40						
	55		S-14	32			Grades with trace angular siltstone fragments to 0.5"			
350										
										Groundwater at 58.5'
	60		S-15	14			Grades stiff			
	65		S-16	29						
340							Grades brown 7.5YR(4/4), very stiff, increase in SAND content, trace angular siltstone fragments to 0.75"			
	70		S-17	43			Grades hard, with little SAND			
	75		S-18	49			Increase in SAND content, trace siltstone and claystone fragments to 0.5"			
330										
						SC	**Clayey SAND** dark olive brown 2.5Y(3/3), moist, very dense, medium to coarse SAND, siltstone fragments to 0.25"			
	80		S-19	53						
	85		S-20	55			Increasing angular siltstone fragments to 1"			
320							**SILTSTONE [PUENTE FORMATION-Tp]** light olive brown 2.5Y(5/6), fine grained, intensely weathered, soft, carbonate deposits			
	90									

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Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	90		S-21	32			**CLAYSTONE [PUENTE FORMATION-Tp] (continued)** light olive brown 2.5Y(5/4), intensely weathered, massive, very soft, carbonate deposits			
	95									
310										
							SILTSTONE light olive brown 2.5Y(5/3), intensely weathered, iron oxide stains, soft			
	100		S-22	47						
							Boring terminated approximately 100 feet below ground surface. Groundwater was encountered at 58.5 feet below ground surface. Borehole backfilled with soil cuttings			
	105									
300										
	110									
	115									
290										
	120									
	125									
280										
	130									
	135									
270										
	140									

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Date(s) Drilled	04-10-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	CME75 Rig #3	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California, Bulk		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07477 N, -118.20336 W, ~6' S of SW corner of Shop Bldg.		

Boring B-07

Sheet 1 of 2

Job Number	60541120
Total Depth Drilled (ft)	51.5
Approximate Ground Surface Elevation (ft)	410.0

Elevation (ft)	Depth (ft)	Sample Type	Sample Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
410	0		BK-1			CL	3.5" ASPHALT			Hand auger upper 5'
							Lean CLAY [FILL] very dark grayish-brown 10YR(3/2), moist, soft, some fine to medium SAND, medium plasticity			
	5		S-2	3						
			S-3	15		CL	**Lean CLAY [ALLUVIUM]** dark grayish-brown 10YR(4/2) moist, very stiff, little fine SAND, medium plasticity	22	105	PP=3.5 tsf
400	10		S-4	6			Grades medium stiff			LL=44, PI=28
			S-5	13			Grades hard	24	98	PP=4.0 tsf
	15		S-6	9			Grades stiff, carbonate deposits, bioturbation, trace angular siltstone fragments			
			S-7	15			Grades hard, low plasticity	19	108	PP=4.25 tsf, DSCD
390	20		S-8	23						PP>4.5 tsf, LL=40, PI=26
							Grades dark yellowish-brown 10YR(3/4), very stiff, increase in SAND content			
	25		S-9	18						
380	30		S-10	34			Grades hard			
						SC	**Clayey SAND** dark yellowish-brown 10YR(4/6), moist, medium dense, mostly fine SAND			
	35		S-11	28						
370	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

URS

FIGURE A-6

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
370	40		S-12	26		CL	**Lean CLAY [ALLUVIUM] (continued)** dark yellowish-brown 10YR(4/6), moist, stiff, trace fine SAND			
	45		S-13	31		SC	**Clayey SAND** dark yellowish-brown 10YR(3/4), moist, dense, mostly fine SAND			
360	50		S-14	35			Grades with trace fine angular siltstone fragments			
							Boring terminated approximately 50 feet below ground surface. Groundwater was not encountered. Borehole backfilled with soil cuttings and capped with asphalt.			
	55									
350	60									
	65									
340	70									
	75									
330	80									
	85									
320	90									

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Date(s) Drilled	04-10-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	CME75 Rig #3	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California		
Approximate Groundwater Depth and Date Measured	52.8' measured during drilling		
Comments	34.07468 N, -118.20307 W, ~15' N of Home Economics Bldg. and ~6' W of HVAC Enclosure		

Boring B-08

Sheet 1 of 2

Job Number	60541120
Total Depth Drilled (ft)	56.5
Approximate Ground Surface Elevation (ft)	409.0

Elevation (ft)	Depth (ft)	Sample Type	Sample Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0					CL	**Lean CLAY [FILL]** very dark grayish-brown 10YR(3/2), moist, medium stiff, some fine SAND, trace fine angular GRAVEL to 0.5", trace roots			Hand auger upper 5'
	5		S-1	8						
			S-2	41			Grades hard, fine to medium SAND	17		PP>4.5 tsf
400										
	10		S-3	15		CL	**Lean CLAY [ALLUVIUM]** olive brown 2.5Y(4/4), moist, stiff, some fine to medium SAND, trace siltstone fragments to 0.25"			brick fragments in cuttings at 9'
			S-4	21			Grades very stiff, trace bioturbation	15	110	PP=4.5 tsf, CON
	15		S-5	16			Grades brown 10YR(4/3)			
390										
	20		S-6	24						
	25		S-7	28						
380						SC	**Clayey SAND** dark yellowish-brown 10YR(4/4), moist, dense, mostly fine to medium SAND			
	30		S-8	32						
	35		S-9	30						
370	40									

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LOG OF BORING

Lincoln High School
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FOR: Los Angeles Unified School District

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FIGURE A-7

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-10	17		CL	**Lean CLAY [ALLUVIUM] (continued)** light yellowish-brown 10YR(6/4), moist, very stiff, low plasticity, trace angular siltstone fragments to 0.25", trace well cemented carbonate nodules			Increase in resistance to drilling at 42'
	45		S-11	25			**CLAYSTONE [PUENTE FORMATION-Tp]** mottled light olive brown 2.5Y(5/4) and olive 5Y(4/4), intensely weathered, massive, weak			
360							**SANDSTONE** olive yellow 2.5Y(6/8), intensely weathered, fine grained, some SILT, weak			
	50		S-12	39			**CLAYSTONE** pale olive 5Y(6/4), intensely weathered, weak			Groundwater at 52.8'
	55		S-13	55			Grades olive 5Y(5/3), sporadic well cemented zones, iron oxide stains along fractures, thinly bedded, 25° dip (unoriented)			
							Boring terminated approximately 55 feet below ground surface. Groundwater was encountered at 52.8 feet below ground surface. Borehole backfilled with soil cuttings.			
350	60									
	65									
340	70									
	75									
330	80									
	85									
320	90									

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FIGURE A-7 continued

Date(s) Drilled	04-11-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	CME75 Rig #3	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07424 N, -118.20504 W, Alley between Auditorium and Music Bldg.		

Boring B-09

Sheet 1 of 2

Job Number	60541120
Total Depth Drilled (ft)	41.5
Approximate Ground Surface Elevation (ft)	398.0

Elevation (ft)	Depth (ft)	Sample Type	Sample Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	OTHER TESTS and REMARKS
	0						6" ASPHALT CONCRETE over 6" AGGREGATE BASE			Hand auger upper 5'
						CL	**Lean CLAY [FILL]** very dark grayish-brown 10YR(3/2), moist, very stiff, low plasticity, trace coarse SAND, trace roots			
	5		S-1	17		SM	**Silty SAND [ALLUVIUM]** dark yellowish-brown 10YR(3/4), moist, medium dense, mostly fine to medium SAND	14		
390			S-2	28				12	102	PP>4.5 tsf
	10		S-3	20						
						CL	**Lean CLAY** dark yellowish-brown 10YR(3/4), moist, hard, some fine SAND, low plasticity			
	15		S-4	24				14		PP>4.5 tsf
380										
	20		S-5	26			Increase in SAND content			
							SANDSTONE [PUENTE FORMATION-Tp] light olive brown 2.5Y(5/6), thinly bedded, intensely weathered to decomposed, mostly fine SAND, some SILT, very weak, sporadic very thin claystone interbeds			
	25		S-6	24						
370										
	30		S-7	20						
	35		S-8	38			Grades light olive brown 2.5Y(5/6) and pale olive 5Y(6/3), intensely weathered, trace carbonate deposits			
360										
	40									

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Lincoln High School
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FIGURE A-8

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Boring B-09

Elevation (ft)	Depth (ft)	SAMPLES Type	SAMPLES Number	SAMPLES Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-9	37			Grades with trace iron oxide stains along fractures and bedding planes, 45° bedding dip (unoriented)			
							Boring terminated approximately 40 feet below ground surface. Groundwater was not encountered. Borehole backfilled with soil cuttings and capped with asphalt.			
	45									
350										
	50									
	55									
340										
	60									
	65									
330										
	70									
	75									
320										
	80									
	85									
310										
	90									

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FIGURE A-8 continued

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Date(s) Drilled	04-14-2017	Logged By	B. Donnelly
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT, Modified California		
Approximate Groundwater Depth and Date Measured	58.1' measured during drilling		
Comments	34.0741 N, -118.2042 W, ~30' E of Auditorium and ~50' N of N. Broadway		

Boring B-10

Sheet 1 of 2

Job Number	60541120
Total Depth Drilled (ft)	81.5
Approximate Ground Surface Elevation (ft)	397.0

Elevation (ft)	Depth (ft)	Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0					CL	**Lean CLAY [FILL]** Dark brown 7.5YR(3/2), moist, very stiff, medium plasticity, trace angular siltstone fragments to 0.5"			Hand auger upper 5'
	5		S-1	11						
390			S-2	36				16	103	PP=3.5 tsf, DSCD, CON
	10		S-3	6		CL	**Lean CLAY [ALLUVIUM]** dark brown 7.5YR(3/3), moist, medium stiff, little fine SAND, low plasticity, bioturbation and carbonate deposits			Concrete fragments at 9'
			S-4	46			Grades medium plasticity, hard	21	99	PP=4.0 tsf, DSCD
	15		S-5	24			Grades very stiff, increase in SAND content, trace angular siltstone fragments to 0.5", bioturbation and carbonate deposits			
380										
	20		S-6	39			Grades hard, with little SAND, trace iron oxide stains			
	25		S-7	25			Grades stiff			
370										
	30		S-8	57			Grades brown 7.5YR(4/4), hard, some fine SAND, trace angular siltstone fragments to 0.5"	16		-200(71)
	35		S-9	25			Grades very stiff, with medium SAND			
360										
	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
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FIGURE A-9

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-10	20			**Lean CLAY [ALLUVIUM] (continued)** dark yellowish-brown 10YR(3/4), little fine SAND, trace angular siltstone fragments to 0.5"			
	45		S-11	23			Grades with medium SAND			
350										
	50		S-12	29						
	55		S-13	21						
340							Grades brown 10YR(4/3), some fine to medium SAND, trace siltstone fragments to 1.25"			Groundwater at 58.1'
	60		S-14	22						
	65		S-15	23						
330										
	70		S-16	31			Grades dark yellowish-brown 10YR(4/6), hard, increase in SAND content, coarse grained, trace angular siltstone fragments to 0.5"			
	75		S-17	47		SC	**Clayey SAND** yellowish-brown 10YR(5/6), moist, dense, fine SAND, trace angular siltstone fragments to 0.75"			
320										
	80		S-18	31			**SILTSTONE [PUENTE FORMATION-Tp]** olive brown 2.5Y(4/4), intensely weathered, massive, moderately soft			
	85						Boring terminated approximately 80 feet below ground surface. Groundwater was encountered at 58.1 feet below ground surface. Borehole backfilled with soil cuttings.			
310										
	90									

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FIGURE A-9 continued

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Date(s) Drilled	04-15-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT		
Approximate Groundwater Depth and Date Measured	54.5' measured during drilling		
Comments	34.07413 N, -118.20374 W, ~20' W of Home Economics Bldg. and ~50' N of N. Broadway		

Boring B-11

Sheet 1 of 3

Job Number	60541120
Total Depth Drilled (ft)	95.9
Approximate Ground Surface Elevation (ft)	396.0

Elevation (ft)	Depth (ft)	Sample Type	Sample Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0					CL	**Lean CLAY [FILL]** very dark grayish-brown 10YR(3/2), moist, medium plasticity, trace fine GRAVEL			Hand auger upper 5'
							Grades very stiff, little fine SAND, low plasticity			
	5		S-1	20						
390										
							Grades olive brown 2.5YR(4/3), soft, some fine SAND, trace angular siltstone fragments to 0.5", trace carbonate infill, bioturbation			
	10		S-2	5				23		-200(64)
						CL	**Lean CLAY [ALLUVIUM]** very dark grayish-brown 10YR(3/3), moist, hard, low plasticity, fissured, carbonate infill deposits, trace roots			
	15		S-3	31						
380										
	20		S-4	21			Grades dark olive brown 2.5Y(3/3), very stiff, with fine to medium SAND			
							Grades hard			
	25		S-5	38						
370										
	30		S-6	48						
							Grades dark yellowish-brown 10YR(4/4), some fine SAND includes lenses of dense clayey SAND			
	35		S-7	32						
360										
	40									

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Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-10

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	40		S-8	18			**Lean CLAY [ALLUVIUM] (continued)** Grades very stiff, increase in SAND content			
							Grades stiff			
	45		S-9	14						
350							Grades dark yellowish-brown 10YR(3/4), very stiff			
	50		S-10	22						
							Grades with little SAND			
	55		S-11	29						Groundwater at 54.5'
340										
	60		S-12	28						
							Grades hard			
	65		S-13	31						
330										
							Grades very stiff			
	70		S-14	27						
	75		S-15	28						
320										
	80		S-16	50/5"			Very thin silty SAND interbed, hard			
	85		S-17	29						
310										
	90									

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FIGURE A-10 continued

Elevation (ft)	Depth (ft)	SAMPLES Type	SAMPLES Number	SAMPLES Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	90		S-18	50/5"			**CLAYSTONE [PUENTE FORMATION-Tp]** light olive brown 2.5Y(5/4), intensely weathered to decomposed, carbonate infill deposits, moderately bedded Grades with interbeds of clayey SANDSTONE			
	95		S-19	50/5"						
-300							Boring terminated approximately 95 feet below ground surface. Groundwater encountered at 54.5 feet below ground surface. Borehole backfilled with soil cuttings.			
	100									
	105									
-290										
	110									
	115									
-280										
	120									
	125									
-270										
	130									
	135									
-260										
	140									

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Date(s) Drilled	04-12-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07481 N, -118.20241 W		

Boring B-12

Sheet 1 of 1

Job Number	60541120
Total Depth Drilled (ft)	21.5
Approximate Ground Surface Elevation (ft)	450.0

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
450	0						**SILTSTONE [PUENTE FORMATION-Tp]** light olive brown 2.5Y(5/6), thinly bedded, intensely weathered, weak, sporadic iron oxide stains			
	5		S-1	19						
440	10		S-2	25			Very thin silty SANDSTONE interbed; Iron oxide stains along fractures, 45° bedding dip (unoriented)			
	15		S-3	52			Grades very thinly bedded to thinly bedded, gypsum infilled fractures and along bedding planes			
430	20		S-4	51			Grades light yellowish-brown 2.5Y(6/4)			
							Boring terminated approximately 20 feet below ground surface. Groundwater was not encountered. Borehole backfilled with soil cuttings and capped with asphalt.			
	25									
420	30									
	35									
410	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-11

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Date(s) Drilled	04-10-2017	Logged By	B. Donnelly
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	CME75 Rig #3	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07501 N, -118.20171 W, NW corner of track		

Boring B-13

Sheet 1 of 1

Job Number	60541120
Total Depth Drilled (ft)	31.5
Approximate Ground Surface Elevation (ft)	474.0

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
	0						**CLAYSTONE [PUENTE FORMATION-Tp]** olive brown 2.5Y(4/3), intensely weathered, soft, some fine SAND, trace carbonates			Hand auger upper 5'
470	5		S-1	42			Grades with sporadic iron oxide staining			
	10		S-2	40						
460	15		S-3	30						
	20		S-4	50			**SILTSTONE** light olive brown 2.5Y(5/4), intensely weathered, very soft, slightly fractured, gypsum crystals in fractures and bottom 4"			
450	25		S-5	49			Grades laminated			
	30		S-6	74			Grades light yellowish-brown 2.5Y(6/3), iron oxide staining throughout			
440	35						Boring terminated approximately 30 feet below ground surface. Groundwater not encountered. Borehole backfilled with soil cuttings.			
	40									

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LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-12

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Date(s) Drilled	04-12-2017	Logged By	J. Gratzer
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	8" Bullet
Drill Rig Type	Limited Access Rig	Hammer Data	140-lb Automatic Trip/30-inch
Sampling Method(s)	SPT		
Approximate Groundwater Depth and Date Measured	Not encountered		
Comments	34.07445 N, -118.20191 W, parking lot S of PE Bldg.		

Boring B-14

Sheet 1 of 1

Job Number	60541120
Total Depth Drilled (ft)	11.5
Approximate Ground Surface Elevation (ft)	460.0

Elevation (ft)	Depth (ft)	SAMPLES Type	Number	Blows per foot	Graphic Log	USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density(pcf)	OTHER TESTS and REMARKS
460	0						**SILTSTONE [PUENTE FORMATION-Tp]** olive 5Y(5/3), very thinly bedded, intensely weathered, iron oxide stains along bedding planes, weak, very thin silty SANDSTONE interbed			Hand auger upper 5'
	5	◪	S-1	32						
							CLAYSTONE olive 5Y(4/4), thinly bedded, intensely weathered, iron oxide stains along bedding planes, 25° bedding plane dip (unoriented), very thin SILTSTONE interbeds			
450	10	◪	S-2	53						
							Boring terminated approximately 10 feet below ground surface. Groundwater not encountered. Borehole backfilled with soil cuttings and capped with asphalt.			
	15									
440	20									
	25									
430	30									
	35									
420	40									

This log is part of the report prepared by URS for this project and should be read together with the report. This summary applies only at the location of the exploration and at the time of drilling or excavation. Subsurface conditions may differ at other locations and may change at this location with time. Data presented are a simplification of actual conditions encountered.

LOG OF BORING

Lincoln High School
3501 N Broadway, Los Angeles, CA
FOR: Los Angeles Unified School District

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FIGURE A-13

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APPENDIX B

Appendix B

B-1 General

Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Tests performed are indicated on the Logs of Borings, Appendix A. A description of the laboratory testing program is presented below.

B-2 Moisture and Density Tests

Moisture content and density tests were performed on a number of samples recovered from the borings. The results of these tests were used to compute existing soil overburden pressures, to correlate strength and compressibility data from tested samples with those not tested, and to aid in evaluating soil properties. The tests were performed in accordance with ASTM Test Methods D-2216 and D-2937, respectively. The results of these tests are presented on the Logs of Borings.

B-3 Amount of Material in Soils Finer than # 200 Sieve

The tests were performed to determine the amount of material in soils finer than # 200 sieve to aid in the classification of the soils. The tests were performed in accordance with ASTM Test Method D1140. The results of the tests are presented on the Logs of Borings.

B-4 Atterberg Limits Tests

Atterberg Limits tests were performed to aid in classification and to evaluate the plasticity characteristics of fine-grained materials encountered in the borings. The tests were performed in accordance with ASTM Test Method D-4318. The results of these tests are presented on the Logs of Borings and also in a summary plot in Figure B-1.

B-5 Expansion Index Tests

Expansion Index (EI) tests were performed on selected representative samples to evaluate the expansion potential of the near-surface soils. The tests were performed in accordance with ASTM Test Method D-4829. The results of the tests are presented on the Logs of Borings and also in summary plots in Figures B-2 through B-3.

B-6 Direct Shear Tests

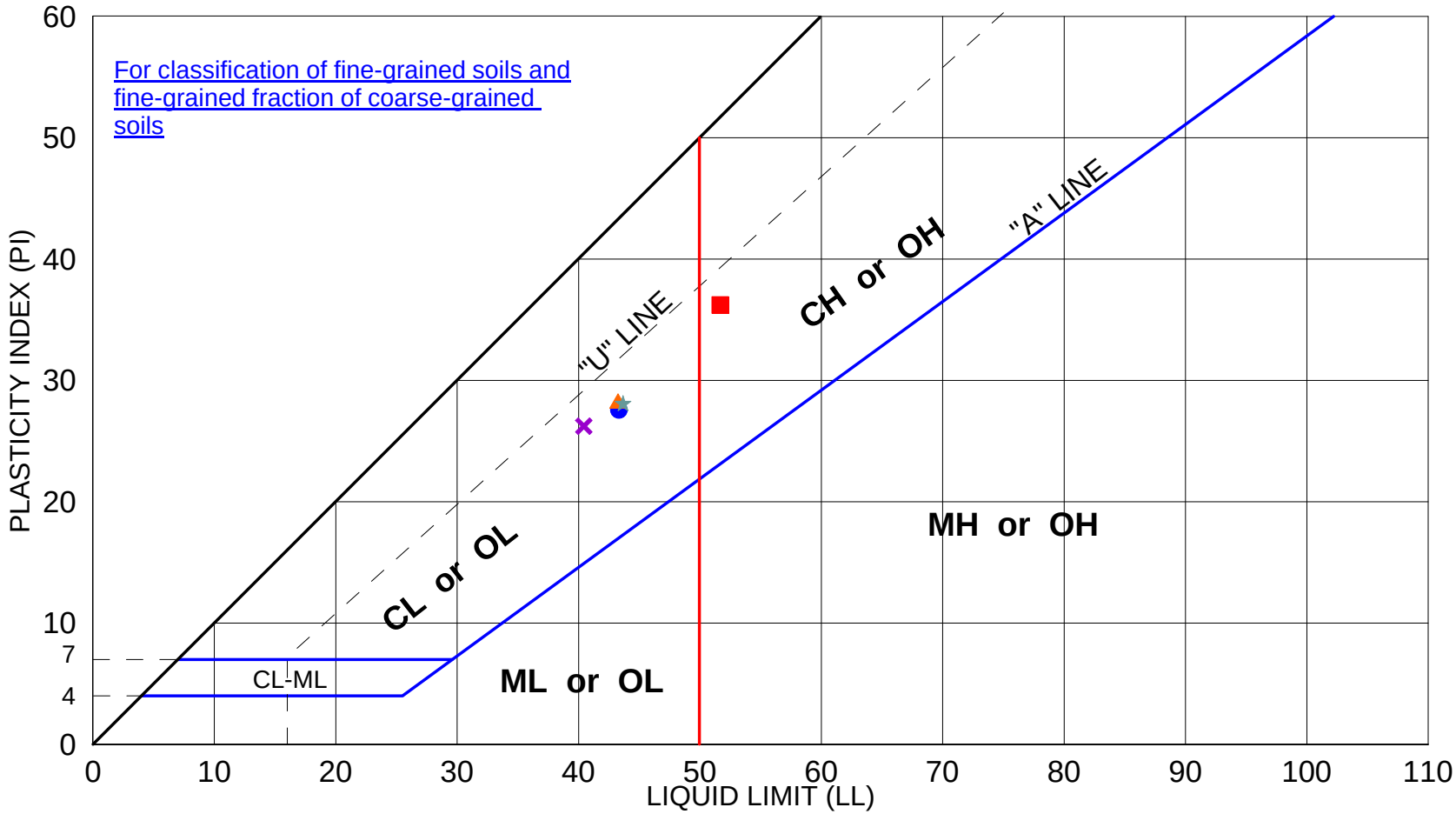
Consolidated-drained (saturated) direct shear tests were performed on selected undisturbed samples to evaluate shear strength parameters of the site soils. The direct shear tests were performed in accordance with ASTM Test Method D-3080. The results of the tests are presented in summary plots in Figures B-4 through B-9.

B-7 Consolidation Tests

One-dimensional consolidation tests were performed on selected undisturbed samples to evaluate compressibility characteristics of the on-site soils. These tests were performed in accordance with ASTM Test Method D-2435. The results of the tests are presented in summary plots in Figures B-10 through B-13.

B-8 Corrosion Tests

Selected representative soil samples were tested in order to assess corrosivity parameters including chloride content, resistivity, pH, and sulfate contents. The tests were conducted in accordance with appropriate California Test Methods. The results of these tests are presented on the Logs of Borings and also in a summary plot in Figure B-14.



SYMBOL	BORING NO.	DEPTH (ft.)	LL	PI	USCS
●	BH-03	5	43	28	CL
■	BH-05	10	52	36	CH
▲	BH-06	10	43	28	CL
★	BH-07	10	44	28	CL
×	BH-07	20	40	26	CL

ATTERBERG LIMITS
(ASTM D4318)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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FIGURE B-1

Project Name :	Lincoln High School	Tested By :	ALC	Date:	5/15/17
Project No. :	60541120	Data Input By:	ALC	Date:	
Boring No.:	B-03	Checked By:		Date:	
Sample No. :	Blk-1	Depth (ft.) :	0-5		

Visual Sample Description: Lean CLAY (CL)

MOLDED SPECIMEN	BEFORE TEST		AFTER TEST
	Conventional Oven	Microwave Oven	Conventional Oven
Specimen Diameter (in.)	4.01		4.01
Specimen Height (in.)	1.0000		1.0530
Wt. Comp. Soil + Mold (gm.)	578.69		619.65
Wt. of Mold (gm.)	206.97		206.97
Specific Gravity	2.70		2.70
Container No.	A32		CS-1
Wet Wt. of Soil + Cont. (gm.)	274.37		534.11
Dry Wt. of Soil + Cont. (gm.)	247.38		445.60
Wt. of Container (gm.)	50.83		122.95
Moisture Content (%)	13.7%		27.4%
Wet Density (pcf)	112.0		118.1
Dry Density (pcf)	98.5		92.7
Void Ratio	0.506		0.430
Total Porosity	0.336		0.301
Pore Volume (cc)	69.5		65.5
Degree of Saturation (%) [S meas] **[50% ± 2%]**	**52%**		91%

SPECIMEN INUNDATION in distilled water for period of 24 h or expansion rate < 0.0002 in./h.

DATE	TIME	PRESSURE (PSI)	ELAPSED TIME	DIAL READING
05/15/17	18:51	1.0	0	-----
	19:01		10	0.2112
ADD DISTILLED WATER TO THE SPECIMEN				
05/17/17	10:06			0.2642

Expansion Index [EI meas]= $\frac{\text{(Final Rdg-Initial Rdg) x 1000}}{\text{Initial Thickness}}$ **53.0**

CLASSIFICATION OF A POTENTIALLY EXPANSIVE SOIL

Expansion Index, EI	Potential Index
0-20	Very Low
21-51	Low
51-90	Medium
91-130	High
> 130	Very High

EXPANSION INDEX OF SOILS
(ASTM D4829-07)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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Figure B-2

Project Name :	Lincoln High School	Tested By :	ALC	Date:	4/21/17
Project No. :	60541120	Data Input By:	ALC	Date:	
Boring No.:	B-06	Checked By:		Date:	
Sample No. :	Blk-1	Depth (ft.) :	0-5		

Visual Sample Description: Lean CLAY (CL)

MOLDED SPECIMEN	BEFORE TEST		AFTER TEST
	Conventional Oven	Microwave Oven	Conventional Oven
Specimen Diameter (in.)	4.01		4.01
Specimen Height (in.)	1.0000		1.0502
Wt. Comp. Soil + Mold (gm.)	577.10		624.42
Wt. of Mold (gm.)	207.36		207.36
Specific Gravity	2.70		2.70
Container No.	A93		D-1
Wet Wt. of Soil + Cont. (gm.)	294.96		590.03
Dry Wt. of Soil + Cont. (gm.)	267.34		502.81
Wt. of Container (gm.)	50.17		180.26
Moisture Content (%)	12.7%		27.0%
Wet Density (pcf)	111.4		119.7
Dry Density (pcf)	98.9		94.2
Void Ratio	0.513		0.411
Total Porosity	0.339		0.291
Pore Volume (cc)	70.2		63.3
Degree of Saturation (%) [S meas] **[50% ± 2%]**	**49%**		93%

SPECIMEN INUNDATION in distilled water for period of 24 h or expansion rate < 0.0002 in./h.

DATE	TIME	PRESSURE (PSI)	ELAPSED TIME	DIAL READING
05/15/17	16:31	1.0	0	-----
	16:41		10	0.2422
ADD DISTILLED WATER TO THE SPECIMEN				
05/17/17	10:06			0.2924

Expansion Index [EI meas]= $\frac{\text{(Final Rdg-Initial Rdg) x 1000}}{\text{Initial Thickness}}$ **50.2**

CLASSIFICATION OF A POTENTIALLY EXPANSIVE SOIL

Expansion Index, EI	Potential Index
0-20	Very Low
21-51	Low
51-90	Medium
91-130	High
> 130	Very High

EXPANSION INDEX OF SOILS
(ASTM D4829-07)

LINCOLN HIGH SCHOOL
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FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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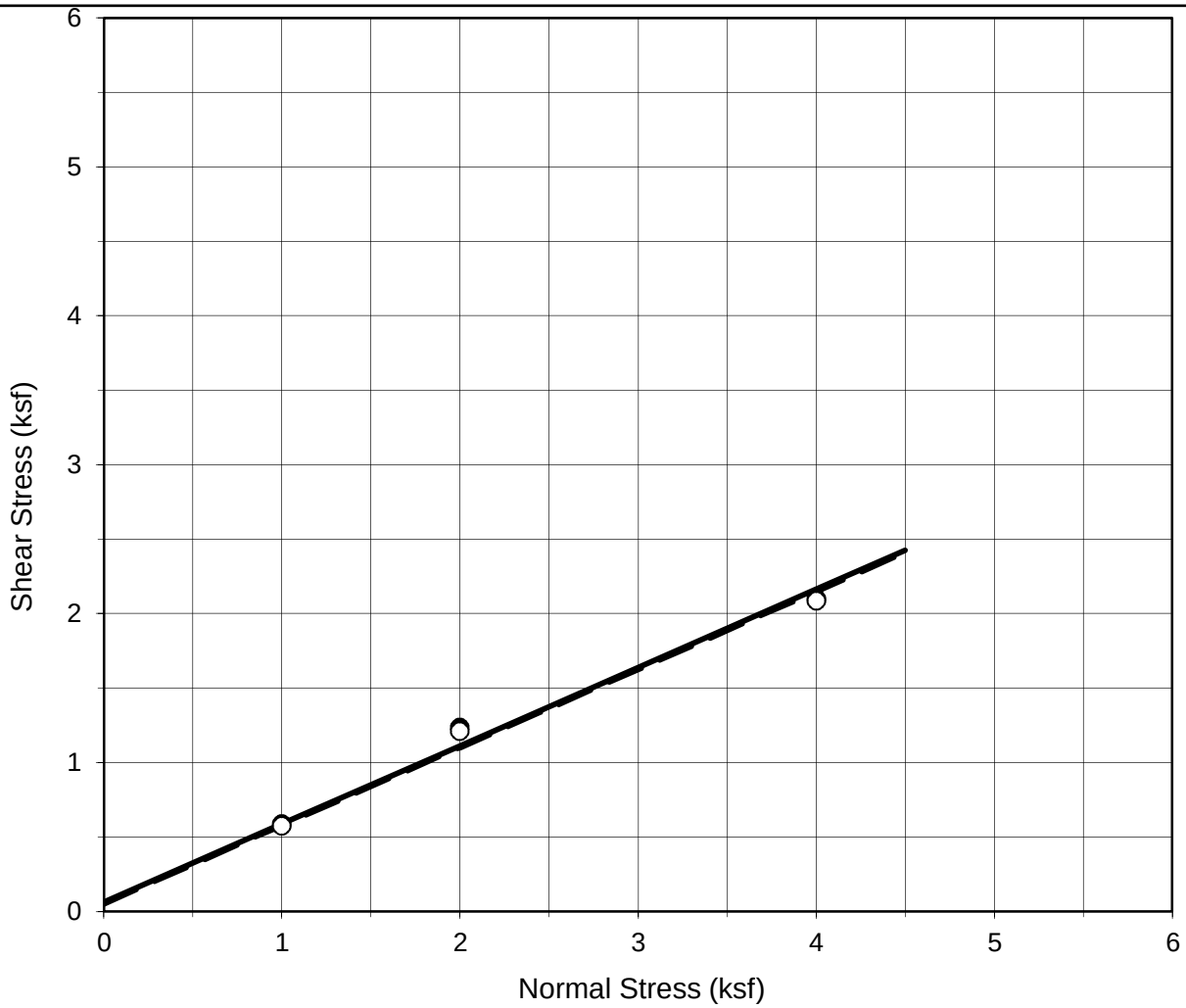
Figure B-3



SAMPLE	SAMPLE NO.	DEPTH (ft)	STRAIN RATE (in/min)	NORMAL STRESS (ksf)	PEAK STRESS (ksf)	ULTIMATE STRESS (ksf)
B-03	3	7.5	0.002	1.000	0.588	0.576
				2.000	1.236	1.212
				4.000	2.100	2.088

Sample Description: Lean CLAY (CL) Sample Type: Undisturbed

Test Condition: Saturated Initial Dry Density: 96 pcf

Moisture Content: (before) 20% (after) 26 %

INTERPRETED STRENGTH DATA	PEAK	ULTIMATE
COHESION (psf)	50	50
FRICTION ANGLE (deg)	28 °	28 °

DIRECT SHEAR TEST RESULTS
CONSOLIDATED DRAINED
(ASTM D3080)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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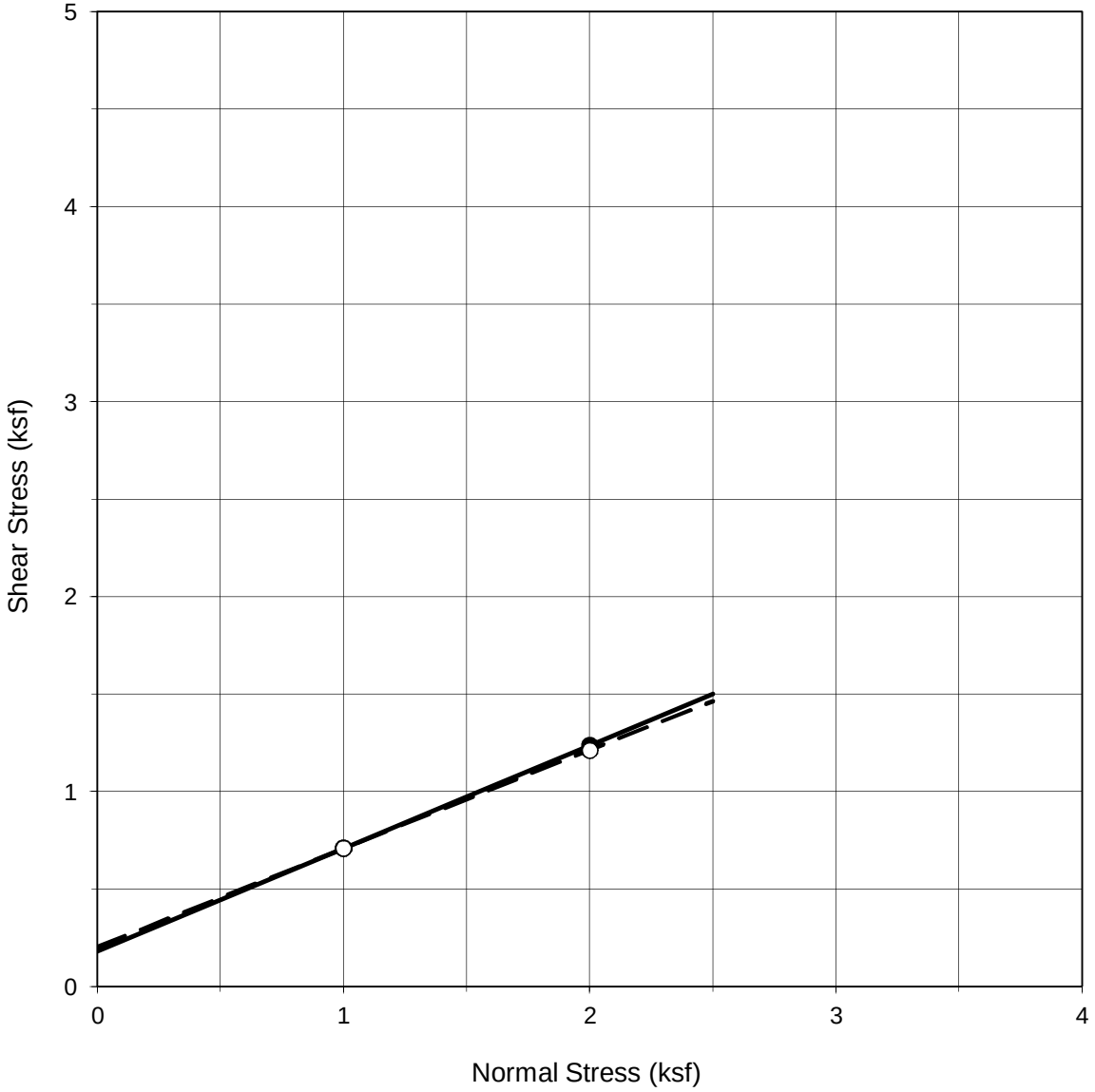
Figure B-4



BORING NO.	SAMPLE NO.	DEPTH (ft)	STRAIN RATE (in/min)	NORMAL STRESS (ksf)	PEAK STRESS (ksf)	ULTIMATE STRESS (ksf)
B-05	4	12.5	0.002	1.000	0.708	0.708
				2.000	1.236	1.212
				--	--	--

Sample Description: Lean CLAY (CL) Sample Type: Undisturbed

Test Condition: Saturated Initial Dry Density: 102 pcf

Moisture Content: (before) 20% (after) 24 %

INTERPRETED STRENGTH DATA	PEAK	ULTIMATE
COHESION (psf)	200	200
FRICTION ANGLE (deg)	28 °	27 °

DIRECT SHEAR TEST RESULTS
CONSOLIDATED DRAINED
(ASTM D3080)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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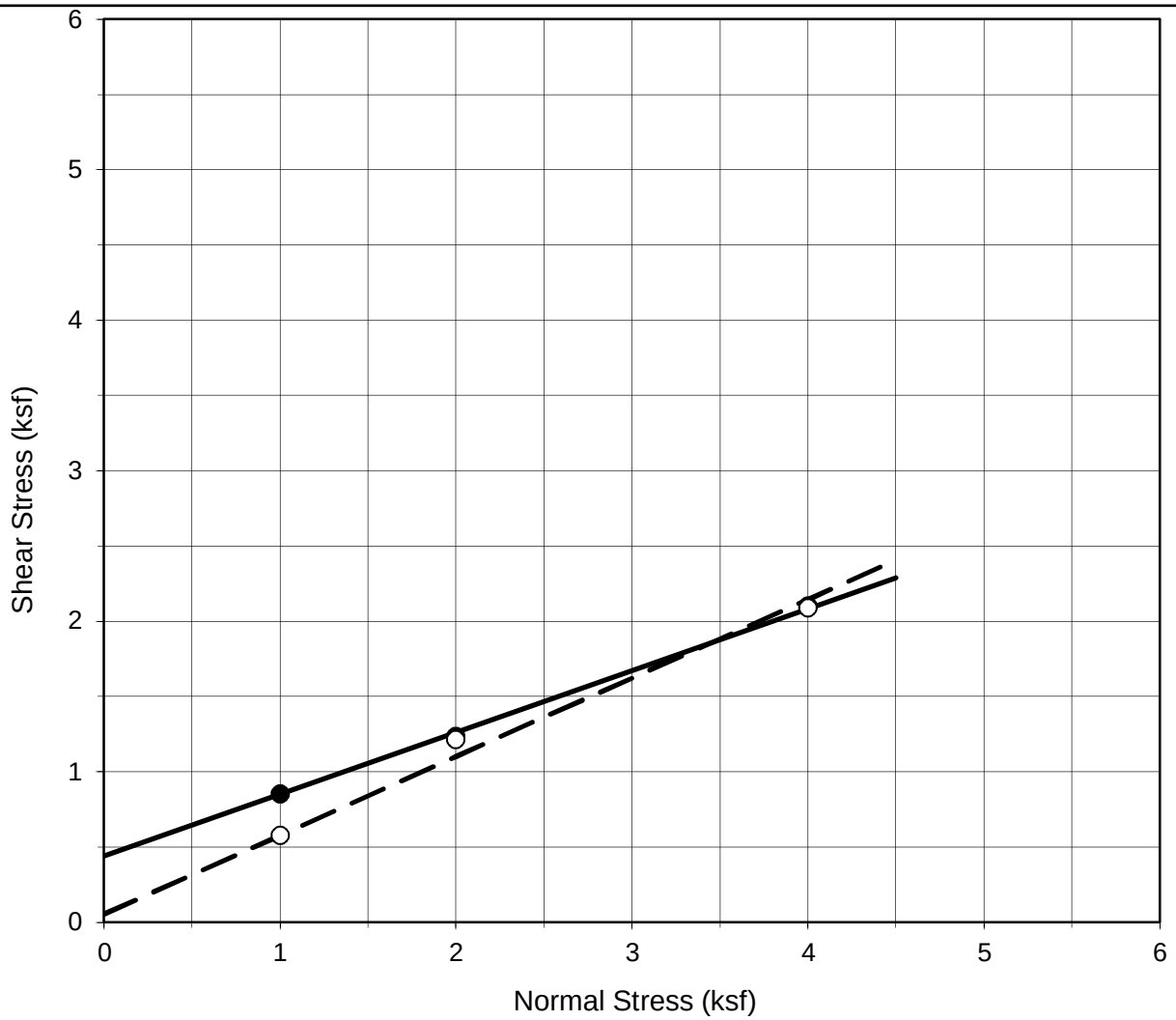
Figure B-5



SAMPLE	SAMPLE NO.	DEPTH (ft)	STRAIN RATE (in/min)	NORMAL STRESS (ksf)	PEAK STRESS (ksf)	ULTIMATE STRESS (ksf)
B-06	3	7.5	0.002	1.000	0.852	0.576
				2.000	1.236	1.212
				4.000	2.100	2.088

Sample Description: Lean CLAY (CL) Sample Type: Undisturbed

Test Condition: Saturated Initial Dry Density: 99 pcf

Moisture Content: (before) 23% (after) 25 %

INTERPRETED STRENGTH DATA	PEAK	ULTIMATE
COHESION (psf)	450	50
FRICTION ANGLE (deg)	22 °	28 °

DIRECT SHEAR TEST RESULTS
CONSOLIDATED DRAINED
(ASTM D3080)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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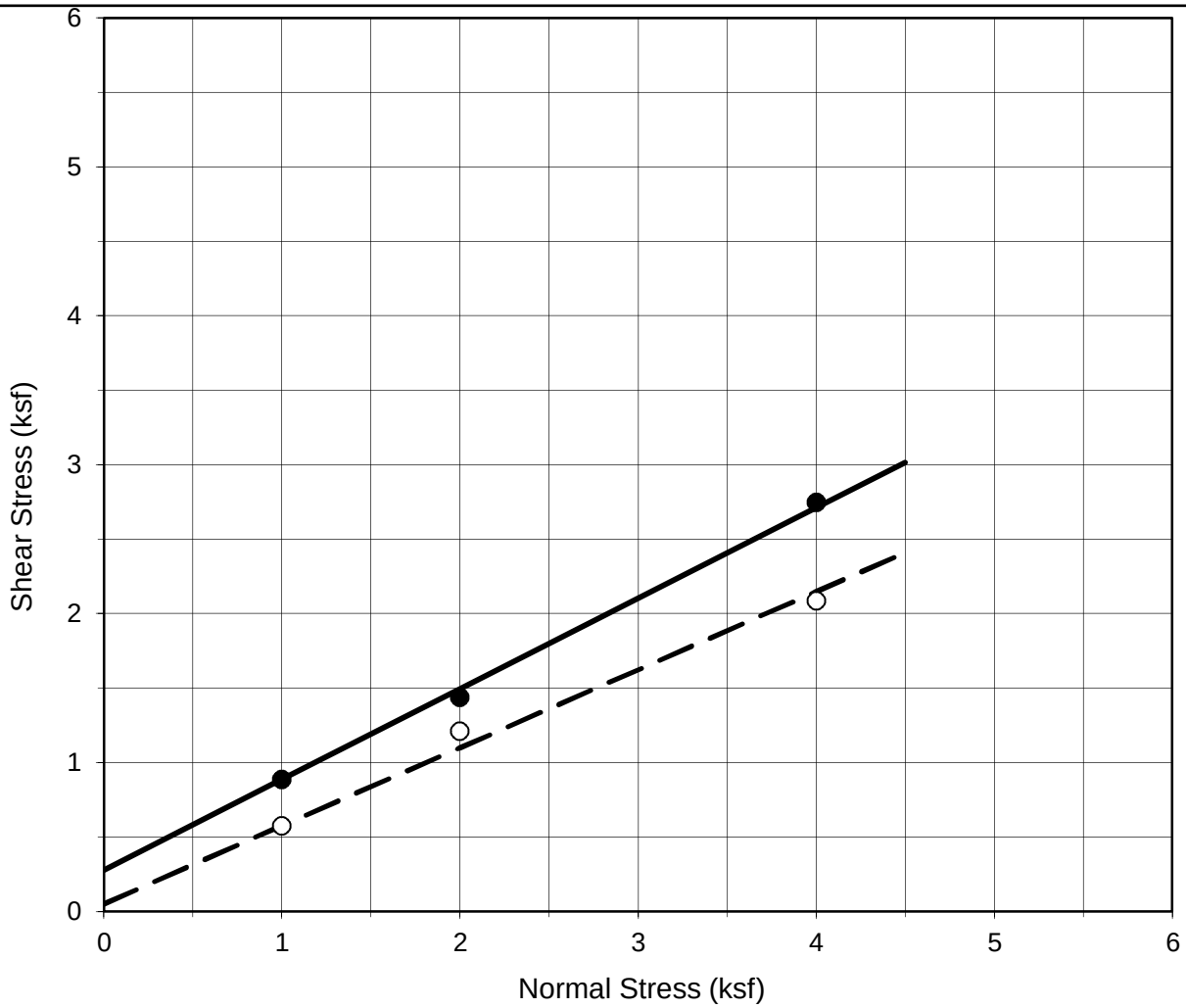
Figure B-6



SAMPLE	SAMPLE NO.	DEPTH (ft)	STRAIN RATE (in/min)	NORMAL STRESS (ksf)	PEAK STRESS (ksf)	ULTIMATE STRESS (ksf)
B-07	7	17.5	0.002	1.000	0.888	0.576
				2.000	1.440	1.212
				4.000	2.748	2.088

Sample Description: Lean CLAY (CL) Sample Type: Undisturbed

Test Condition: Saturated Initial Dry Density: 106 pcf

Moisture Content: (before) 19% (after) 22 %

INTERPRETED STRENGTH DATA	PEAK	ULTIMATE
COHESION (psf)	300	50
FRICTION ANGLE (deg)	31 °	28 °

DIRECT SHEAR TEST RESULTS
CONSOLIDATED DRAINED
(ASTM D3080)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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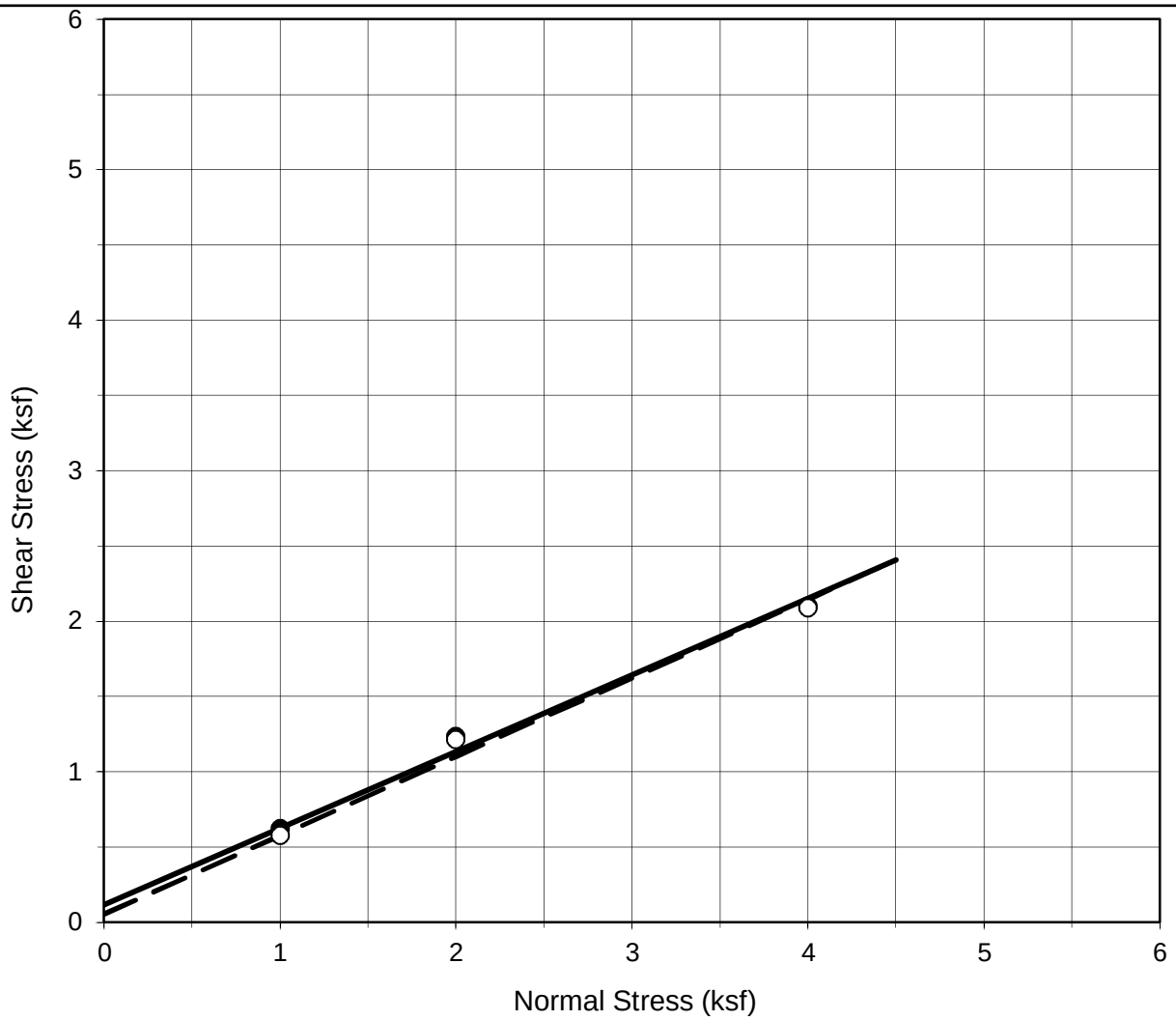
Figure B-7



SAMPLE	SAMPLE NO.	DEPTH (ft)	STRAIN RATE (in/min)	NORMAL STRESS (ksf)	PEAK STRESS (ksf)	ULTIMATE STRESS (ksf)
B-10	2	7.5	0.002	1.000	0.624	0.576
				2.000	1.236	1.212
				4.000	2.100	2.088

Sample Description: Lean CLAY (CL) Sample Type: Undisturbed

Test Condition: Saturated Initial Dry Density: 100 pcf

Moisture Content: (before) 16% (after) 24 %

INTERPRETED STRENGTH DATA	PEAK	ULTIMATE
COHESION (psf)	100	50
FRICTION ANGLE (deg)	27 °	28 °

DIRECT SHEAR TEST RESULTS
CONSOLIDATED DRAINED
(ASTM D3080)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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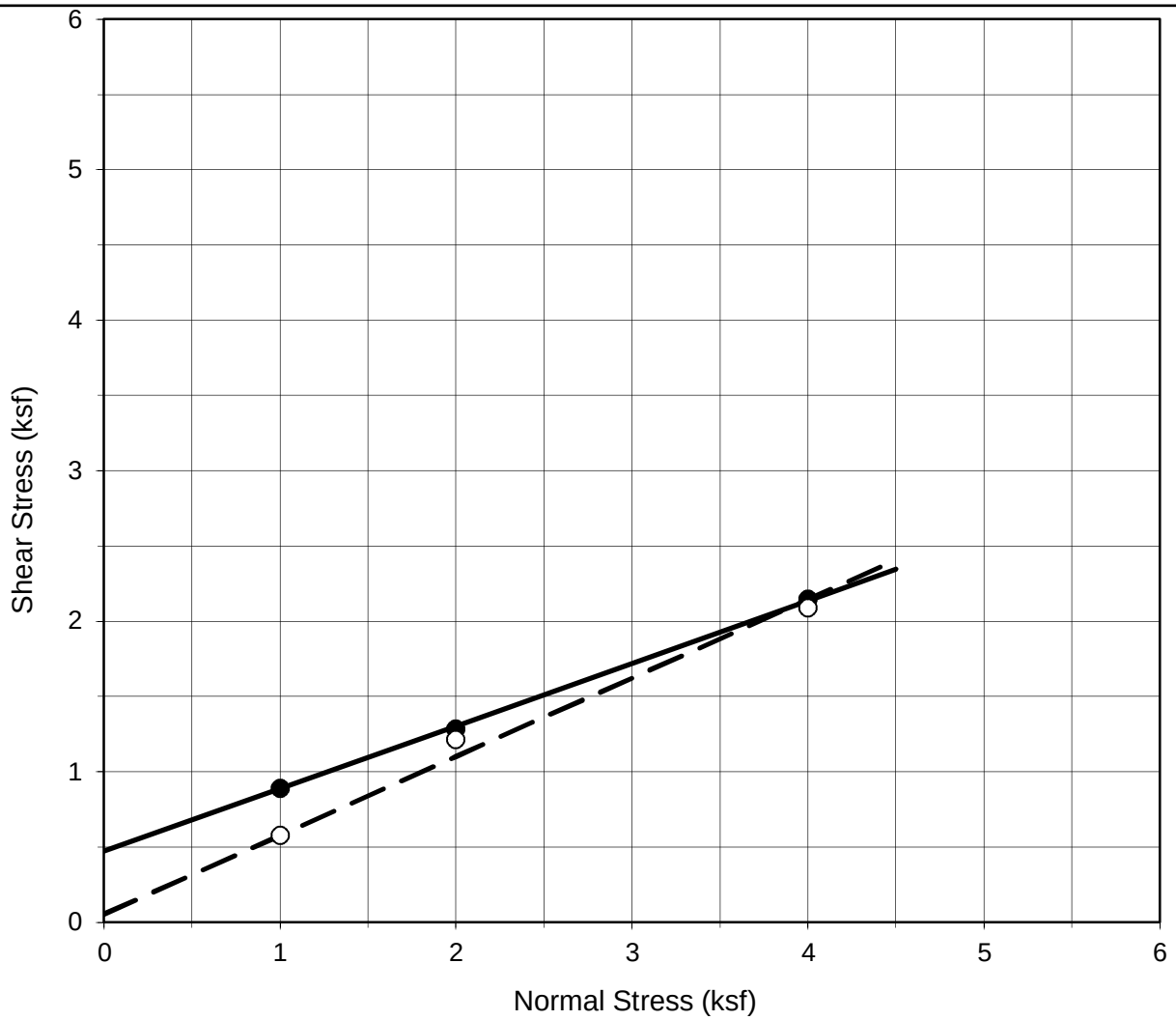
Figure B-8



SAMPLE	SAMPLE NO.	DEPTH (ft)	STRAIN RATE (in/min)	NORMAL STRESS (ksf)	PEAK STRESS (ksf)	ULTIMATE STRESS (ksf)
B-10	4	12.5	0.002	1.000	0.888	0.576
				2.000	1.284	1.212
				4.000	2.148	2.088

Sample Description: Lean CLAY (CL) Sample Type: Undisturbed

Test Condition: Saturated Initial Dry Density: 99 pcf

Moisture Content: (before) 21% (after) 24 %

INTERPRETED STRENGTH DATA	PEAK	ULTIMATE
COHESION (psf)	450	50
FRICTION ANGLE (deg)	23 °	28 °

DIRECT SHEAR TEST RESULTS
CONSOLIDATED DRAINED
(ASTM D3080)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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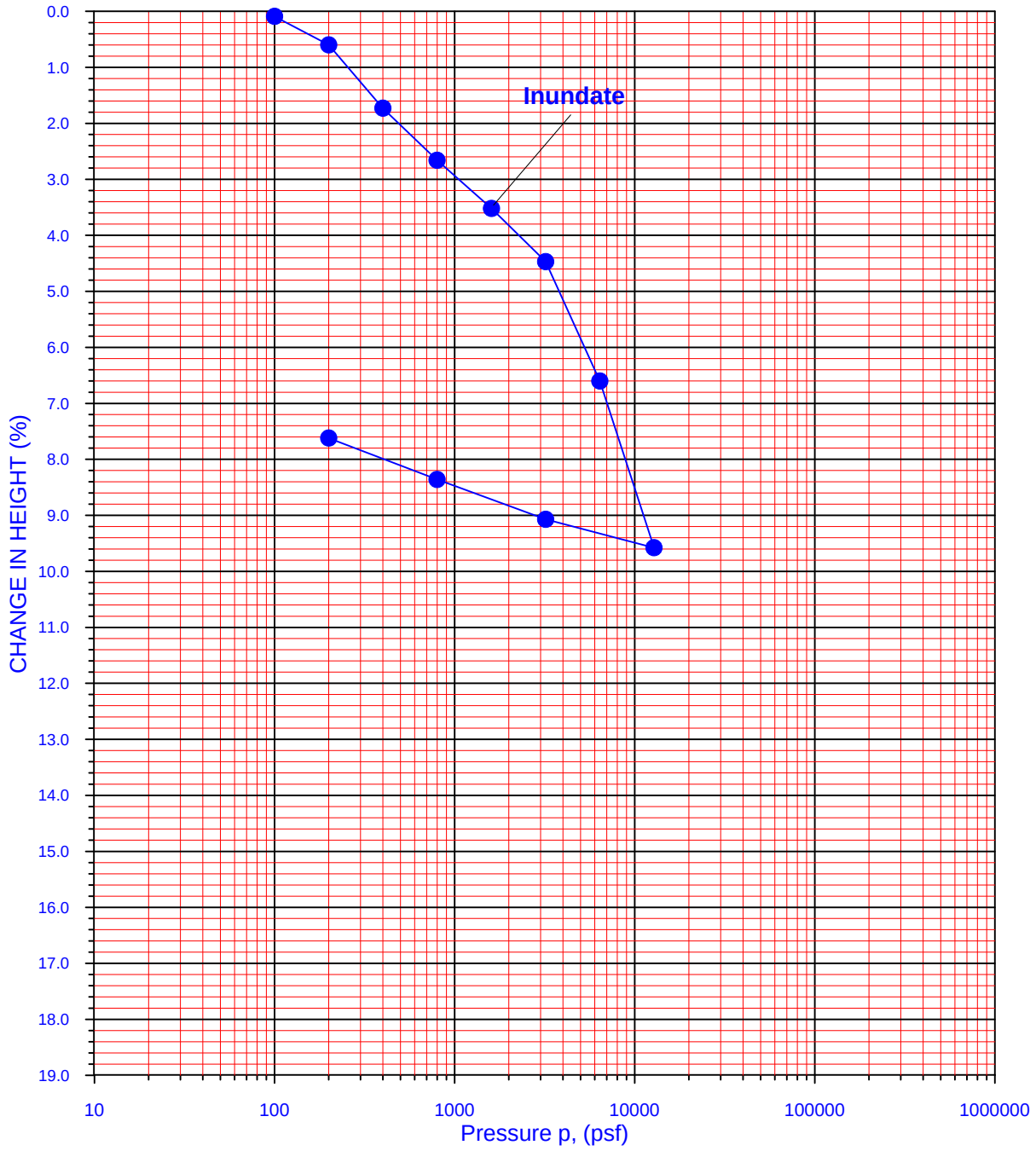
Figure B-9



BORING NO.	SAMPLE NO.	DEPTH (ft.)	MOISTURE CONTENT (%) Initial / Final	DRY DENSITY (pcf) Initial / Final	DEGREE OF SATURATION (%) Initial / Final
B-03	5	12.5	21 / 22	100 / 109	82 / 100

Sample Description: Silty SAND (SM)

ONE-DIMENSIONAL CONSOLIDATION
(ASTM D2435)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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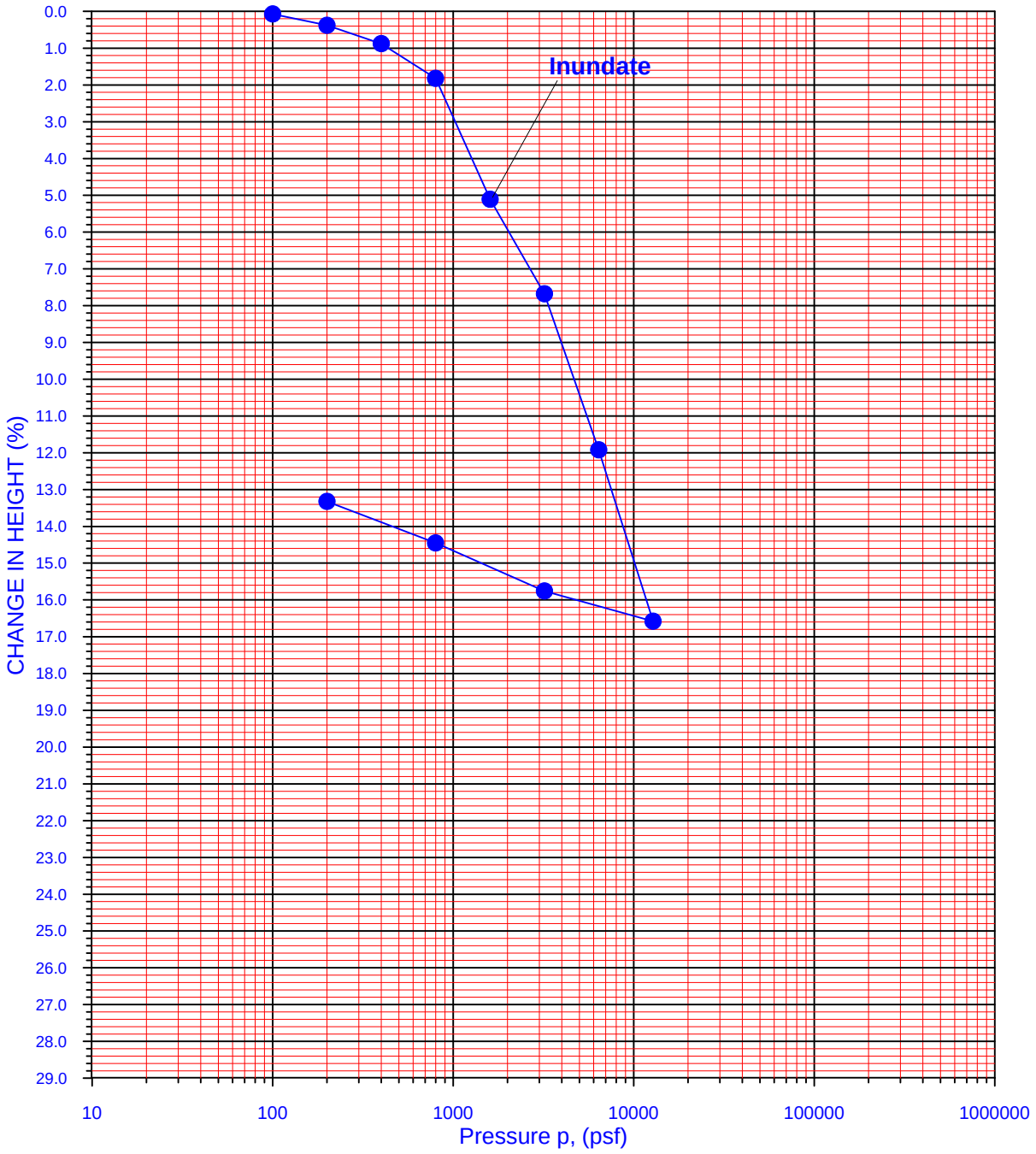
Figure B-10



BORING NO.	SAMPLE NO.	DEPTH (ft.)	MOISTURE CONTENT (%) Initial / Final	DRY DENSITY (pcf) Initial / Final	DEGREE OF SATURATION (%) Initial / Final
B-05	2	7.5	17 / 24	92 / 102	56 / 98

Sample Description: CLAY (CL)

ONE-DIMENSIONAL CONSOLIDATION
(ASTM D2435)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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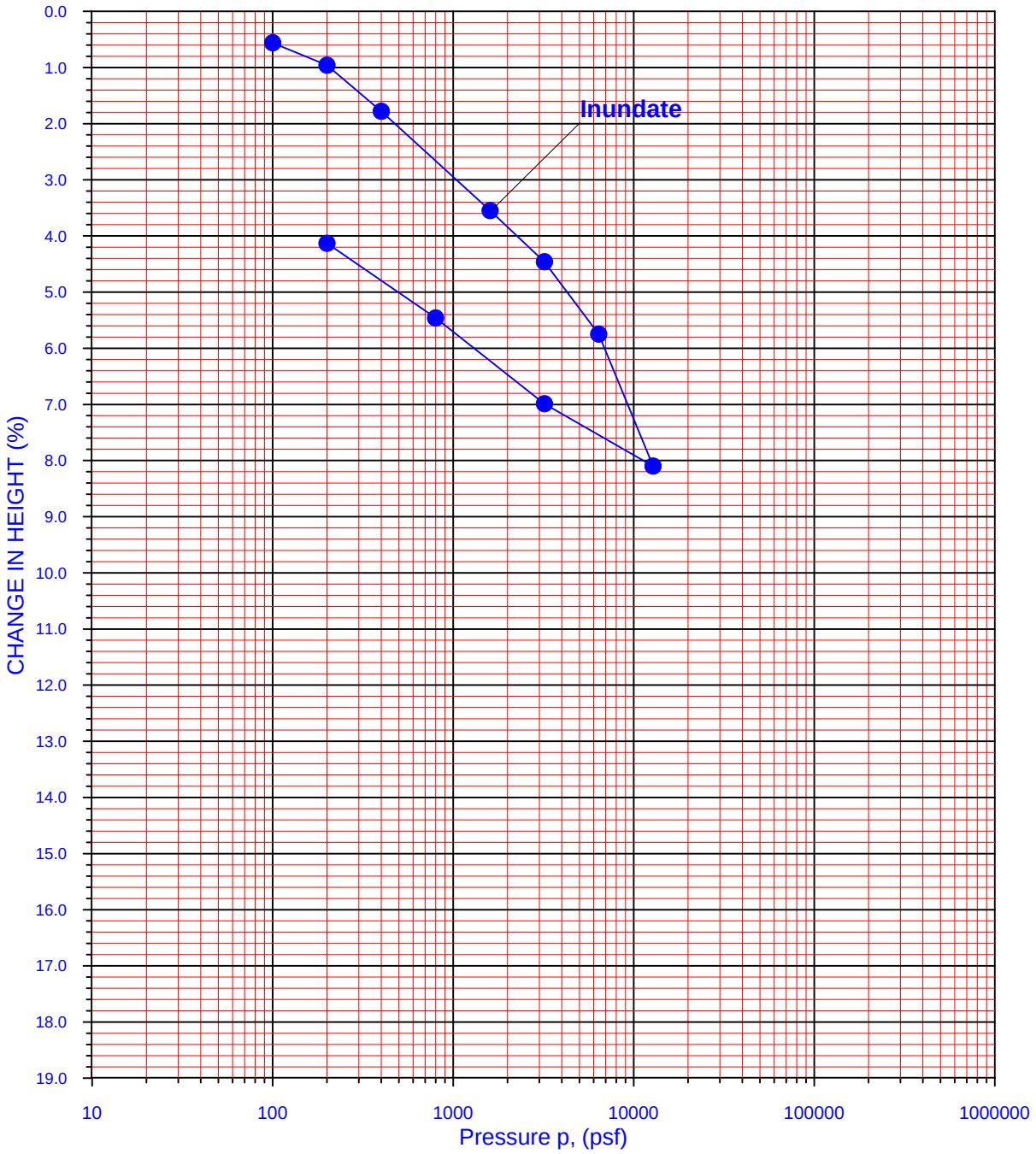
Figure B-11



BORING NO.	SAMPLE NO.	DEPTH (ft.)	MOISTURE CONTENT (%) Initial / Final	DRY DENSITY (pcf) Initial / Final	DEGREE OF SATURATION (%) Initial / Final
B-08	4	12.5	15 / 25	105 / 104	67 / 100

Sample Description: CLAY (CL)

ONE-DIMENSIONAL CONSOLIDATION
(ASTM D2435)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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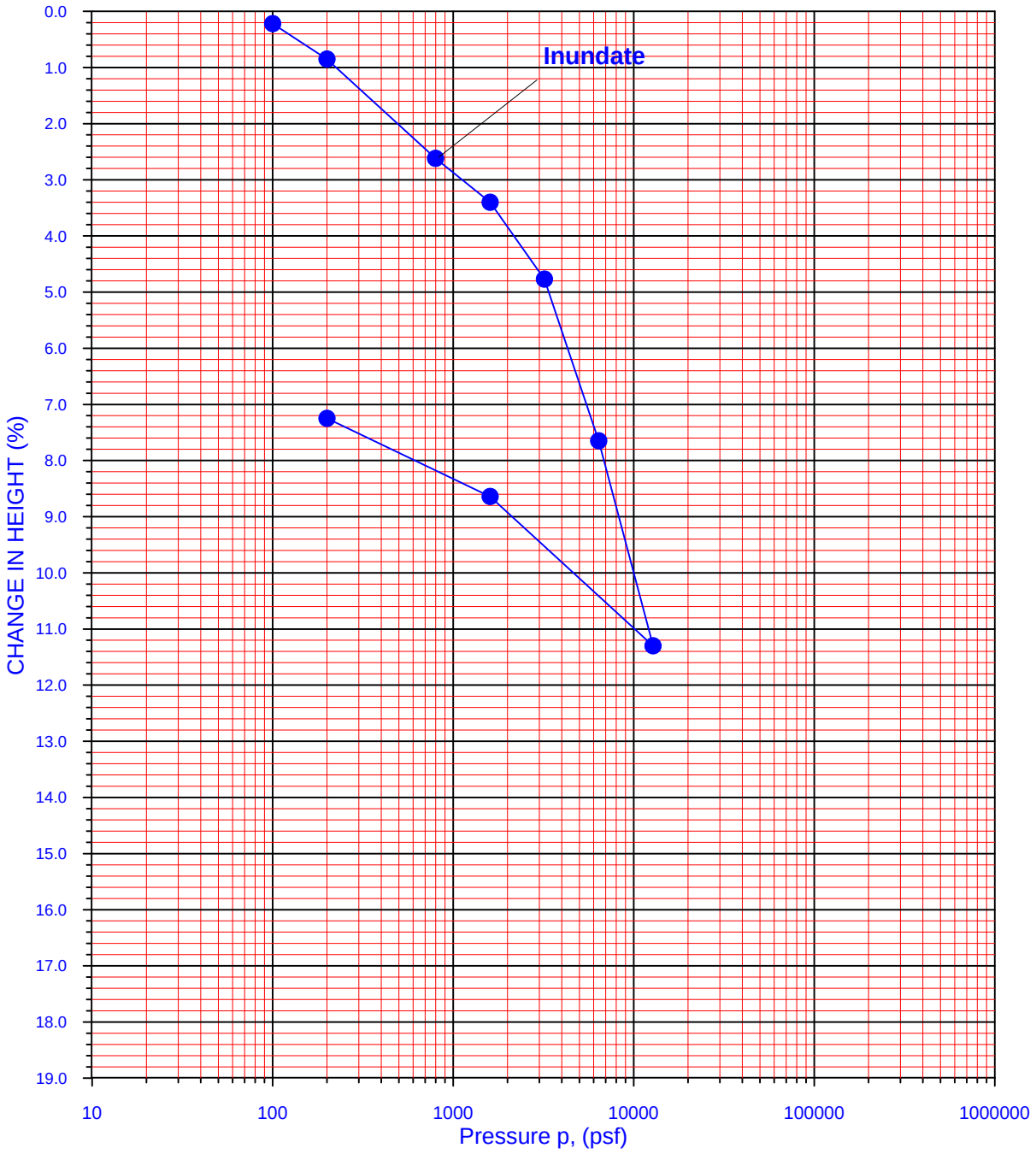
Figure B-12



BORING NO.	SAMPLE NO.	DEPTH (ft.)	MOISTURE CONTENT (%) Initial / Final	DRY DENSITY (pcf) Initial / Final	DEGREE OF SATURATION (%) Initial / Final
B-10	2	7.5	21 / 23	96 / 104	74 / 100

Sample Description: CLAY (CL)

ONE-DIMENSIONAL CONSOLIDATION
(ASTM D2435)

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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Figure B-13

SUMMARY OF CORROSION TEST RESULTS

PROJECT NAME: Lincoln High School

PROJECT NO.: 60541120

DATE: 5/18/2017

EGLAB JOB NO.: 17-008-004

CLIENT: AECOM

Summarized By: JT

BORING NO.	SAMPLE NO.	DEPTH (ft)	pH CalTrans 643	Chloride Content CalTrans 422 (ppm)	Sulfate Content CalTrans 417 (% by weight)	Minimum Resistivity CalTrans 643 (ohm-cm)
B-3	Bulk	0-5	8.35	125	0.006	1,020
B-6	Bulk	0-5	7.67	145	0.006	1,100

CORROSION TEST RESULTS

LINCOLN HIGH SCHOOL
3501 NORTH BROADWAY
LOS ANGELES, CA 90031
FOR: LOS ANGELES UNIFIED SCHOOL DISTRICT

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Figure B-14

APPENDIX C

APPENDIX C

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SECTION 1 INTRODUCTION

1.1 PURPOSES AND SCOPE OF WORK

The purpose of this task is to perform a site-specific ground motion study for the Lincoln High school. The scope consists of the following tasks:

1) Develop site-specific design response spectra at 5% damping applicable for the Lincoln High school in general conformance with ASCE 7-10 and ASCE 41-13 standards. The evaluation was performed using the ground motion prediction equations from NGA West 2 (Abrahamson et al., 2014; Boore, et al., 2014; Campbell and Bozorgnia, 2014; Chiou and Youngs, 2014) and UCERF3 (Field, et al., 2013). Design response spectra (5%-damped) were developed for the following hazard levels:

   a) Design Earthquake (DE) - Basic Safety Earthquake-1 for use with the Basic Performance Objective Equivalent to New Building Standards (BSE-1N): As defined by ASCE 41-13 Section 2.4.1.2., BSE-1N shaking corresponds to two-thirds of the BSE-2N ground shaking.

   b) Risk targeted Maximum Considered Earthquake (MCE_R) - Basic Safety Earthquake-2 for use with the Basic Performance Objective Equivalent to New Building Standards (BSE-2N): As defined by ASCE 41-13 Section 2.4.1.1., BSE-2N ground shaking is based on the Risk-Targeted Maximum Considered Earthquake per ASCE 7-10.

   It should be noted that MCE_R ground motions have a 2475-year Average Return Period (ARP) and the BSE-2N considers a full ground shaking due to $MCE_{R.}$, while BSE-1N carries a similar ARP but with reduced shaking, by definition.

2) Prepare this report to summarize the findings and to provide ground motion design recommendations.

SECTION 2 SEISMIC HAZARDS ANALYSIS

2.1 GENERAL

This section describes the design response spectrum for the site, considering a central location at the coordinate 34.074773N, 118.203312W. Procedures outlined in the ASCE 7-10 and ASCE 41-13 standards were followed during the development of the seismic hazard/ground motion evaluation. Acronyms and abbreviations used in the following discussion are summarized in Table 1.

Table 1 - ACRONYMS AND ABBREVIATIONS

TERM	DEFINITION
ASK14	Abrahamson et al. (2014)
BSSA14	Boore et al. (2014)
CB14	Campbell and Bozorgnia (2014)
CY14	Chiou and Youngs (2014)
deg	degrees
DSHA	Deterministic Seismic Hazard Analysis
PSHA	Probabilistic Seismic Hazard Analysis
GMPE	Ground Motion Prediction Equation
HW	Hanging wall
km	kilometer
m/s	meters per second
MCE_R	Probabilistic (Risk Targeted) Maximum Considered Earthquake
NGA-W2	Next Generation Attenuation West 2
Sa	Pseudo-Spectral Acceleration
SCEC	Southern California Earthquake Center
UCERF3	Uniform California Earthquake Rupture Forecast, Version 3
yr	year
F_a	Short-period site coefficient (at 0.2-second period)
F_v	Long-period site coefficient (at 1.0-second period)
S_1	Spectral response acceleration parameter at 1-second period, obtained from response acceleration contour maps
S_S	Spectral response acceleration parameter at short periods, obtained from response acceleration contour maps
S_{XS}	Spectral response acceleration parameter at short periods for the selected Seismic Hazard Level and damping, adjusted for site class
S_{X1}	Spectral response acceleration parameter at 1-second period for any Seismic Hazard Level and any damping, adjusted for site class
B_1	Damping coefficient used to adjust spectral response for the effect of viscous damping
T_0	Period at which the constant acceleration region of the design response spectrum begins at a value = 0.2 T_S
T_S	Characteristic period of the response spectrum at which the constant acceleration segment of the response spectrum transitions to the constant velocity segment
$Z_{1.0}$	Depth in km to shear wave velocity of 1.0 km/s
$Z_{2.5}$	Depth in km to shear wave velocity of 2.5 km/s

2.1.1 Seismic Source Characterization

The site is in an area characterized by active faults and seismicity. Figure 1 shows the locations of select major faults relative to the site. The characteristics of the aforementioned faults and other faults at about 20km radius are summarized in Table 2.

Table 2 - MAJOR FAULT CHARACTERIZATION

FAULT	APPROXIMATE DISTANCE[1] (kilometers)	TYPE OF FAULT[2]	MAXIMUM EARTQUAKE MAGNITUDE[2] (Mw)
Elysian_Park_Upper	3.2	Reverse	6.60
Raymond	5.1	Strike Slip	6.65
Hollywood	5.5	Strike Slip	6.60
Puente_Hills_LA	7.0	Reverse	6.90
Verdugo	7.8	Reverse	6.80
Elysian_Park_Lower	12.0	Reverse	6.70
Puente_Hills_SF	12.1	Reverse	6.55

Notes:
1. Distance to fault, which is defined as the shortest distance from a site to a rupture surface.
2. Fault characterization based on Field et al., 2013.

The geometry and location of these faults have been adopted from the Uniform California Earthquake Rupture Forecast, version 3 (UCERF3) (Field et al., 2013) source model. The maximum magnitude of each fault scenario was taken from UCERF2. The three deterministic seismic sources with the highest contribution to the seismic hazard of the site were considered separately for the site: Puente Hills LA, Elysian Park Upper and Puente Hills SF. Table 3 lists these fault scenarios and their characteristics as derived from UCERF3.

Table 3 - UCERF3 SCENARIOS CONSIDERED IN THE DETERMINISTIC SEISMIC HAZARD

PARAMETER	SEISMIC SOURCE		
	PUENTE HILLS LA	ELYSIAN PARK UPPER	PUENTE HILLS SF
Closest Distance, Rrup (km)	6.98	3.17	12.15
Max Mw	6.90	6.60	6.55
Dip Angle (deg)	27.0	50.0	29.0
Fault Mechanism	Reverse	Reverse	Reverse
Rupture Top, Ztor (km)	2.1	3.0	2.8
Rupture Bottom (km)	15.0	15.0	15.0
Length (km)	22.0	28.7	11.5
Down Dip Width (km)	28.4	15.7	25.2

2.1.2 Site Conditions

The time-averaged shear wave velocity in the upper 30 meters was determined to be 300 m/s.

In the absence of direct measurements, the parameters Z1.0 and Z2.5 (depth to shear wave velocity of 1.0 and 2.5 km/s, respectively) have been estimated from Vs30; the parameter Z1.0 using equation 17 from Abrahamson and Silva (2008) and the parameter Z2.5 using equation 6.9 in Campbell and Bozorgnia (2013), which correlates the Z2.5 with Vs30 for a database of site conditions at strong motion recording sites in California.

2.1.3 Design Criterion

The design spectrum is based on the procedures described in ASCE41-13 Standard, as they are defined in §2.4 for the BSE-2N, BSE-1N, BSE-2E, BSE-1E Seismic Hazard Levels.

2.1.3.1 BSE-2N and BSE-1N Seismic Hazard Levels

The site-specific response acceleration parameters for the BSE-2N Seismic Hazard Level is determined based on the provisions in Chapter 21 of ASCE 7-10. The site-specific response acceleration parameters for the BSE-1N Seismic Hazard Level is two-thirds (2/3) of the BSE-2N response acceleration parameters.

2.1.3.2 BSE-2E and BSE-1E Seismic Hazard Levels

The site-specific response acceleration parameters for the BSE-2E Seismic Hazard Level is taken as the smaller of the following:

- The values of the parameters from mean probabilistic site specific spectra at the 5%/50-year probability of exceedance adjusted for maximum direction; or
- The values of the parameters determined for the BSE-2N Seismic Hazard Level.

The site-specific response acceleration parameters for the BSE-1E Seismic Hazard Level is taken as the values of the parameters from mean probabilistic site-specific spectra at the 20%/50-year probability of exceedance adjusted for maximum direction (ASCE41-13, Section C2.4.1). The adjustment to get "maximum direction values" from "geomean values" is a factor of 1.1 for the short-period parameters and 1.3 for the long-period parameters. For adjustments of the intermediate periods a linear interpolation is applied.

2.1.3.3 Effect of fault-normal and fault-parallel motions

Based on the provisions of ASCE41-13, Section 2.4.2.1, for sites located within 3mi (5km) of an active fault that controls the hazard of the site-specific response spectra, the effect of fault-normal and fault-parallel motions shall be considered. In lieu of a more detailed assessment, the fault-parallel response spectrum can be taken as the maximum direction spectrum adjusted as follows:

- 1/1.1 (0.91) times the ordinates of the fault-normal response spectrum for periods less than or equal to 0.2 s;
- 1/1.3 (0.77) times the ordinates of the fault-normal response spectrum for periods equal to or greater than 1.0 s; and
- Interpolation can be used for periods between 0.2s and 1.0s.

The same adjustment is also applied to the General Response Spectrum per section 2.4.2.1.2.

2.2 DESIGN SPECTRUM DEVELOPMENT

2.2.1 Ground Motion Prediction Equations

We used the ground motion models for shallow crustal earthquakes in tectonically active regions (NGA-W2) which were developed by the Pacific Earthquake Engineering Research Center (PEER) NGA-West 2 project in 2013. The reference documents for these GMPEs for the aforementioned PEER project are:

- ASK14: Abrahamson et al (2014),
- BSSA14: Boore et al (2014);
- CB14: Campbell and Bozorgnia (2014),
- CY14: Chiou and Youngs (2014), and
- I14: Idriss (2014).

Each model provides the logarithmic standard deviation of the median spectral acceleration prediction, from which the 84th percentile (median plus one standard deviation) spectrum is derived. All models were given equal weights, with the exception of the Idriss model which was omitted. It is judged that the Idriss model is not suitable for the subject site since it does not incorporate 'hanging wall' effects, which are significant for the project, and does not address sites having Vs30 less than 450 meters per second. The parameters used in the NGA-W2 relations are defined in Table 4 and the parameter values used are listed in Table 5.

Table 4 - 2014 NGA-W2 GMPES INPUT PARAMETER DEFINITIONS

PARAMETER	DEFINITION
M_w	Moment magnitude
R_{rup}	Closest distance to coseismic rupture (km), used in ASK13, CB13 and CY13
R_{jb}	Closest distance to surface projection of coseismic rupture (in km).
R_x	Horizontal distance from top of rupture measured perpendicular to fault strike (km), used in ASK13, CB13 and CY13.
Ry_0	The horizontal distance off the end of the rupture measured parallel to strike (km), used in ASK13.
FRV	Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
FNM	Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique, thrust and normal-oblique; 1 for normal
FHW	Hanging-wall factor: 1 for site on down-dip side of top of rupture; 0 otherwise, used in ASK13, CB13 and CY13
Z_{tor}	Depth to top of coseismic rupture (km), used in ASK13, CB13 and CY13
Dip	Average dip of rupture plane (degrees), used in ASK13, CB13 and CY13
V_{s30}	Time-averaged shear-wave velocity in 30m of site profile in meters per second
Vs30Flag	V_{s30} Factor: 1 if V_{S30} is measured, 0 if V_{s30} is inferred, used in ASK13 and CY13
$Z_{1.0}$	Depth to 1.0 km/sec velocity horizon (km), used in ASK13, BSSA13 and CY13.
$Z_{2.5}$	Depth of 2.5 km/s shear-wave velocity horizon (km), used in CB13
Width	Fault rupture width (in km), used in ASK13 and CB13
FAS	Aftershock factor: 0 for mainshock; 1 for aftershock, used in ASK13
δDPP	Directivity term, direct point parameter; uses 0 for median predictions, used in CY13

Notes:
1. See Table 4 for definitions of ASK13, BSSA13, CB13 and CY13 ground motion models.

Table 5 - PARAMETERS USED IN NGA-W2 GMPES

PARAMETER	SEISMIC SOURCE		
	PUENTE HILLS LA	ELYSIAN PARK UPPER	PUENTE HILLS SF
M_w	6.9	6.6	6.55
R_{rup}	6.98	3.17	12.15
R_{jb}	0.0	0	2.70
R_x	10.63	1.02	19.36
Ry_0	0.0	0.0	2.69
FRV	1	1	1
FNM	0	0	0
FHW	1	1	0
Z_{tor}	2.1	3.0	2.8
Dip	27.0	50.0	29.0
V_{s30}	300	300	300
Vs30Flag	0	0	0
$Z_{1.0}$	0.43	0.43	0.43
$Z_{2.5}$	1.76	1.76	1.76
Width	28.4	15.7	25.2
FAS	0	0	0
δDPP	0	0	0
Notes:			

2.2.2 Deterministic Seismic Hazard Analysis

The deterministic site-specific response spectrum was developed by considering the faults described above, using their characteristics summarized in Table 3. We developed 5% damped response spectra using the NGA-W2 GMPEs. The median and median plus one standard deviation (also known as the 84th percentile) ground motion levels were computed using the detailed NGA-W2 GMPE parameters listed in Table 5 (see Table 4 for a description of these parameters). The geometric average of the four NGA-W2 84th percentile spectra was computed for each fault scenario. The dominant fault at all spectral periods is the Puente Hills LA fault. These response spectra are plotted together in Figure 2 and spectral accelerations are listed in Table 6.

The deterministic MCE_R response spectrum was defined as the envelope of the maximum response spectra of the three seismic sources considered in the analysis, adjusted for the maximum direction. The minimum deterministic response spectrum (lower limit) was defined using the following assumptions: F_a

of 1.0, F_v of 1.5, S_s of 1.5 and S_1 of 0.6, based on the provisions of ASCE7-10, Section 21.2.2. These parameters are defined in Table 4. The spectral acceleration values are listed in Table 6 and the corresponding spectra are shown in Figure 3. The maximum direction adjustment values are listed in Table 7.

Table 6 - 84TH PERCENTILE DETERMINSTIC SPECTRAL ACCELERATIONS USING NGA-W2 GMPES AT 5% DAMPING

PER (s)	SEISMIC SOURCE			ENVELOPE SPECTRA (g)	MAX DIRECTION FACTOR	DETERMINISTIC MCE_R (g)	MINIMUM CODE-REQUIRED DETERMINISTIC (g)
	PUENTE HILLS LA (g)	ELYSIAN PARK UPPER (g)	PUENTE HILLS SF (g)				
0.010	1.0104	0.9016	0.7479	1.0104	1.100	1.1115	0.6000
0.020	1.0139	0.9070	0.7499	1.0139	1.100	1.1153	0.6643
0.030	1.0267	0.9205	0.7653	1.0267	1.100	1.1293	0.7286
0.050	1.1347	1.0178	0.8607	1.1347	1.100	1.2482	0.8571
0.075	1.3513	1.2163	1.0460	1.3513	1.100	1.4864	1.0179
0.100	1.5564	1.4014	1.2281	1.5564	1.100	1.7121	1.1786
0.150	1.8351	1.6698	1.4766	1.8351	1.100	2.0186	1.5000
0.200	2.0763	1.8702	1.6654	2.0763	1.100	2.2840	1.5000
0.250	2.2588	2.0436	1.7726	2.2588	1.113	2.5129	1.5000
0.300	2.4405	2.1836	1.8561	2.4405	1.125	2.7456	1.5000
0.400	2.5323	2.2222	1.8240	2.5323	1.150	2.9122	1.5000
0.500	2.4264	2.1110	1.6871	2.4264	1.175	2.8511	1.5000
0.750	1.9641	1.6928	1.2903	1.9641	1.238	2.4306	1.5000
1.000	1.5264	1.3419	0.9582	1.5264	1.300	1.9843	1.5000
1.500	0.9739	0.8550	0.5809	0.9739	1.325	1.2904	1.2000
2.000	0.6658	0.5875	0.3835	0.6658	1.350	0.8989	0.9000
3.000	0.3502	0.3247	0.1896	0.3502	1.400	0.4903	0.6000
4.000	0.2028	0.1910	0.1050	0.2028	1.450	0.2941	0.4500

Table 7 - MAXIMUM DIRECTION AND RISK COEFFICIENT VALUES

PERIOD (s)	MAXIMUM DIRECTION	RISK COEFFICIENT
0.010	1.100	0.938
0.020	1.100	0.938
0.030	1.100	0.938
0.050	1.100	0.938
0.075	1.100	0.938
0.100	1.100	0.938
0.150	1.100	0.938
0.200	1.100	0.938
0.250	1.113	0.939
0.300	1.125	0.939
0.400	1.150	0.941
0.500	1.175	0.942
0.750	1.238	0.945
1.000	1.300	0.948
1.500	1.325	0.948
2.000	1.350	0.948
3.000	1.400	0.948
4.000	1.450	0.948

2.2.3 Probabilistic Seismic Hazard Analysis

To establish the average uniform hazard response spectra at the 2%/50yr, 5%/50yr and 20%/50yr probability of exceedance levels, we performed a probabilistic seismic hazard analysis using the SCEC/USGS/CGS OpenSHA computer code. The OpenSHA software of the Southern California Earthquake Center (SCEC, 2013) has been lately updated to incorporate the UCERF3 models (Field et al., 2013) and NGA-W2 GMPEs. The uniform hazard response spectra at 5% damping for the four NGA-W2 GMPEs as well as their average (i.e. the average of the logarithms) are plotted together in Figure 4. Table 8 lists the uniform hazard response spectra accelerations corresponding to this figure.

To compute the probabilistic (Risk-Targeted) MCE_R ground motions, we multiplied the average probabilistic response spectra, listed in Table 8, by maximum direction values and risk coefficients (listed in Table 7 and 8) according to ASCE7-10 (Section 21.2.1.1) provisions. The probabilistic MCE_R ground motions are shown in Figure 4. The probabilistic MCE_R ground motion values are listed in Table 8.

For convenience, the 2%50-year, the 5%/50-year and the 20%/50-year probability of exceedance uniform hazard response spectra values are listed in Table 9.

Table 8 - PROBABILISTIC UNIFORM HAZARD SPECTRAL ACCELERATIONS FOR 2%/50YR PROBABILITY OF EXCEEDANCE AT 5% DAMPING

PERIODS (s)	ASK14 (g)	BSSA14 (g)	CB14 (g)	CY14 (g)	AVERAGE SPECTRA (g)	MAXIMUM DIRECTION	RISK COEFFICIENT	PROBABILISTIC MCE_R (g)
0.010	0.9344	1.1225	0.7281	0.9624	0.9259	1.100	0.938	0.9554
0.020	0.9312	1.1068	0.7464	0.9775	0.9312	1.100	0.938	0.9608
0.030	0.8931	1.1569	0.7962	1.0272	0.9588	1.100	0.938	0.9893
0.050	0.9303	1.4088	0.9324	1.1500	1.0888	1.100	0.938	1.1234
0.075	1.0842	1.8547	1.1679	1.3663	1.3384	1.100	0.938	1.3810
0.100	1.2944	2.1718	1.3514	1.5790	1.5650	1.100	0.938	1.6148
0.150	1.7500	2.4000	1.4896	1.8825	1.8525	1.100	0.938	1.9114
0.200	2.1349	2.3906	1.5560	2.1462	2.0318	1.100	0.938	2.0964
0.250	2.3973	2.3469	1.6573	2.3257	2.1580	1.113	0.939	2.2534
0.300	2.5658	2.3406	1.8034	2.3995	2.2579	1.125	0.939	2.3858
0.400	2.5585	2.1886	1.8856	2.3759	2.2380	1.150	0.941	2.4206
0.500	2.3140	2.0808	1.8553	2.2831	2.1252	1.175	0.942	2.3516
0.750	1.6677	1.6364	1.6567	1.8805	1.7076	1.238	0.945	1.9967
1.000	1.2759	1.3544	1.3715	1.5109	1.3756	1.300	0.948	1.6953
1.500	0.8602	0.8815	0.9452	0.9981	0.9197	1.325	0.948	1.1552
2.000	0.6039	0.6440	0.6928	0.7183	0.6633	1.350	0.948	0.8489
3.000	0.3637	0.4143	0.4453	0.4005	0.4049	1.400	0.948	0.5373
4.000	0.2572	0.3037	0.2877	0.2387	0.2706	1.450	0.948	0.3720

Note:

- See Table 1 for acronyms and abbreviations.

Table 9 - PROBABILISTIC SITE-SPECIFIC UNIFORM HAZARD SPECTRAL ACCELERATIONSFOR 5%/50-YR AND 20%/50-YR PROBABILITY OF EXCEEDANCE AT 5% DAMPING

PERIOD (s)	2%/50-YR SA (g)	5%/50-YR SA (g)	20%/50-YR SA (g)
0.010	0.9259	0.6997	0.3962
0.020	0.9312	0.7033	0.3972
0.030	0.9588	0.7253	0.4112
0.050	1.0888	0.8260	0.4751
0.075	1.3384	1.0193	0.5954
0.100	1.5650	1.1986	0.7089
0.150	1.8525	1.4258	0.8527
0.200	2.0318	1.5583	0.9215
0.250	2.1580	1.6373	0.9461
0.300	2.2579	1.6870	0.9449
0.400	2.2380	1.6305	0.8695
0.500	2.1252	1.5250	0.7876
0.750	1.7076	1.1919	0.5849
1.000	1.3756	0.9449	0.4467
1.500	0.9197	0.6253	0.2875
2.000	0.6633	0.4489	0.2040
3.000	0.4049	0.2739	0.1242
4.000	0.2706	0.1845	0.0842

2.2.4 Site-Specific Design Response Spectrum (BSE-2N, BSE-1N, BSE-2E and BSE-1E Seismic Hazard Levels)

For the calculation of the site-specific MCE_R response spectrum, we followed the provisions of Chapter 21 of ASCE7-10. According to the procedure, the site-specific MCE_R response spectrum is the lesser of the deterministic and the probabilistic MCE_R.

Based on the provisions of ASCE41-13, Section 2.4.1.7.1, the site-specific design response spectrum should be determined as the maximum of the MCE_R spectrum and of the 80% of the General Response Spectrum values. The design short-period spectral response acceleration parameter, S_{XS}, and the design spectral response acceleration parameter at a 1-s period, S_{X1}, used to define the General Response Spectrum, were based on the mapped values in the ASCE7-10 Standard modified accordingly for Site Class C. These parameters for all ground motion levels are listed in Table 10.

The 80% of the General Response Spectrum and the site-specific design response spectrum (BSE-2N) both at 5% damping are plotted in Figure 5 and the corresponding values are listed in Table 11. The response spectra for the fault parallel component for the BSE-2N ground motion level together with the fault parallel adjustment are also listed in Table 11.

The General Response Spectra values for the BSE-1N, BSE-2E and BSE-1E ground motion levels are listed in Table 12. The site-specific response spectra for these ground motion levels are listed in Table 13. The site-specific response spectra for all ground motion levels, together with the corresponding General Response Spectra are plotted in Figure 6 and Figure 7 for the maximum direction and fault parallel components, respectively.

Table 10 - GENERAL RESPONSE SPECTRA PARAMETERS AT 5% DAMPING

PARAMETER	BSE-2N	BSE-1N	BSE-2E	BSE-1E
F_a	1.000	1.000	1.000	1.129
F_v	1.500	1.500	1.500	1.745
S_1	0.928	0.928	0.682	0.327
S_S	2.670	2.670	1.992	0.927
S_{XS}	2.670	1.780	1.992	1.047
S_{X1}	1.393	0.928	1.023	0.571
B_1	1.002	1.002	1.002	1.002

Note:
See Table 1 for abbreviations.

Table 11 - SITE-SPECIFIC BSE-2N SPECTRAL ACCELERATIONS AT 5% DAMPING

PERIOD (s)	DSHA MCE_R (g)	MINIMUM DSHA MCE_R (g)	PSHA MCE_R (g)	GENERAL RESPONSE Sa (g)	80% GENERAL RESPONSE Sa (g)	FAULT PARALLEL ADJUSTMENT	BSE-2N SA (g)	BSE-2N SA FAULT PARALLEL (g)
0.010	1.1115	0.600	0.9554	1.2211	0.9769	0.91	0.9769	0.8890
0.020	1.1153	0.664	0.9608	1.3743	1.0994	0.91	1.0994	1.0005
0.030	1.1293	0.729	0.9893	1.5274	1.2219	0.91	1.2219	1.1120
0.050	1.2482	0.857	1.1234	1.8337	1.4670	0.91	1.4670	1.3349
0.075	1.4864	1.018	1.3810	2.2165	1.7732	0.91	1.7732	1.6136
0.100	1.7121	1.179	1.6148	2.5994	2.0795	0.91	2.0795	1.8924
0.150	2.0186	1.500	1.9114	2.6637	2.1310	0.91	2.1310	1.9392
0.200	2.2840	1.500	2.0964	2.6637	2.1310	0.91	2.1310	1.9392
0.250	2.5129	1.500	2.2534	2.6637	2.1310	0.90	2.2534	2.0281
0.300	2.7456	1.500	2.3858	2.6637	2.1310	0.89	2.3858	2.1234
0.400	2.9122	1.500	2.4206	2.6637	2.1310	0.87	2.4206	2.1059
0.500	2.8511	1.500	2.3516	2.6637	2.1310	0.86	2.3516	2.0224
0.750	2.4306	1.200	1.9967	1.8516	1.4813	0.81	1.9967	1.6173
1.000	1.9843	0.900	1.6953	1.3887	1.1110	0.77	1.6953	1.3054
1.500	1.2904	0.600	1.1552	0.9258	0.7406	0.77	1.1552	0.8895
2.000	0.8989	0.450	0.8489	0.6944	0.5555	0.77	0.8489	0.6536
3.000	0.4903	0.300	0.5373	0.4629	0.3703	0.77	0.4903	0.3775
4.000	0.2941	0.225	0.3720	0.3472	0.2777	0.77	0.2941	0.2264

Table 12 - GENERAL RESPONSE SPECTRA AT 5% DAMPING

PERIOD (s)	GENERAL RESPONSE Sa BSE-1N (g)	GENERAL RESPONSE Sa BSE-2E (g)	GENERAL RESPONSE Sa BSE-1E (g)
0.010	0.8141	0.9128	0.4760
0.020	0.9162	1.0289	0.5334
0.030	1.0183	1.1449	0.5908
0.050	1.2225	1.3770	0.7056
0.075	1.4777	1.6670	0.8490
0.100	1.7329	1.9571	0.9925
0.150	1.7758	1.9873	1.0441
0.200	1.7758	1.9873	1.0441
0.250	1.7758	1.9873	1.0441
0.300	1.7758	1.9873	1.0441
0.400	1.7758	1.9873	1.0441
0.500	1.7758	1.9873	1.0441
0.750	1.2344	1.3608	0.7590
1.000	0.9258	1.0206	0.5693
1.500	0.6172	0.6804	0.3795
2.000	0.4629	0.5103	0.2846
3.000	0.3086	0.3402	0.1898
4.000	0.2315	0.2551	0.1423

Table 13 - SITE-SPECIFIC BSE-1N, BSE-2E and BSE-1E SPECTRAL ACCELERATIONS AT 5% DAMPING

PERIOD (s)	BSE-1N SA (g)	BSE-1N SA FAULT PARALLEL (g)	BSE-2E SA (g)	BSE-2E SA FAULT PARALLEL (g)	BSE-1E SA (g)	BSE-1E SA FAULT PARALLEL (g)
0.010	0.6513	0.5927	0.7697	0.7004	0.4358	0.3966
0.020	0.7329	0.6670	0.7737	0.7490	0.4370	0.3976
0.030	0.8146	0.7413	0.7978	0.8335	0.4523	0.4301
0.050	0.9780	0.8900	0.9087	1.0024	0.5226	0.5136
0.075	1.1822	1.0758	1.1212	1.2136	0.6550	0.6181
0.100	1.3863	1.2616	1.3185	1.4248	0.7798	0.7225
0.150	1.4206	1.2928	1.5684	1.4468	0.9380	0.8535
0.200	1.4206	1.2928	1.7141	1.5599	1.0136	0.9224
0.250	1.5023	1.3520	1.8215	1.6393	1.0526	0.9473
0.300	1.5905	1.4156	1.8978	1.6891	1.0630	0.9461
0.400	1.6137	1.4039	1.8751	1.6313	0.9999	0.8699
0.500	1.5677	1.3483	1.7919	1.5410	0.9255	0.7959
0.750	1.3311	1.0782	1.4750	1.1947	0.7238	0.5863
1.000	1.1302	0.8703	1.2284	0.9459	0.5807	0.4471
1.500	0.7701	0.5930	0.8285	0.6380	0.3810	0.2933
2.000	0.5659	0.4358	0.6060	0.4666	0.2754	0.2120
3.000	0.3269	0.2517	0.3835	0.2953	0.1739	0.1339
4.000	0.1960	0.1509	0.2675	0.2060	0.1220	0.0940

2.2.5 Design Spectral Response Acceleration Parameters

The values of the BSE-2N, BSE-1N, BSE-2E, BSE-1E Seismic Hazard Levels parameters are listed in Table 13 and for the fault parallel component in Table 14.

Table 14 - SITE SPECIFIC SPECTRAL ACCELERATION PARAMETERS AT 5% DAMPING

PARAMETER	SEISMIC HAZARD LEVELS			
	BSE-2N	BSE-1N	BSE-2E	BSE-1E
S_{XS}	2.179	1.708	1.714	1.014
S_{X1}	1.698	1.132	1.228	0.581
T_0	0.779	0.663	0.717	0.573
T_S	0.156	0.133	0.143	0.115

Note:
- See Table 1 for abbreviations.

Table 15 - SITE SPECIFIC SPECTRAL ACCELERATION PARAMETERS AT 5% DAMPING FOR FAULT PARALLEL COMPONENT

PARAMETER	SEISMIC HAZARD LEVELS			
	BSE-2N	BSE-1N	BSE-2E	BSE-1E
S_{XS}	1.939	1.520	1.560	0.922
S_{X1}	1.307	0.872	0.946	0.447
T_0	0.674	0.573	0.606	0.485
T_S	0.135	0.115	0.121	0.097

Note:
- See Table 1 for abbreviations.

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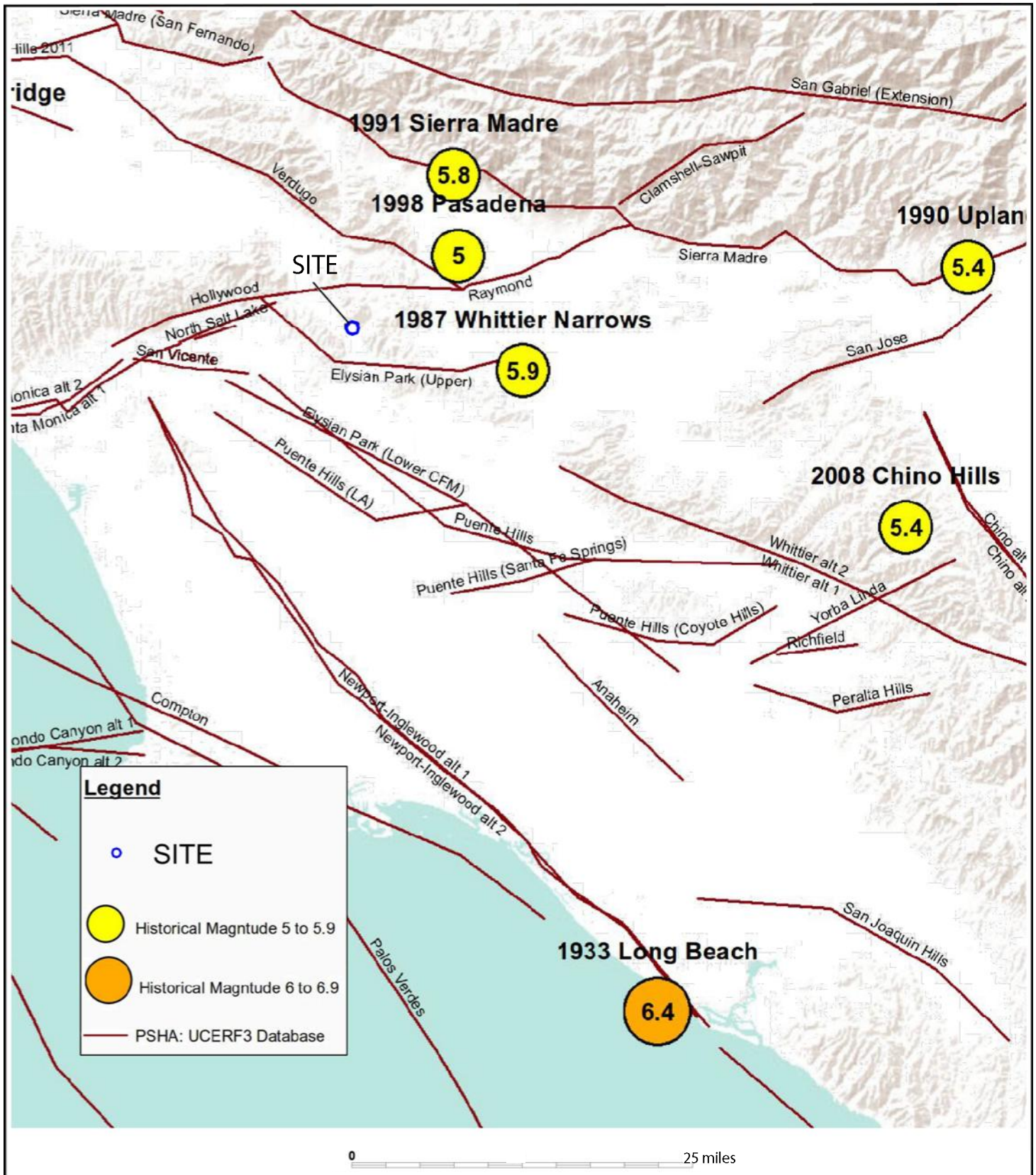
FIGURES



REGIONAL FAULT AND EPICENTER MAP

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway, Los Angeles, CA 90031
FOR: Los Angeles Unified School District

URS

FIGURE 1

Reference: Preliminary Geologic Map of the Los Angeles Geologic Quadrangle by Yerkes and Campbell 2005.

FIGURES

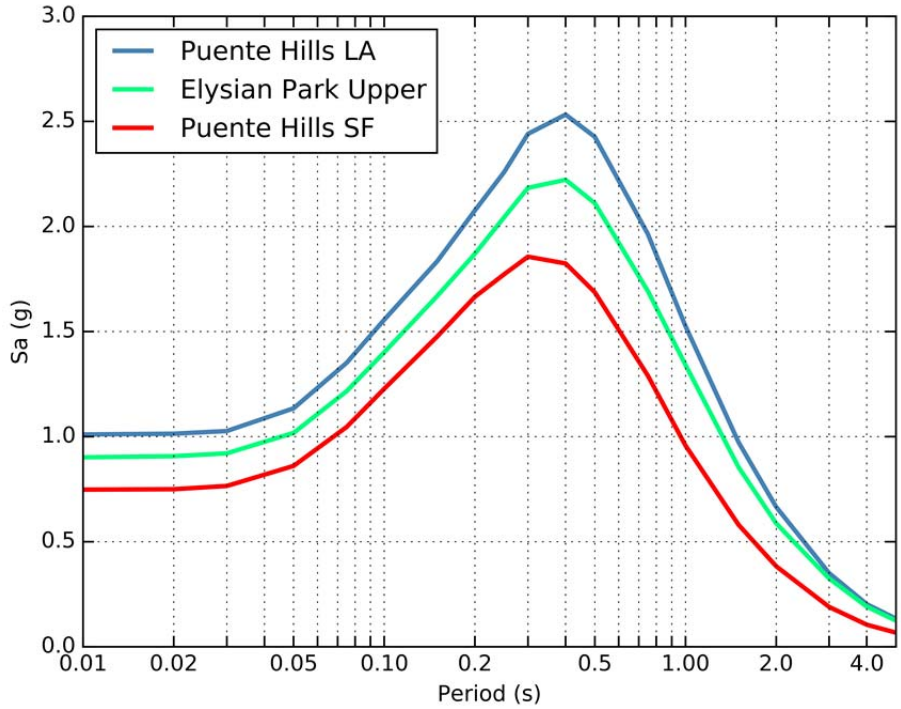


FIGURE 2- COMPARISON OF DETERMINISTIC 84TH PERCENTILE RESPONSE SPECTRA: THREE FAULT SCENARIOS USING THE NGA-W2 GMPES AT 5% DAMPING

FIGURES

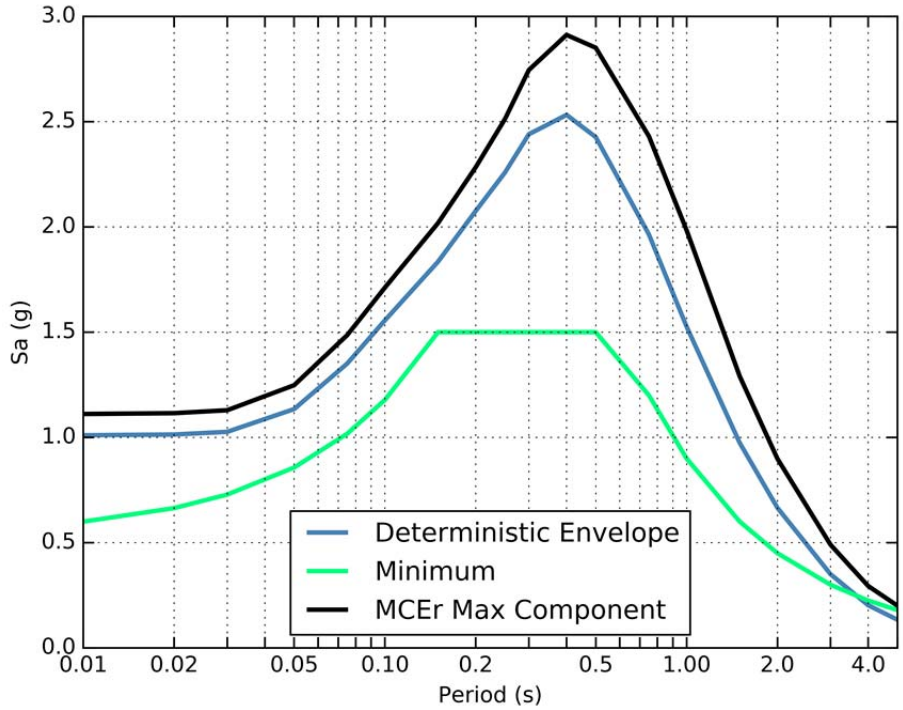


FIGURE 3- COMPARISON OF DETERMINISTIC RESPONSE SPECTRA: ENVELOPE 84TH PERCENTILE, LOWER LIMIT AND MCE$_R$ RESPONSE SPECTRA AT 5% DAMPING

FIGURES

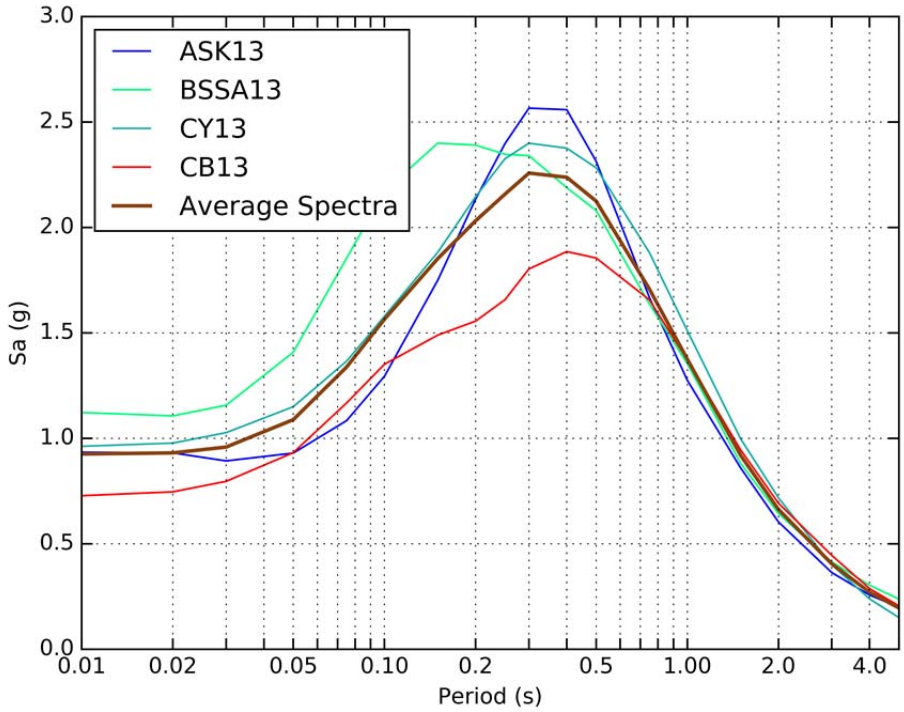


FIGURE 4- COMPARISON OF PROBABILISTIC UNIFORM HAZARD RESPONSE SPECTRA 2%/50-YR PROBABILITY OF EXCEEDANCE FOR FOUR NGA-W2 GMPES AND MCE_R GROUND MOTIONS AT 5% DAMPING

FIGURES

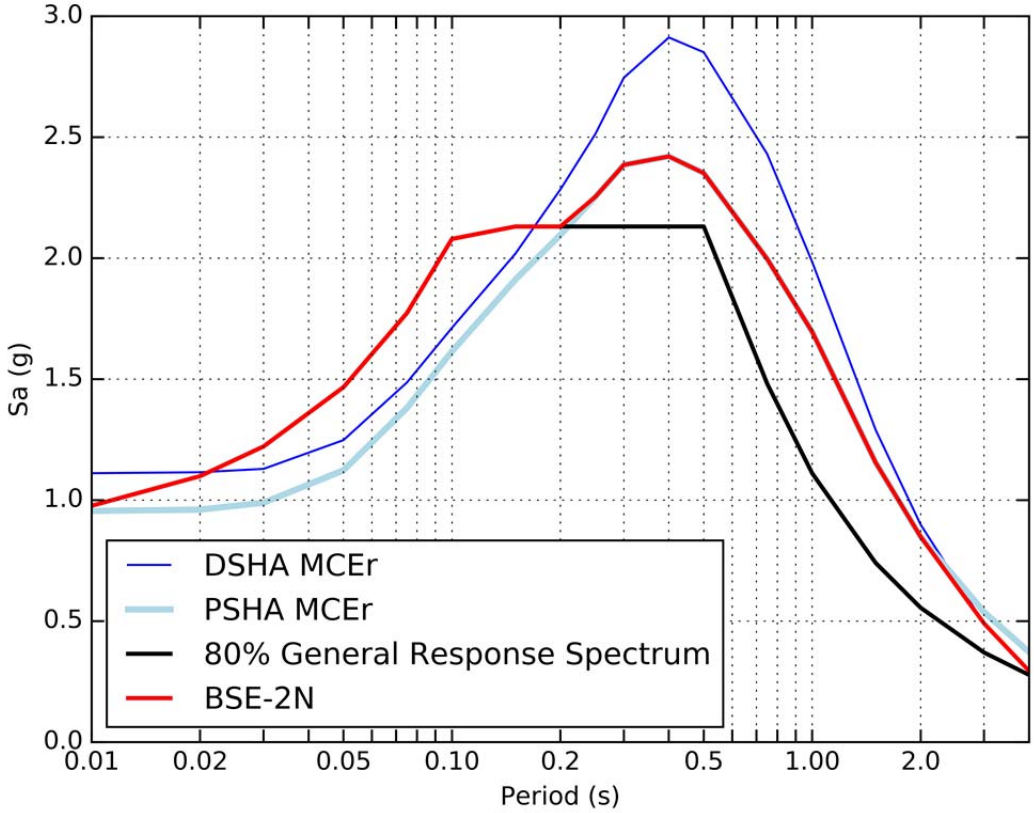


FIGURE 5- SITE SPECIFIC GROUND MOTION RESPONSE SPECTRA FOR THE DESIGN GROUND MOTION LEVEL (BSE-2N) AT 5% DAMPING

FIGURES

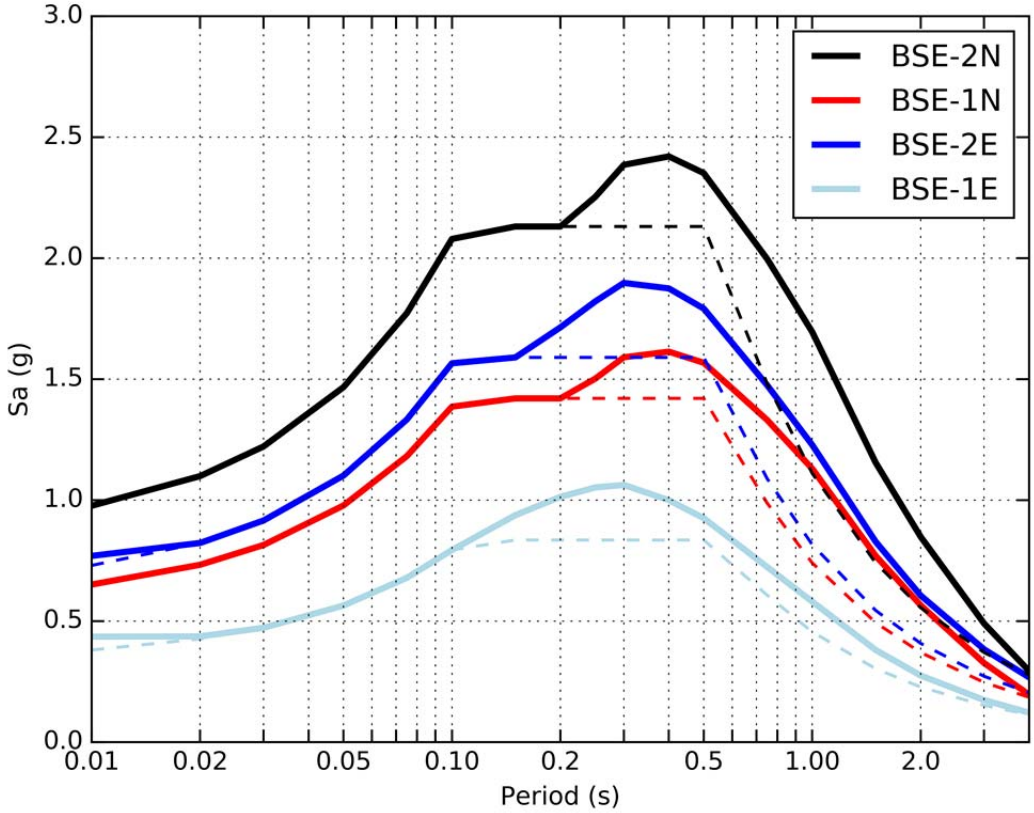


FIGURE 6- SITE SPECIFIC GROUND MOTION RESPONSE SPECTRA AT 5% DAMPING FOR ALL GROUND MOTION LEVELS. DASHED LINES ARE GENERAL SPECTRA.

FIGURES

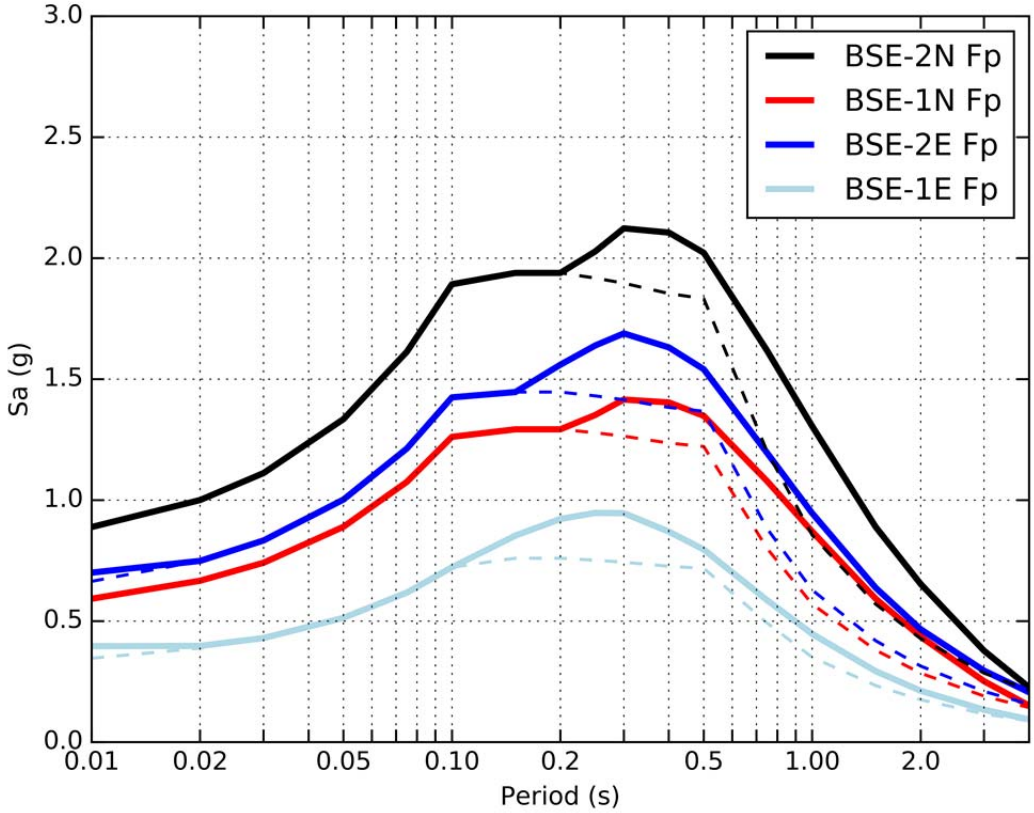


FIGURE 7- SITE SPECIFIC GROUND MOTION RESPONSE SPECTRA AT 5% DAMPING FOR ALL GROUND MOTION LEVELS FOR FAULT PARALLEL COMPONENT

Preliminary Geotechnical Investigation
Lincoln High School
3501 North Broadway Avenue, Los Angeles, CA
For Los Angeles Unified School District
Task Order 012; Agreement/LAUSD SAP 1590066/4400003505

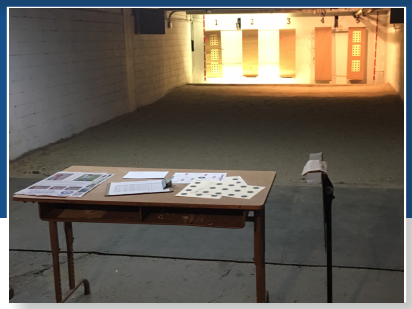
APPENDIX G

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Abraham Lincoln High School

3501 North Broadway
Los Angeles, California 90031



Los Angeles Unified School District
Office of Environmental Health and Safety
333 Beaudry Avenue, 27th Floor
Los Angeles, California 90017

September 2017

ALISTO ENGINEERING GROUP

ALISTO ENGINEERING GROUP
2737 North Main Street, Suite 200
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PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

AIN 5208-026-903, 5208-026-904, 5209-010-900
Abraham Lincoln High School
3501 North Broadway
Los Angeles, California 90031

Prepared for:

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Alisto Project No. 12-0020-001

September 6, 2017

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Principal

EXECUTIVE SUMMARY

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Lincoln High School
AIN 5208-026-903, 5208-026-904, 5209-010-900
Los Angeles United School District
Los Angeles County, California

Alisto Project No. 12-0020-001

September 6, 2017

In July 2017, the Los Angeles United School District (LAUSD) retained Alisto Engineering Group (Alisto) to conduct a Phase I Environmental Site Assessment (ESA) of the Abraham Lincoln High School property. LAUSD is planning to redevelop the school campus and as per State requirements, a Phase I ESA and, if warranted, a Preliminary Environmental Assessment - Equivalent (PEA-E) will need to be conducted in order to obtain approval from the California Department of Education and Department of Toxic Substance Control for the proposed redevelopment.

The Phase I ESA was conducted to identify recognized environmental conditions at the property in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I ESA Process, E 1527-13 (ASTM, 2013) and the All Appropriate Inquires (AAI) rule set forth in 40 CFR Part 312.

The parcels of primary interest for this Phase I ESA include AIN 5208-026-903, 5208-026-904 and 5209-010-900, and are within the central portion of Los Angeles County near the intersection of North Broadway and Lincoln Park Avenue in Lincoln Heights, Los Angeles, California. The subject school property has been owned by LAUSD since the 1920s and has undergone several redevelopments over the years.

The subject property appears to be well maintained with each parcel occupied by different school buildings and support facilities. The northern parcel, AIN 5208-026-904, is part of a continuation high school known as Pueblo De Los Angeles and includes a Wellness Center for student and community use. The main parcel, AIN 5208-026-903, includes the main campus that is occupied by the administration building, home economics building, shop building, federal buildings, music buildings, the northern portables of Pueblo De Los Angeles, the cafeteria/lunch shelter, and the auditorium. The eastern parcel, AIN 5209-010-900, is occupied by the physical education building that consists of a gymnasium on the second floor as well as the locker rooms and weight room on the first floor. The track and field and bleachers are located adjacent to the physical education building and tennis courts are located along the southern perimeter of the parcel.

The subject property is at an elevation of approximately 405 feet above mean sea level and is bordered on the North, East, and West by a mixture of residential and commercial properties. It is situated at the base of a hill and the surrounding topography slopes downhill from east to

west. A mile due west of the subject property is the Los Angeles River and several other bodies of water are within a mile of the subject property including the Arroyo Seco River to the northwest, Lincoln Park Lake to the south, and Ascot Reservoir to the East.

SUMMARY OF FINDINGS AND CONCLUSIONS

The findings and conclusions of regulatory database search, regulatory agency interviews and visual site reconnaissance are as follows:

- The subject property for this Phase I ESA was identified in the following databases: RCRA-SQG, RCRA-LQG, FINDS, ECHO, EDR History Auto, and Haznet.
- The report prepared by EDR identified 36 properties within the standard ASTM search radius in the regulatory agency lists or databases researched. Of the 36 listed properties, 13 sites were identified as LUST sites and 3 were identified as SLIC sites within a 1/2 mile radius. Additionally, there were 5 historical records of dry cleaners within 1/8 of a mile radius from the subject property. However, based on the groundwater direction as well as these sites appear down gradient or over 1000 feet from the subject property, it is unlikely the listed properties pose an environmental concern to the subject property.
- Review of historical topographic maps indicates that the subject property has been owned by the LAUSD since the 1920s. Initially, the main campus was located on the eastern parcel until sometime in the 1940s. There are two buildings on the 1926/1928 historical topographic map that may potentially be the automobile repair/gasoline service station, which suggests petroleum products may potentially be an environmental concern at that location.
- Review of historical aerial photographs from 1923 to 2012 indicates that the subject property has undergone development/redevelopment until 1970, which suggests that the existing buildings and structures may potentially have asbestos-containing building materials and lead-based paint.
- According to information provided by Mr. Lawrence Browne (LAUSD Office of Environmental Health and Safety) and Mr. Raudel Rubalcava (school Plant Manager), there are no known environmental concerns or recognized environmental conditions associated with the current use of the property by the owner. Review of regulatory agency records does not indicate the subject property is part of any ongoing investigation or remediation. As stated by Mr. Browne, arsenic-based pesticides were used historically for weed abatement on ground surface before the installation of asphalt ground cover and before that practice was banned in the 1980's which suggests that there may be potential environmental concern for pesticides in soil and below asphalt ground cover.
- Mr. Rubalcava indicated that there was a firing range located underneath the auditorium also suggesting potential environmental concern for lead. Based on the additional site reconnaissance on July 20, 2017, dirt flooring was observed as well as gun pellets at the firing range located in the basement of the auditorium. Master Sargent Rosado indicated that the live ammunition was last used at the firing range in the 1940s.
- During site reconnaissance and visual observations conducted in July 2017, 9-inch by 9-inch floor tiles and a sign indicating the presence of asbestos were observed in the boy's

locker room of the gymnasium, which supports that asbestos is a recognized environmental concern in at the property.

- Mr. Rubalcava also indicated during the July 2017 site reconnaissance that an asbestos survey was conducted at the school in early 2017; however, no report was made available to Alisto at the time of this report.
- Hydraulic lifts were observed in the car garage (auto shop) as well as a hydraulic storage tank adjacent to the car shop, which according to Mr. Rubalcava was in the process of being emptied.
- An oil-water separator was observed outside the former auto shop that has been empty and not been used for nine (9) years; of which there were no information readily available on its conditions. Based on this, the oil-water separator may potentially be an environmental concern.
- The home economics building could not be accessed at the time of site visit to inspect the boiler room, which could potentially pose an environmental concern with regards to asbestos, lead base paint and petroleum hydrocarbons.

RECOMMENDATIONS

The results and findings of the Phase I ESA indicate the potential for surface or subsurface contamination from hazardous materials may be present at the subject property and warrant further investigation to comply with regulatory requirements. LAUSD's redevelopment plan for Abraham Lincoln High School will involve construction of new buildings and renovation or replacement of existing buildings. Based on the findings, visual observations, and history of the subject property, additional environmental site assessment and investigation of recognized environmental concerns is warranted to comply with regulatory requirements and minimize or eliminate potential risk to students, school employees, and worker's health and safety.

Alisto recommends that additional site investigation in accordance with applicable regulatory requirements be conducted to include the following:

- Soil sampling for organochlorine pesticides (OCPs) and polychlorinated biphenyls (PCBs) in areas planned for demolition, construction and site development.
- Soil sampling and wipe sampling for lead in the firing range beneath the auditorium to assess potential health and safety concern.
- Inspection of the boiler room and if warranted, sampling for petroleum hydrocarbons and other constituents of concern.
- Asbestos and lead based paint survey of buildings and structures planned for demolition or renovation.
- Removal and closure of hydraulic lifts to include soil sampling beneath the hydraulic lift and hydraulic storage tank as well as within the area of the suspected historical gasoline service station.
- Inspection of the oil-water separator and sampling of the liquid, if present, to determine its chemical content and appropriate closure procedure.

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E Aerial Photographs
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H Photographs of Property and Surrounding Areas
I Environmental Checklist

1.0 INTRODUCTION

As authorized by Los Angeles Unified School District (LAUSD), Alisto Engineering Group (Alisto) conducted a Phase I Environmental Site Assessment (ESA) of the Abraham Lincoln High School property. The property is within Lincoln Heights, a sub community of the Montecito Heights district in Los Angeles County, California. The parcels of interest for this Phase I ESA are AIN 5208-026-903, 5208-026-904, and 5209-010-900, at the intersection of Lincoln Park Avene and North Broadway, Los Angeles, California. The site vicinity map is shown on Figure 1 and the location of the property of primary interest for this Phase I ESA is shown on Figure 2.

This report presents the results and findings of the Phase I ESA conducted in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I ESA Process, E 1527-13 (ASTM, 2013) and the All Appropriate Inquires (AAI) rule set forth in 40 CFR Part 312 to identify recognized environmental conditions on the property and potential environmental liabilities under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

1.1 Purpose

The purpose of the Phase I ESA was to identify the potential presence of "recognized environmental conditions" or other potential sources of contamination or environmental issues and concerns that could potentially impact the health and safety of the students and employees of the school and the workers for the proposed redevelopment of Abraham Lincoln High School.

According to the ASTM, "recognized environmental condition" is defined as the presence or likely presence of regulated hazardous or dangerous wastes and/or substances, including petroleum products, under conditions that indicate an existing release, a past release, or a material threat of a release into the ground, groundwater, or surface water of the subject property.

As a state requirement for redevelopment of the school, LAUSD is required to conduct a Phase I ESA and, if warranted, additional site assessment or investigation to meet State regulatory requirements and obtain approval from California Department of Toxic Substance Control and the Department of Education.

1.2 Scope of Work

The Phase I ESA was performed in accordance with the AAI rule included in the final federal regulations and the requirements of the interim standards. The generally accepted standards of practice include but are not limited to 41 CFR 101-47.202-2 (b) (9) and (10); applicable sections of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA); and the recently adopted AAI-ASTM Standard E 1527-13. Other state and local regulations related to site assessments and investigation of potential releases of hazardous substances or waste to the environment also were considered. The scope of work included the following tasks:

- Review of state and federal regulatory agency lists to identify sites with known or suspected soil or groundwater contamination within 0.25 to 1 mile radius of the subject property.
- Review available sources of historical land use information such as aerial photographs, fire insurance maps, topographic maps, city directories, and to identify past activities, uses or operations of environmental concern.
- Search environmental cleanup liens and other activity and use limitations (AULs) against the subject property that are filed or recorded under federal, state, tribal, or local laws.
- Review available records provided by LAUSD pertaining to the presence, storage, use, unauthorized release, discharge, and disposal of hazardous materials and waste including: petroleum products, solvents, pesticides, asbestos, and other chemical compounds that may adversely affect public health and the environment.
- Interview regulatory agency representatives to verify or obtain additional information on listed sites or reported violations, as warranted.
- Conduct a site reconnaissance of the subject property and adjacent sites to visually observe and identify indicators of potential environmental concern or recognized environmental conditions.
- Interview personnel of current and past owner(s), operators, and occupants with knowledgeable of the site history and facility operations to determine historical use of potential environmental concerns.
- Identify data gaps and potential significance to assess conditions indicative of release or threatened release hazardous substances.
- Complete the Preliminary Environmental Screening of Existing School sites checklist to satisfy LAUSD – Office of Environmental Health & Safety (OEHS) and California Department of Education requirements.
- Prepare a report presenting the results and findings of the above tasks as outlined in ASTM Standard E 1527-013.

The scope of work did not include a title search; sampling and analysis of hazardous materials such as lead, asbestos, polychlorinated biphenyls (PCBs), mold or pesticides; subsurface sampling; or geotechnical investigation. With LAUSD's approval, an environmental lien search was also not performed since LAUSD has owned the parcels since the 1920s.

The regulatory agency database search and review within the ASTM standard search radius was conducted by Environmental Data Resources Inc. (EDR) under subcontract to Alisto, including research of available historical land use information such as Sanborn maps, city directories, and aerial photographs.

The AAI-ASTM Standard E 1527-05 is consistent with the environmental due diligence requirements of the Superfund Amendments and Reauthorization Act (SARA), which includes limited research, review of specified and reasonably ascertainable regulatory listings and a site reconnaissance to identify recognized environmental conditions.

1.3 User Designation and Reliance

LAUSD requested and authorized the preparation of this Phase I ESA and is identified as the *user* or party seeking to use ASTM Practice E 1527-13 for the subject property. As such, this Phase I ESA is for the exclusive use of LAUSD in fulfillment of the due diligence responsibility for the proposed redevelopment of Abraham Lincoln High School

2.0 GENERAL SITE CHARACTERISTICS

The following sections describe the location and the current uses of the subject and adjacent properties. The subject property for this Phase I ESA is the Abraham Lincoln High School occupying three parcels: AIN 5208-026-903, 5208-026-904, and 5209-010-900.

2.1 Site Description

The subject property is located within the central area of Los Angeles County, California and consists of three parcels: main parcel, AIN 5208-026-903, the north parcel, AIN 5208-026-904, and the east parcel, AIN 5209-010-900. The subject property has been operating as a high school since the 1920s and has undergone multiple redevelopments over the years. It is located at an elevation of approximately 405 feet above mean sea level and is bordered on the north, east, and west by a mixture of residential and commercial properties. It is situated at the base of a hill and the surrounding topography slopes downhill from east to west.

2.1.1 Main Parcel

The main parcel serves as the main campus of the school and is bounded by Lincoln Park Avenue to the east, North Broadway to the south, Thomas Street/Alta Street to the west, and the north parcel/residential area to the north. The total area according to the City of Los Angeles Zoning Information and Map Access System (ZIMAS) is approximately 372,677 square feet or approximately 9.3 acres. The main campus consists of the administration building with classrooms, home economics building, shop building, federal buildings, music building, portable classrooms of the Pueblo De Los Angeles continuation campus, cafeteria/lunch shelter, and auditorium. Two parking lots are located within this parcel, with the first parking lot located between the north parcel and federal buildings. The second parking lot is located adjacent to the administration building on the east side.

2.1.2 North Parcel

The north parcel is part of the Pueblo De Los Angeles continuation high school and is bounded by the main parcel to the south, a residential parcel to the north and east, and Alta Street to the west. It is approximately 7,487 square feet according to ZIMAS and only contains one building used as a wellness center.

2.1.3 East Parcel

The east parcel is occupied by the physical education building, track and field, tennis courts and bleachers. It is bounded by Altura Street and a hill to the north, Lincoln High Drive and residential parcels to the east, North Broadway to the south, and Lincoln Park Avenue to the west. The total area of the parcel is approximately 45,337 square feet according to ZIMAS.

The physical education building contains a gymnasium on the second floor and the locker rooms and weight room on the first floor. It is situated on the west side of the parcel. The track and field covers approximately half the parcel starting from the physical education building extending to the east perimeter of the parcel. The bleachers are located north of the track and field and the tennis courts are located south of the track and field.

2.2 Adjoining Properties

Properties presently adjoining or in the immediate vicinity of Abraham Lincoln High School are as follows:

North:	Residential properties
East:	Residential properties
South:	Commercial and residential properties
West:	Vacant lot that is currently under construction

2.3 Physical Setting

The following is a description of the physical setting and pertinent environmental features of the subject property and neighboring sites.

2.3.1 Topography

Based on a review of the United States Geologic Survey (USGS), Los Angeles, California; 7.5-minute quadrangle maps, the subject property is at an elevation of approximately 405 feet above mean sea level (msl) as shown on Figure 1. The general surface topography of the area is hilly with the property generally sloping from East to West. Adjacent to the subject property to the Northeast is the base of Rose Hill which reaches to a max elevation of approximately 700 feet above msl.

2.3.2 Geology

According to Geotracker, the State Water Control Board database and geographic information system that provides online access to environmental data, the geologic formation is undivided pre-Cenozoic metasedimentary and metavolcanic rocks of great variety – mostly consisting of slate, quartzite, hornfels, chert, phyllite, mylonite, schist, gneiss, and minor marble. The U.S. Department of Agriculture Soil Conservation Service soil reports identifies the typical profile around the subject property as fine to sandy clay loam with 0 to 5 percent slopes.

2.3.3 Groundwater

The subject property is located over a mile east of the Los Angeles River. There are also several bodies of water within a mile of the subject property, including the Arroyo Seco River to the Northwest, Lincoln Park Lake to the South, and Ascot Reservoir to the East. The depth to groundwater beneath the subject property is unknown but based on review of regulatory records on nearby active remediation cases, the depth to water ranges from 45 to 70 feet below ground surface. Based on the topography and the active regulatory remediation cases monitoring reports, the subject property apparent groundwater flow direction is expected to be in the southwest direction.

3.0 REGULATORY DATABASE RECORDS REVIEW

An environmental information database search was performed by EDR in June 2017 under subcontract to Alisto. The EDR search included federal, state, and local databases. The results of the environmental databases searched within the standard search radius and the identified sites, if any, are presented in Appendix A. Because subsurface contamination may migrate from adjacent sites in groundwater, regulatory agency databases and files were reviewed to determine if contaminant releases or fuel leaks at or near the subject property pose a potential risk or environmental concern.

The assumptions and approach to the regulatory database search, as well as the results, are presented in Appendix A. The database search and review was conducted to identify sites or properties within the vicinity of the subject property and standard ASTM search radius with respect to reported unauthorized releases of hazardous substances or regulatory violations that could result in potential adverse environmental effects on the subject property. Maps included in the EDR report indicate the approximate location of properties that may pose environmental concerns.

The subject property was identified in the following databases:

- Resource Conservation and Recovery Act - Small Quantity Generator (RCRA-SQG)
- RCRA – Large Quantity Generator (RCRA-LQG)
- Facility Index System (FINDS)
- Enforcement and Compliance History Online (ECHO)
- EDR History Auto
- Haznet

According to the EDR report, there was a gasoline service station on the subject property between 1929 and 1933, the exact location of which is unknown. No environmental liens or government records/cases were identified nor records of above ground storage tanks (ASTs) or underground storage tanks (USTs) in the regulatory databases researched by EDR.

The EDR report identified 36 sites within a one-mile standard search radius of the subject property in one or more environmental databases. Of the 36 sites, 13 of the sites were identified as Leaking Underground Storage Tank (LUST) sites and three (3) were identified as Spills, Leaks, Investigation and Cleaning (SLIC) sites within 0.5 miles of the subject property. Additionally, there were five (5) historical records of dry cleaners within a 1/8th of a mile off the subject property.

4.0 HISTORICAL RECORDS REVIEW

Information from local governmental agencies, historic Sanborn fire insurance maps, city directories, and interviews of people knowledgeable of the property were reviewed to determine historical use of the site and neighboring properties, the results of which are discussed below.

4.1 Sanborn Fire Insurance Maps

Sanborn fire insurance maps are historical map records of fire prevention hazards for specific urban areas. These maps provide data that can be used to determine the presence of USTs; aboveground storage tanks (ASTs), type of building materials, location of flammable material storage, and types of businesses that occupied a particular site. Sanborn maps are typically dated from the late 1800's to the 1950's, and include updates for selected areas as recently as 1990.

Based on the Sanborn fire insurance maps, there were no USTs or ASTs present on the subject property during the fire insurance map years available. As indicated in the Sanborn maps, the buildings contain reinforced concrete and steel framing and fire proofing. The materials used to construct the school could potentially contain asbestos since the subject property completed construction activities by the 1970s. The Sanborn fire insurances maps show the school has occupied and owned the parcels since 1920s and no other businesses or tenants occupied the parcel. The EDR's Sanborn Map Report is included in Appendix B.

4.2 City Directories

Research on the availability of historical city directories was conducted by EDR. According to the directories reviewed, the subject property contained a listing of a gas station called De Angelis Bros Frank and Potito in 1929 and a service station called MARKS Geo Auto Service Station in 1924. Based on this finding, there potentially could be an environmental concern with regards to petroleum constituents. The directories reviewed for the surrounding area, however, did not indicate any potential environmental concerns. The EDR's City Directory Report is included in Appendix C.

4.3 Historical Topographic Maps

Alisto reviewed available historical topographic maps provided by EDR for the subject property for the following years: 2012, 1994, 1981, 1972, 1966, 1953, 1928, 1900, 1896, and 1894. Review of historical topographic maps indicates that the subject property was not or has not been adjacent to areas of potential environmental concern. Available historical topographic maps are included in Appendix D and discussed below.

- **1894**: The subject property does not appear to be developed. In the vicinity there are no indications of significant development except for a few residential properties to the West of the subject property.
- **1896:** The subject property and vicinity are similar to the 1894 topographic map with no indications of significant development.
- **1900**: The subject property and vicinity are similar to the 1896 topographic map with no indications of significant development.
- **1924**: Half of the map is not shown, therefore Alisto are unable to positively determine any new development.
- **1928**: The subject property and vicinity appear appears to have been developed. The school location appears to be on the east parcel while there are two large buildings and several smaller buildings located on the main parcel. The northern parcel appears to have not yet been developed.

1953: The subject property appears to have been redeveloped with the school now located on the main parcel, while the physical education and gymnasium building are located on the eastern parcel.

1966: The subject property appears to be similar to the 1953 topographic map. The adjacent property to the South indicates a fire station was constructed.

1972: The subject property and vicinity are similar to the 1966 topographic map.

1981: The subject property and vicinity are similar to the 1972 topographic map.

1994: The subject property and vicinity are similar to the 1981 topographic map.

2012: There are indications of any new development to the subject property and vicinity.

4.4 Aerial Photographs

Based on a review of historical aerial photographs, it appears that the subject property has been developed since at least 1923, the date of the earliest aerial photograph available for review. A listing of selected photographs reviewed and a summary description of each is presented below with copies of the aerial photographs included in Appendix E.

Aerial Photographs Reviewed

Date	Photograph Flyer and Scale	
	Source	Scale
1923	FAIR	1″ = 500′
1928	USGS	1″ = 500′
1938	USDA	1″ = 500′
1948	USGS	1″ = 500′
1952	USGS	1″ = 500′
1964	USGS	1′ = 500″
1970	EDR	1′ = 500″
1977	EDR	1″ = 500′
1981	EDR	1″ = 500′
1989	USDA	1′ = 500″
1994	USGS/DOQQ	1″ = 500′
2002	USDA	1″ = 500′
2005	USDA/NAIP	1′ = 500″
2009	USDA/NAIP	1″ = 500′
2010	USDA/NAIP	1″ = 500′
2012	USDA/NAIP	1′ = 500″
Source: EDR Environmental Data Resources, Inc.		

1923: The subject property appears to be developed with buildings on the main parcel, northern parcel, and eastern parcel. The running track is oriented in a North to South direction on the eastern parcel. The northern parcel appears to be residential.

1928: The bridge crossing over Lincoln Park Avenue has been constructed. The rest of the subject property appears similar to the previous aerial photo.

1938: The subject property's main parcel has been redeveloped which the administrative building, auditorium building, home economics building, and three buildings in the current location of the shop building have been constructed. The northern and eastern parcels remain the same.

1948: The subject property's eastern parcel has been redeveloped which the running track is now oriented from West to East and the physical education building, tennis courts, and bleacher have been constructed.

1952: The music buildings have been constructed on the main parcel of the subject property. The northern and eastern parcels remain unchanged.

1964: Four portable classrooms have been installed in the location of the federal buildings on the main parcel of the subject property. The northern parcel has been cleared of residential buildings and vegetation, and the parking lot located between the administrative building and shop building has been constructed.

1970: The northern parcel of the subject property has been developed and the current northern portables have been installed. The federal building has been constructed at its current location on the main parcel of the subject property. The parking lot between the north portables and federal building has also been constructed.

1977: The current shop building has been constructed and the three previous buildings have been removed. The northern portables arrangement has been changed.

1981: The lunch shelter has been constructed. The rest of the property remains unchanged.

1989: Three (3) additional northern portables have been installed. The central portable also has been installed on the main parcel of the subject property.

1994: The subject property and surroundings appear similar to the previous aerial photo.

2002: Portables have been installed on the eastern parcel. The rest of the property remains unchanged.

2005: The wellness center in the northern parcel has been constructed. The rest of the property remains unchanged.

2009: The subject property and surroundings appear similar to the previous aerial photo.

2010: The subject property and surroundings appear similar to the previous aerial photo.

2012: The subject property and surroundings appear similar to the previous aerial photo.

4.5 Title Reports

The agreed scope of work for this Phase I ESA of the subject property did not include a title search. Based on an e-mail correspondence with Mr. Lawrence Browne of LAUSD-OEHS, a title search is not necessary since the school has owned the property for more than 50 years.

4.6 Environmental Lien and Activity and Use Limitations

Based on the historical use and location of the property, a search of environmental liens and activity and use limitations (AULs) on the subject property was not conducted for this Phase I ESA.

4.7 Groundwater Well Survey

The EDR report includes the results of local/regional water agency record search to provide water well information in assessing sources that may impact groundwater resource. There was no water supply or groundwater monitoring well observed at the subject property. The EDR report indicated that there are no water supply wells or public water supply wells within the one (1) mile search radius. Based on a well search on the Department of Public Works – Los Angeles County groundwater well map, there are no public wells within a one (1) mile radius of the subject property. There are seven (7) oil and gas related wells within 1 mile of the subject property as well as several networks of monitoring wells for open LUST sites.

4.8 Vapor Encroachment Screen

To address the latest ASTM E1527-13 standard for vapor migration assessment, Alisto requested EDR to conduct a vapor encroachment screen in order to determine if vapor intrusion would potentially be an environmental concern for the subject property. A 0.33 mile search radius was conducted of the surrounding property as well as a report of the physical setting of the subject property was provided in order to assist in the vapor intrusion assessment.

According to the results, the property was found to be on the Federal RCRA generators list as well as contain Historical Gas Station records. Additionally, seven (7) records under the State and tribal leaking storage tank lists, six (6) Historical Gas Station records, and five (5) Historical Dry Cleaners records were found within 0.33 miles of the subject property.

Based on the soil composition featured in the physical setting report, there is a potential vapor intrusion concern with regards to the Historical Gas Station record identified for the subject property. The properties that were identified in the aforementioned records found are all downgradient of the subject property. Since the groundwater flow direction is presumably towards the southwest, it is not likely these sites would pose a vapor intrusion concern to the subject property.

5.0 INTERVIEWS

The results of interviews of owners, users or operators of the property and contact with regulatory agencies are summarized below.

5.1 Interviews of Owner and User

The following individuals were interviewed regarding the current and/or historical use of the subject property:

1. Lawrence Browne, LAUSD OEHS: Mr. Browne was interviewed during the site reconnaissance. According to Mr. Browne, he is not aware of any environmental liens or land use limitations associated with the subject property. He stated that historically, pesticides were used in the past to prevent weed growth before it was banned and that there are two flammable storage units located at the school. Floor plans and the proposed master plan redevelopment of the campus were also provided by Mr. Browne electronically.

2. Mr. Raudel Rubalcava: Mr. Rubalcava completed the User questionnaire, as specified in ASTM E1527-15. According to Mr. Rubalcava, he is not aware of any environmental liens or land use limitations associated with the subject property. During the site reconnaissance, he indicated that the basement floor of the auditorium was formerly a firing range and that there was a former car garage located on the subject property which was made accessible for visual inspection. His response to the questionnaire does indicate that any past uses of the property could potentially pose an environmental concern such as the abandoned oil-water separator and hydraulic fluid storage tank.

From information provided by the above-listed individuals through personal interview and review of available information, the historical use of the subject and adjoining properties is summarized below:

1. The property has been owned since at least the 1920s by LAUSD.
2. The potential use of pesticides at the subject property in the past for weed abatement and prevention, which is a potential environmental and health concern.
3. The subject property does have a firing range at the basement of the auditorium as indicated by Mr. Rubalcava (confirmed by visual inspection).
4. The adjoining properties south of the subject property had a dry cleaning business in the 1930s and the property to the west was used as a gasoline service station also in the 1930s.
5. The subject property also had a former auto and car garage shop with hydraulic lifts that had not been used for several years. At the time of site visit, Mr. Rubalcava indicated that the hydraulic fluid was scheduled to be removed from the storage tank.

The completed User questionnaire, disclosures, and Standard Phase I ESA questionnaire are presented in Appendix F. Floor plans provided by LAUSD are included in Appendix G.

5.2 Regulatory Agency Contact

Based on the results of the regulatory database search, interview of current property owner, and site reconnaissance, there was no listed sites or regulatory cases that warrant contact or interview of federal, state or local regulatory agencies at this time.

6.0 SITE RECONNAISSANCE

On July 6, 2017, Alisto conducted a reconnaissance of the subject property and surrounding areas, which included visual observations of accessible adjoining properties for evidence of recognized environmental conditions or to identify areas of potential environmental concerns. During site reconnaissance, a representative of the LAUSD-OEHS met with Alisto personnel at the property and assisted in accessing and observing the subject properties.

Based on visual observations, the subject property can be accessed from the main entrance off of North Broadway as well as from the parking lot entrances off of Alta Street and Lincoln Park Avenue. These locations are gated and require school personnel to unlock them for access. The subject property is bordered on the north and east by residential properties. On the west border, across Alta Street, is a vacant lot that is under construction and to the south, across North Broadway, contain a mixture of commercial and residential properties.

The subject property appears to be well maintained with evidence of typical oil staining on the concrete and asphalt ground surfaces. Power lines were observed along the western perimeter, along Thomas Street and Alta Street. Alisto personnel inspected the administrative building and its basement, the shop building and attached car garage, and the physical education building. The auditorium and home economics building as well as storage rooms and portable units could not be accessed during the July 6, 2017 site reconnaissance.

The basement in the main administration building is primarily used for storage of supplies and is also the location of the main computer server for the school. The former car garage has oil stained concrete flooring, as well as below-ground hydraulic lifts that have not been used for several years. Chemicals for weed abatement and paint were also stored in lockers in the garage.

The gymnasium, located on the second floor of the physical education building, contained 9-inch by 9-inch floor tiles that may potentially contain asbestos based on the school's age of construction. In the boy's locker room, a sign indicating the presence of asbestos in the premises was observed at the doorway of one of the rooms. Other potential asbestos containing materials were also observed; such as acoustic ceiling and wall tiles.

A garbage storage area was observed in the northwest portion of the main parcel, adjacent to the northern portable classrooms, where soil and ground surface staining was also observed, but there is no evidence of conditions warranting environmental concern. A drum storage area was observed on the eastern perimeter adjacent to the shop building, as well as an electrical transformer compound along the northern perimeter of the drum storage. Alisto was not able to access the electrical transformer compound. South of the drum storage area is a concrete compound housing generators. No environmental concerns were observed at the drum and transformer compounds as well as around the generator compound.

On July 20, 2017, Alisto conducted an additional site reconnaissance of the subject property. Alisto was able to access the auditorium and visually inspect the firing range as well as the flammable storage rooms at the northern portable storage units. The firing range beneath the auditorium has dirt flooring and there was evidence of air soft rifle pellets on the floor. According to Master Sergeant Rosado, live ammunition was last used at the firing range back in

the 1940s. The flammable storage units contained 55-gallon drums of gasoline and diesel, as well as paint cans. The flooring of the sheds is concrete construction that serves as secondary containment.

According to Mr. Raudel Rubalcava, an asbestos survey was conducted approximately in April or May 2017 through the district's conditional use permit by Clark, Sief Clark. The report was not made available to Alisto as of the time of this report.

Alisto observed a hydraulic fluid storage tank at the auto shop and was informed that the hydraulic fluid in the storage tank was scheduled for removal during the last week of July 2017. According to an email correspondence between Mr. Browne and Gary Schirmeister of LAUSD Facilities Service Division, the hydraulic fluid was pumped out on July 26, 2017. No other information as the cleaning and decommissioning of the tank was provided.

Alisto observed an abandoned oil-water separator outside the auto shop that has not been used for approximately nine (9) years, according to Mr. Rubalcava. There was no information regarding its current condition or tank closure documentation, which potentially could be an environmental concern.

Photographs taken during the July 2017 site reconnaissance events have been included in Appendix H. A summary of the visual observations and reconnaissance of environmental conditions at the subject property performed in July 2017 have been tabulated below.

SUMMARY OF SITE OBSERVATIONS

Environmental Conditions	Observations
Source of drinking water	Los Angeles Department of Water and Power provides water to the Lincoln Heights community. The water sources are from the Los Angeles Aqueducts, local groundwater, and supplemental water purchased from the Metropolitan Water District of Southern California (MWD).
Sewage disposal/septic tank system	The school sanitary system is serviced by LA Sanitation District.
Hazardous substances and petroleum products	55-gallon drums of gasoline and diesel and paint cans were observed in the flammable storage sheds and weed abatement chemicals were observed in the car garage.
Storage tank and associated equipment	A hydraulic fluid storage tank was observed adjacent to the shop building as well as an empty abandoned oil-water separator.
Surficial staining or corrosion	Concrete and asphalt pathways/covers contain staining from motor oil.
Polychlorinated biphenyls (PCBs)	Transformers were observed adjacent to the shop building along the eastern perimeter within a gated compound, which is not likely to contain PCBs.

Environmental Conditions	Observations
Drains and sumps	No drains or sumps observed in any of the buildings except for storm water drains adjacent to the buildings.
Pits, ponds or lagoons	No pits, ponds, or lagoons were observed on or adjacent to the subject property.
Solid waste disposal facility	No solid waste disposal facility at the subject property.
Wastewater discharges	No wastewater discharges were observed during inspection. Wastewater from the school complex discharges to the sanitary sewer
Wells	No water supply or monitoring wells were observed within the subject property. The nearest reported monitoring or groundwater supply well is 0.21 miles to the West.
Adjoining properties	Adjoining properties to the North and East are residential properties. Properties to the South are a mixture of residential and commercial properties. To the West is an open lot that is currently under construction. No adjacent industrial or commercial development that could potentially be an environmental concern to the subject property was observed.

7.0 EXCEPTIONS AND DEVIATIONS

Since Alisto personnel were not able to access the home economics building, Alisto was not able inspect the boiler room as indicated in the school floor plans. There was not an asbestos or lead-based paint survey report available for review by Alisto, as such, it is assumed, based on the school's age of construction and the asbestos notice observed in the boy's locker room, that asbestos containing material and lead-based paint are present in and on school buildings.

8.0 DATA GAPS

As part of the Phase I ESA, data gaps necessary to complete the report were identified. Data gaps refer to pertinent information that was not found, identified, available or provided to Alisto despite best efforts to obtain such information from various sources at the time this report was published. For this Phase I ESA, Alisto identified the following data gaps:

1. Asbestos and Lead Based Paint Survey – Based on the age of construction, visual observations, and the warning notice observed in the boy's locker room, asbestos containing materials and lead-based paint are likely present at the school buildings and structures. An asbestos survey was reportedly conducted by others, but the report was not available for review at the time of the site reconnaissance and this report preparation.
2. Gasoline Service Station – According to the EDR report as well as the city directories report, there was a gasoline service station on the subject property between 1929 and 1933. The 1926/1928 historical map shows that the main buildings for the school at the

time were located on the eastern parcel, with two buildings located on the main parcel. The two buildings at the eastern parcel remained unchanged until 1977. In the 1970 Sanborn maps, the two buildings were a sheet metal shop and auto repair shop. Based on this information, it is likely that a service station may have been present between 1929 and 1933 at this location; however, there are no records regarding the presence of USTs or ASTs in the regulatory databases or reports on the investigation or closure of any storage tanks.

3. Boiler Room – The home economics building, which contains the boiler room, could not be accessed during either Alisto's site visits. Currently, the home economics building is scheduled only to undergo remodeling as part of the campus Comprehensive Modernization, but there could be potential environmental concerns present in the boiler room that would need to be addressed before equipment removal activities.
4. Oil-water separator – No information was made available to Alisto regarding the decommissioning and abandonment in place, or any environmental investigation, of the oil-water separator outside the auto shop prior to the preparation of this report.

9.0 ENVIRONMENTAL SCHOOL SITE SELECTION SCREENING CRITERIA CHECKLIST

As requested by LAUSD-OEHS, a Preliminary Environmental Screening of Existing School Sites checklist was completed in accordance with requirements of the California Department of Education as part of the Phase I ESA. The results of the screening criteria checklist are summarized below and a completed copy of the checklist is included in Appendix I.

9.1 High Voltage Power Transmission Lines

Based on the site reconnaissance and EDR Radius Report, a Southern California Edison (SCE) transmission line is located bordering the subject property along North Thomas Street right before Alta Street and along Alta Street starting from the Pueblo De Los Angeles continuation campus parking lot entrance and onwards north on Alta Street. According to SCE DERiM, a grid map created by SCE of their transmission lines, the power line is a 66 kV sub transmission line. There is no 220-230 kV transmission line located within 150 feet of the subject property nor a 500 to 550-kV transmission line located within 350 feet of the subject property.

9.2 Railroads

No railroad tracks are located within 1,500 feet of the subject property. Based on the OpenStreetMap interactive GIS map on the Los Angeles County GIS Data Portal, the nearest railroad is located approximately 3,000 feet south of the subject property.

9.3 Hazardous Disposal Sites

The EDR report review indicated that the subject property was listed as a RCRA-SQG, which is the main parcel, and RCRA-LQG, which is the north parcel of Pueblo de Los Angeles High School. The EDR report indicated that the subject property has not been designated as a border zone property by the DTSC nor is it within 2000 feet of a hazardous waste disposal site.

9.4 Hazardous Material Pipeline

The National Pipeline Mapping System, a dataset containing locations of and information about gas transmission and hazardous liquid pipelines and liquefied natural gas plants that is managed by the Pipeline and Hazardous Materials Safety Administration, was accessed to determine if any major pipelines containing hazardous materials were located above or underground on or near the subject property. Based on the map, there are no hazardous materials pipelines located near the subject property. The closest pipeline to the subject property is a SoCal Gas Company natural gas line located approximately 2,500 feet to the west with an operating pressure of at least 200 pounds per square inch.

9.5 Airports

There are no airports within 2 miles of the subject property, based on area maps of Los Angeles County. The nearest airport is El Monte Airport, located approximately 10 miles east of the property.

9.6 High Pressure Water Pipelines, Reservoirs, Water Storage Tanks

Based on aerial maps of Los Angeles County and Department of Conservation regulatory maps, there are no water tanks or reservoirs within 1,500 feet of the subject property. No high pressure water lines and/or large water tanks/reservoirs were observed on, or near, the subject property during the site reconnaissance. The nearest reservoir is the Ascot Reservoir which is approximately 3,500 feet northeast of the subject property.

9.7 Major Roadways

Based on review of available maps, the nearest major freeways are State Route 110, located approximately 5,000 feet northwest of the subject property; Interstate 5, located approximately 4,150 feet west of the property; Interstate 10, located approximately 1.35 miles south of the property; and Interstate 710, located approximately 2.2 miles east of the property.

9.8 Geological Special Studies Zone

According to the Alquist-Priolo Fault Zone and Seismic Hazard Zone Map from the California Geological Survey of the Department of Conservation, the subject property is located within a liquefaction zone and adjacent to a landslide zone. To the northeast of the subject property is a hill that gradually increases in elevation by 700 feet with potential for landslide caused by a seismic event or from intensive rainfall. The subject property is not located within, or in close proximity to, an Alquist-Priolo Special Studies Zone according to Los Angeles Department of City Planning ZIMAS website.

9.9 Border Zone Property

According to the EDR report and Envirostor search, there are no facilities within ½ mile of the subject property that have been classified as hazardous waste disposal sites. Additionally, the ZIMAS website does not classify the subject property as a hazardous waste/border zone property.

9.10 Flood and Inundation

Alisto reviewed the Department of Publics Works – Los Angeles County Flood Zone Determination Website as well as the EDR Radius map to determine if the subject property is within a designated flood hazard zone. Based on the review, the subject property is not located in either a 100- or 500-year flood hazard zone. The Los Angeles County Flood Zone Determine Website categorized the subject property as Zone X, which is outside the 0.2 percent annual chance floodplain.

10.0 FINDINGS AND CONCLUSIONS

The findings and conclusions of regulatory database search, regulatory agency interviews and visual site reconnaissance are as follows:

10.1 Database and Site Reconnaissance

- The parcel of interest for this Phase I ESA was identified in the following databases: RCRA-SQG, RCRA-LQG, FINDS, ECHO, EDR History Auto, and Haznet. There were no records of ongoing investigation or remediation of contaminated sites within the subject property identified neither in the regulatory database nor from discussions with LAUSD representatives.
- The report prepared by EDR identified 36 properties within the standard ASTM search radius in the regulatory agency lists or databases researched. Of those 36 properties, 13 sites were identified as LUST sites and 3 were identified as SLIC sites within a ½ mile radius. Additionally, there were 5 historical records of dry cleaners within 1/8th of a mile radius from the subject property. However, based on the groundwater direction as well as the sites being down gradient or over 1,000 feet from the site, it is unlikely these identified properties pose an environmental concern to the subject property.
- A review of historical topographic maps indicates that the subject property has been owned by the LAUSD since the 1920s. Initially, the main campus was located on the eastern parcel until sometime in the 1940s. There are two buildings on the 1926/1928 historical topographic map that may potentially be the automobile repair/gasoline service station, which suggests petroleum products may potentially be an environmental concern at that location.
- A review of historical aerial photographs from 1923 to 2012 indicates that the subject property has gone through multiple developments/redevelopments until the 1970s, which suggests the presence of asbestos containing materials and lead-based paint. A warning notice of the presence of asbestos in the premises was observed in the boy's locker room of the gymnasium.
- According to information provided by Mr. Browne and Mr. Rubalcava, there are no known environmental concerns or recognized environmental conditions associated with the current use of the property. Review of regulatory agency records does not indicate the subject property is part of any ongoing investigation or remediation. According to Mr. Browne, pesticides were used historically on the asphalt/concrete surfaces for weed abatement before it was banned which suggests potential environmental concern for pesticides beneath the soil.

- Mr. Rubalcava indicated that there was a firing range underneath the auditorium, suggesting potential environmental concern for lead. Based on the additional site reconnaissance on July 20, 2017, dirt flooring was observed as well as BB gun pellets in the firing range. Master Sergeant Rosado indicated that the last time live ammunition was used was in the 1940s.
- During site reconnaissance and visual observations conducted in July 2017, the worn floor and acoustic tiles observed in the gymnasium potentially contain asbestos. A warning sign for the presence of asbestos in the building was also observed in the boy's locker room.
- Hydraulic lifts were observed in the car garage as well as a hydraulic storage tank adjacent to the car shop. The storage tank was emptied in July 2017 but no information as to the closure and abandonment of the tank, nor any environmental sampling was provided by LAUSD
- During the July 20, 2017, Alisto site visit, an oil-water separator was observed just outside the car garage that has not been used for nine (9) years. No information was available or provided to Alisto on its abandonment and closure or its current conditions. Based on these findings, the oil-water separator may potentially be an environmental concern.
- Alisto was not able to access the home economics building to inspect the boiler room, which could potentially pose an environmental concern with regards to asbestos and lead- based paint.

10.2 Onsite Recognized Environmental Concerns

Recognized Environmental concerns (RECs) are defined by the ASTM Standard E1527-13 as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. Based on Alisto's database search and site reconnaissance, the following onsite RECs were identified:

- Shop Building – During site reconnaissance, hydrocarbon staining was observed as well as hydraulic lifts and a hydraulic fluid tank adjacent to the shop building. Additionally, the EDR report indicated a gasoline station was present around this location according to the Sanborn and Aerial photos. No AST/UST records were found and there are no environmental investigation records on record as well.
- Flammable Storage Sheds – The north portable storage units contained 55-gallon drums of gasoline and diesel. The sheds are constructed with concrete floors where staining was observed.
- Firing Range – The dirt flooring in the firing range maybe an environmental concern for lead, as well as exposed surfaces in the range. According to Sergeant Rosado, live ammunition was last used in the 1940s.
- Oil-Water Separator – The abandoned oil-water separator observed just outside the car garage should be further investigated as to its current conditions and the procedures used at the time of closure. Mr. Rubalcava indicated that it has not been used for nine (9) years but no documentation as to its closure was provided by LAUSD to Alisto.

- Asbestos and Lead-based Paint – Based on the age of construction at the subject property and visual reconnaissance, asbestos containing materials and lead-based paint are likely present in the existing structures of the subject property. Additionally, during site reconnaissance, Alisto observed a warning sign that asbestos is present in the building materials in the boy's locker room of the gymnasium. In the absence of survey reports and/or abatement documents, both asbestos and lead-based paint are recognized environmental concerns that should be properly addressed before implementation of the planned redevelopment.
- Boiler Room – Alisto was not able to gain access to the Home Economics building and inspect the boiler room. Based on this data gap, the boiler room maybe a REC for asbestos and lead.
- Pesticides – According to Mr. Browne, historically the school has used pesticides for weed abatement and prevention along the asphalt/concrete pathways before being banned in the 1970s.

10.3 Offsite Recognized Environmental Concerns

Alisto was able to identify offsite RECs based on the database search and site reconnaissance conducted. The following offsite RECs were identified:

- Adjacent to the west of the school property, across Thomas Street, was the site of a historic gasoline and oil service station. No environmental remediation cases were identified in the regulatory databases researched.
- To the south of the school property, across North Broadway, two properties used to be a historic gasoline station and dry cleaner. No environmental remediation cases were identified in the regulatory databases researched.
- To the southwest of the school property, approximately a quarter mile to a half mile to the west on North Broadway in a down gradient direction, is an active gasoline station with an open remediation case.

Although Alisto has identified these offsite properties as RECs, they are not likely to pose a potential environmental impact to the subject property, based on the direction of groundwater flow and distances, and the length of time the sites have been out of business.

10.4 Environmental School Site Selection Screening Criteria Checklist Findings

As requested by LAUSD-OEHS, a Preliminary Environmental Screening of Proposed Project at Existing School Site Checklist was completed as part of the Phase I ESA. Alisto identified a 66 kV sub transmission line adjacent to the subject property which runs along North Thomas Street into Alta Street. Based on its location and scope of work of the project, Alisto considers this a *de minimus* risk to the project.

11.0 RECOMMENDATIONS

The results and findings of this Phase I ESA indicate the potential for surface and/or subsurface contamination from hazardous materials may be present at the subject property and warrant further investigation to comply with regulatory requirements. LAUSD's redevelopment plan for Abraham Lincoln High School will involve construction of new buildings and renovation/replacement of existing buildings. Based on the findings, visual observations, and history of the subject property, additional environmental site assessment and investigation of recognized environmental concerns is warranted to comply with regulatory requirements and minimize or eliminate potential risk to the public and worker's health and safety.

Alisto recommends that additional site investigation in accordance with applicable regulatory requirements be conducted to include at the minimum the following:

- Soil sampling for organochlorine pesticides (OCPs) and polychlorinated biphenyls (PCBs) in areas planned for demolition, construction and site development.
- Soil sampling and wipe sampling for lead in the firing range beneath the auditorium to assess potential health and safety concern.
- Inspection of the boiler room and if warranted, sampling for petroleum hydrocarbons and other constituents of concern.
- Pre-construction or pre-demolition asbestos and lead based paint survey of buildings and structures planned for demolition or renovation. Per Rule 1403 of South Coast Air Quality Management District, any building that will undergo demolition or renovation, which is defined as altering of a facility or the removing or stripping of one or more facility (structure) components in any way, requires an asbestos survey. All asbestos sampling will be analyzed using SCAQMD Method 300-91 to comply this this rule.
- Removal and closure of hydraulic lifts to include soil sampling beneath the hydraulic lift and hydraulic storage tank as well as within the area of the suspected historical gasoline service station.
- Inspection of the oil-water separator and sampling of any remaining liquid, if present, to determine its chemical content and appropriate closure procedure, if warranted.

12.0 LIMITATIONS

This environmental site assessment report was prepared on behalf of and for the exclusive use of the LAUSD. Alisto prepared the Phase I ESA report in accordance with applicable regulations and generally accepted industry practices for similar type of work completed in the area at the time of the project.

The conclusions and recommendations presented above are based on the agreed scope of work outlined in this report. Alisto makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this investigation. Also, changes in site use may have occurred some time in the past due to rainfall, temperature, water usage, economic, agricultural, or other factors. Additional information that was not located, available, or could not be obtained during

the preparation of this report may result in modification of the conclusions and recommendations presented herein.

Alisto does not represent that the site contains no hazardous or toxic materials, products, or other latent conditions beyond that observed during the site assessment. Further, the services herein are in no way to be construed or intended to be relied upon as a legal opinion, interpretation or advice.

13.0 REFERENCES

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Website: http://dpw.lacounty.gov/general/wells/#

Los Angeles County GIS Data Portal – OpenStreetMap Interactive Map
Website: http://www.openstreetmap.org/

Los Angeles County Office of the Assessor, Property Assessment Information System.
Website: Parcel Viewer http://maps.assessor.lacounty.gov

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SoCalGas – Gas Transmission and High Pressure Distribution Pipeline Interactive Map Los Angeles County. Website: https://www.socalgas.com/stay-safe/pipeline-and-storage-safety/natural-gas-pipeline-map/los-angeles

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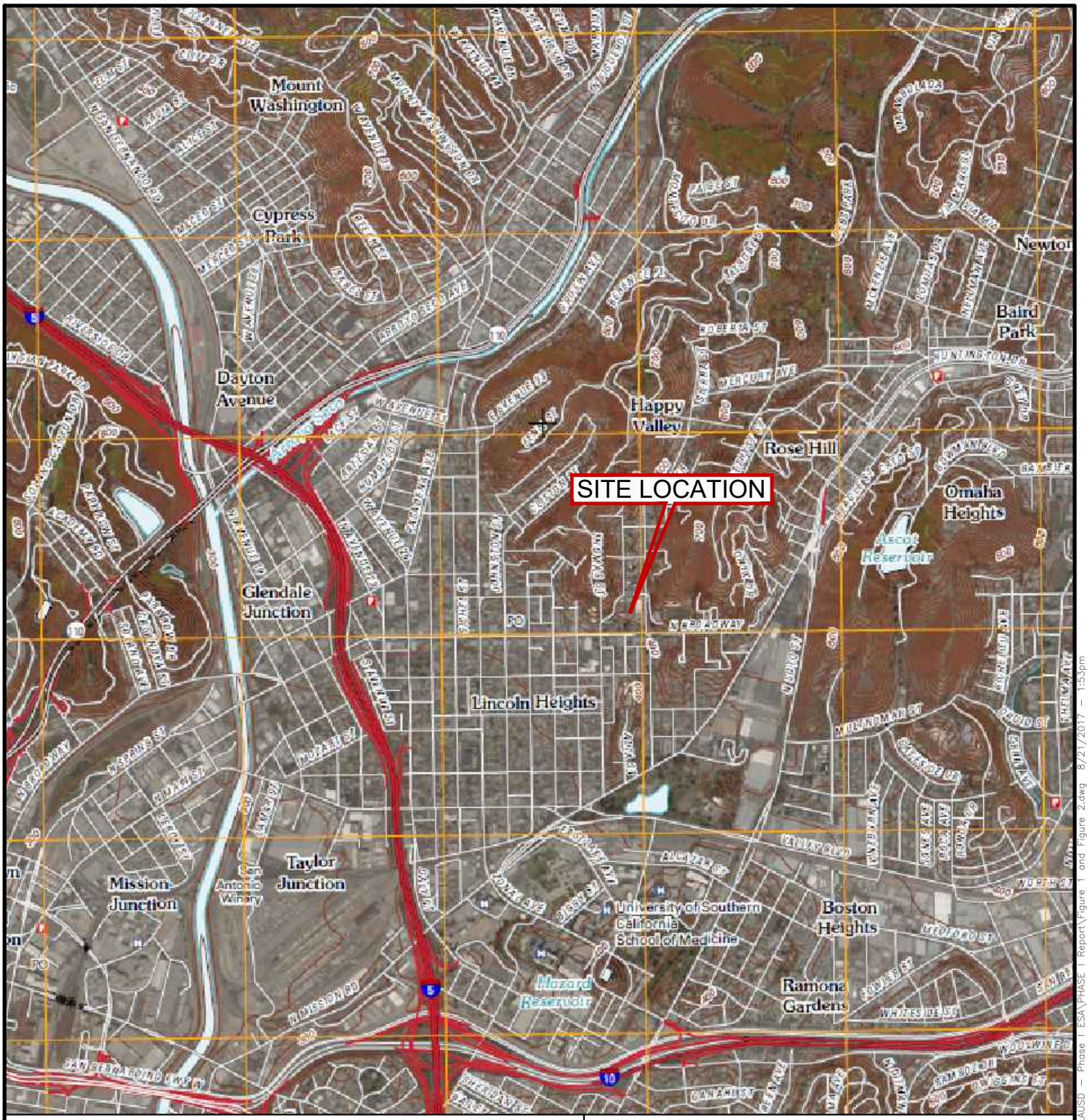
Map year: 2012.

FIGURES



QUADRANGLE LOCATION

0 0.25 0.5 1
MILE

*SITE MAP ADOPTED FROM ENVIRONMENTAL GEOLOGY SERVICES.

FIGURE 1 - SITE VICINITY

LOS ANGELES UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN HIGH SCHOOL

3501 N. BROADWAY
LOS ANGELES, CALIFORNIA
PROJECT NO: 12-0020-001 DATE: 7/26/2017

ALISTO ENGINEERING GROUP

448 HILL STREET, SUITE 1015, LOS ANGELES, CALIFORNIA, 90013
OFFICE TEL.# (213) 542-7400 FAX# (213) 542-7401 WWW.ALISTO.COM

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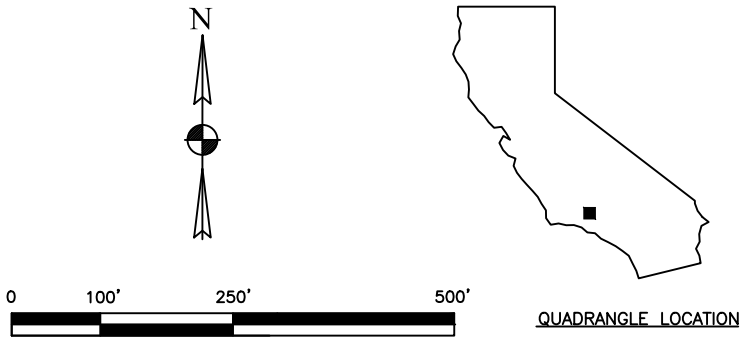

*SITE MAP ADOPTED FROM ENVIRONMENTAL GEOLOGY SERVICES.

FIGURE 2 - SITE MAP

LOS ANGELES UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN HIGH SCHOOL

3501 N. BROADWAY
LOS ANGELES, CALIFORNIA

PROJECT NO: 12-0020-001 DATE: 7/22/2017

ALISTO ENGINEERING GROUP

448 HILL STREET, SUITE 1015, LOS ANGELES, CALIFORNIA, 90013
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APPENDIX A

ENVIRONMENTAL DATABASE REPORT

3501 N. Broadway
3501 N. Broadway
Los Angeles, CA 90031

Inquiry Number: 4965983.2s
June 26, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3501 N. BROADWAY
LOS ANGELES, CA 90031

COORDINATES

Latitude (North):	34.0747340 - 34˚ 4' 29.04''
Longitude (West):	118.2036470 - 118˚ 12' 13.12''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	388937.7
UTM Y (Meters):	3770901.2
Elevation:	405 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630795 LOS ANGELES, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515, 20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
3501 N. BROADWAY
LOS ANGELES, CA 90031

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LA USD LINCOLN HS	3501 N BROADWAY	RCRA-SQG, FINDS, ECHO		TP
A2	DE ANGELIS BROS	3501 N BROADWAY	EDR Hist Auto		TP
A3	LAUSD/LINCOLN HS	3501 N BROADWAY	HAZNET		TP
A4	LAUSD - LINCOLN HIGH	3501 N BROADWAY	FINDS		TP
B5	MARKS GEO	3601 N BROADWAY	EDR Hist Auto	Higher	1 ft.
B6	LLOYD D H	3525 N BROADWAY	EDR Hist Cleaner	Higher	1 ft.
B7	BRIGHT JESSIE	3527 N BROADWAY	EDR Hist Cleaner	Higher	1 ft.
8	PUEBLO DE LOS ANGELE	2506 ALTA ST	RCRA-LQG	Higher	11, 0.002, North
C9	BRIGHT J E MRS	3520 N BROADWAY	EDR Hist Cleaner	Lower	114, 0.022, SSE
C10	AL BUTCH SERVICE S	3500 N BROADWAY	EDR Hist Auto	Lower	137, 0.026, South
D11	CASPARY J C	3334 N BROADWAY	EDR Hist Auto	Lower	141, 0.027, WSW
D12	SHIRES MILLER	3330 N BROADWAY	EDR Hist Auto	Lower	145, 0.027, WSW
D13	SCHILLING W F	3324 N BROADWAY	EDR Hist Auto	Lower	155, 0.029, WSW
C14	LLOYD F D	3510 N BROADWAY	EDR Hist Cleaner	Lower	165, 0.031, South
E15	ANSWORAN L A	3219 N BROADWAY	EDR Hist Cleaner	Lower	578, 0.109, WSW
E16	WINALL #3	3200 N BROADWAY	UST	Lower	738, 0.140, WSW
E17	WINALL (MOBIL)	3200 N BROADWAY	HIST UST	Lower	738, 0.140, WSW
E18	WINALL MOBIL STATION	3200 N BROADWAY	SWEEPS UST, CA FID UST	Lower	738, 0.140, WSW
E19	B AND K SHELL	3200 N BROADWAY	UST	Lower	738, 0.140, WSW
E20	WINALL OIL COMPANY #	3200 BROADWAY	LUST	Lower	738, 0.140, WSW
F21	HERAYER M SELVIAN	3979 N MISSION RD	CA FID UST	Higher	867, 0.164, ESE
F22	SELVIAN AUTOMOTIVE	3979 MISSION RD N	LUST	Higher	867, 0.164, ESE
F23	HERAYER M SELVIAN	3979 N MISSION RD	UST, SWEEPS UST	Higher	867, 0.164, ESE
G24	BROADWAY VALERO	3130 N BROADWAY	UST	Lower	934, 0.177, WSW
G25	BROADWAY SHELL SERVI	3130 N BROADWAY	CA FID UST	Lower	934, 0.177, WSW
G26	FOUAD N DAGHER	3130 N BROADWAY	HIST UST	Lower	934, 0.177, WSW
G27	SHELL SERVICE STATIO	3130 N BROADWAY / EA	RCRA-SQG	Lower	934, 0.177, WSW
G28	FOUA D N DAGHER	3130 BROADWAY N	LUST, HIST CORTESE	Lower	934, 0.177, WSW
G29	BROADWAY SHELL SERVI	3130 N BROADWAY	UST, SWEEPS UST	Lower	934, 0.177, WSW
F30	LOS ANGELES CITY-MIS	NE OF MISSION RD & N	WMUDS/SWAT	Higher	1006, 0.191, East
F31	MISSION BROADWAY APA	4001 MISSION RD	LUST, HIST CORTESE	Higher	1013, 0.192, East
F32	MISSION BROADWAY APA	4001 MISSION RD	LUST	Higher	1013, 0.192, East
F33	HENRY PONCE	4001 N MISSION RD	SWEEPS UST, CA FID UST	Higher	1013, 0.192, East
G34	93105	3105 N BROADWAY	HIST UST	Lower	1080, 0.205, West
G35	93105-CHEVRON STATIO	3105 N BROADWAY	SWEEPS UST, CA FID UST	Lower	1080, 0.205, West
G36	CHEVRON STATION 9310	3105 N BROADWAY	RCRA-SQG, FINDS, ECHO	Lower	1080, 0.205, West
H37	MACY'S WEST	3880 MISSION RD N	LUST	Lower	1128, 0.214, SE
H38	FOREVER 21, INC.	3880 N. MISSION ROAD	UST, SWEEPS UST	Lower	1128, 0.214, SE
H39	FDERATED LOGISTICS	3880 N MISSION RD	CA FID UST, WDS	Lower	1128, 0.214, SE

MAPPED SITES SUMMARY

Target Property Address:
3501 N. BROADWAY
LOS ANGELES, CA 90031

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	MACY'S WEST	3880 MISSION	HIST CORTESE	Lower	1128, 0.214, SE
41	A C S MISSION PROPER	3801 MISSION RD.	LUST	Lower	1506, 0.285, SSE
42	LINCOLN PARK	2037 LINCOLN PARK	SLIC	Lower	1853, 0.351, South
43	BLUE LINE - AVE. 26	380 AVENUE 26	SLIC	Lower	1955, 0.370, WNW
44	SELIG PLACE & MISSIO	SELIG PLACE & MISSIO	WMUDS/SWAT	Lower	1977, 0.374, SSE
I45	ARCO #1786	2829 BROADWAY	LUST	Lower	2107, 0.399, West
I46	ARCO #1786	2829 BROADWAY	LUST, HIST CORTESE	Lower	2107, 0.399, West
I47	ARCO #1786	2829 BROADWAY N.	LUST	Lower	2107, 0.399, West
48	ROOSEVELT HIGH SCHOO	3921 SELIG PLACE	ENVIROSTOR, SCH	Lower	2165, 0.410, SSE
49	LAUSD	2151 SOTO ST N	LUST	Lower	2309, 0.437, SE
50	JAYBEE MANUFACTURING	301 AVENUE 26 E	LUST, SLIC	Lower	2536, 0.480, WNW
51	SOTO STREET FACILITY	2100 SOTO ST N	LUST, HIST CORTESE	Lower	2601, 0.493, SE
52	CELOTEX CORP	1633 SAN PABLO	ENVIROSTOR	Lower	3418, 0.647, South
53	BUILDERS HARDWARE FI	1846 SICHEL ST	SEMS-ARCHIVE, RCRA-SQG, LIENS 2, PRP, ICIS,...	Lower	3845, 0.728, SW
54	KENNINGTON LTD. (ITT	3209 HUMBOLDT ST.	SEMS, ENVIROSTOR, VCP, SWEEPS UST, CA FID UST,...	Lower	4335, 0.821, NW
55	CHARO - COMMUNITY DE	4301 VALLEY BLVD.	ENVIROSTOR, LA Co. Site Mitigation	Lower	4373, 0.828, SE
56	FORMER WELCH'S UNIFO	3505 PASADENA AVENUE	RCRA-LQG, ENVIROSTOR, LUST, SLIC, VCP, SWEEPS UST,..	Lower	4554, 0.863, NW
57	JAYBEE/ AJAX MFG COR	301 WEST AVE. 26	ENVIROSTOR, VCP, EMI	Lower	4577, 0.867, WNW
58	WONG PROPERTIES	2716 MEDFORD ST	ENVIROSTOR, SLIC, ENF, LA Co. Site Mitigation	Lower	4680, 0.886, SSE
59	M.O.R.E. OIL COMPANY	645 SOUTH AVE. 21	RESPONSE, ENVIROSTOR, HIST Cal-Sites	Lower	4931, 0.934, SW
60	VICTOR INDUSTRIAL BA	138 N SAN FERNANDO R	ENVIROSTOR, VCP, DEED, LA Co. Site Mitigation	Lower	5011, 0.949, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LA USD LINCOLN HS 3501 N BROADWAY LOS ANGELES, CA 90031	RCRA-SQG EPA ID:: CAD981625825 FINDS Registry ID:: 110002729174 ECHO	CAD981625825
DE ANGELIS BROS 3501 N BROADWAY LOS ANGELES, CA	EDR Hist Auto	N/A
LAUSD/LINCOLN HS 3501 N BROADWAY LOS ANGELES, CA 90031	HAZNET GEPAID: CAD981625825	N/A
LAUSD - LINCOLN HIGH 3501 N BROADWAY LOS ANGELES, CA 90031	FINDS Registry ID:: 110065791325	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

EXECUTIVE SUMMARY

SEMS ..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Properties
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY	Recycler Database
HAULERS	Registered Waste Tire Haulers Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN	San Gabriel Valley Areas of Concern
US HIST CDL	Delisted National Clandestine Laboratory Register
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data

EXECUTIVE SUMMARY

COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUEBLO DE LOS ANGELE	2506 ALTA ST	N 0 - 1/8 (0.002 mi.)	8	13

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL SERVICE STATIO	3130 N BROADWAY / EA	WSW 1/8 - 1/4 (0.177 mi.)	G27	30
CHEVRON STATION 9310	***3105 N BROADWAY***	***W 1/8 - 1/4 (0.205 mi.)***	***G36***	***50***

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
M.O.R.E. OIL COMPANY	***645 SOUTH AVE. 21***	***SW 1/2 - 1 (0.934 mi.)***	***59***	***129***

Database: RESPONSE, Date of Government Version: 01/30/2017

Status: Certified
Facility Id: 19130103

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2017 has revealed that there are 9 ENVIROSTOR sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROOSEVELT HIGH SCHOO Facility Id: 60001144 Status: No Further Action	***3921 SELIG PLACE***	***SSE 1/4 - 1/2 (0.410 mi.)***	***48***	***69***
CELOTEX CORP Facility Id: 19290035 Status: No Further Action	1633 SAN PABLO	S 1/2 - 1 (0.647 mi.)	52	78
KENNINGTON LTD. (ITT Facility Id: 19340739 Status: Active	***3209 HUMBOLDT ST.***	***NW 1/2 - 1 (0.821 mi.)***	***54***	***84***
CHARO - COMMUNITY DE Facility Id: 60000449 Status: Inactive - Action Required	***4301 VALLEY BLVD.***	***SE 1/2 - 1 (0.828 mi.)***	***55***	***100***
FORMER WELCH'S UNIFO Facility Id: 60000636 Status: Active	***3505 PASADENA AVENUE***	***NW 1/2 - 1 (0.863 mi.)***	***56***	***102***
JAYBEE/ AJAX MFG COR Facility Id: 19490238 Status: Active	***301 WEST AVE. 26***	***WNW 1/2 - 1 (0.867 mi.)***	***57***	***120***
WONG PROPERTIES Facility Id: 60000145 Status: Refer: 1248 Local Agency	***2716 MEDFORD ST***	***SSE 1/2 - 1 (0.886 mi.)***	***58***	***125***
M.O.R.E. OIL COMPANY Facility Id: 19130103 Status: Certified	***645 SOUTH AVE. 21***	***SW 1/2 - 1 (0.934 mi.)***	***59***	***129***
VICTOR INDUSTRIAL BA Facility Id: 19360528 Status: Certified O&M - Land Use Restrictions Only	***138 N SAN FERNANDO R***	***W 1/2 - 1 (0.949 mi.)***	***60***	***132***

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 13 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SELVIAN AUTOMOTIVE	3979 MISSION RD N	ESE 1/8 - 1/4 (0.164 mi.)	F22	22
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Remediation Facility Id: 900310334 Status: Pollution Characterization Global Id: T0603793069 Global ID: T0603793069				
MISSION BROADWAY APA	***4001 MISSION RD***	***E 1/8 - 1/4 (0.192 mi.)***	***F31***	***44***
Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Global Id: T0603700786				
MISSION BROADWAY APA	4001 MISSION RD	E 1/8 - 1/4 (0.192 mi.)	F32	45
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 900310043 Status: Case Closed Global ID: T0603700786				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WINALL OIL COMPANY #	3200 BROADWAY	WSW 1/8 - 1/4 (0.140 mi.)	E20	19
Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Remediation Global Id: T0603784346				
FOUA D N DAGHER	***3130 BROADWAY N***	***WSW 1/8 - 1/4 (0.177 mi.)***	***G28***	***32***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Open - Remediation Facility Id: 900310270 Status: Preliminary site assessment underway Global Id: T0603700808 Global ID: T0603700808				
MACY'S WEST	3880 MISSION RD N	SE 1/8 - 1/4 (0.214 mi.)	H37	51
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: 900310025 Status: Case Closed Global Id: T0603700784 Global ID: T0603700784				
A C S MISSION PROPER	3801 MISSION RD.	SSE 1/4 - 1/2 (0.285 mi.)	41	56
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017				

Status: Completed - Case Closed
Facility Id: 900310361
Status: Leak being confirmed
Global Id: T0603761102
Global ID: T0603761102

ARCO #1786	2829 BROADWAY	W 1/4 - 1/2 (0.399 mi.)	I45	61

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 900310261
Status: Case Closed
Global ID: T0603700807

ARCO #1786	***2829 BROADWAY***	***W 1/4 - 1/2 (0.399 mi.)***	***I46***	***62***

Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T0603700807

ARCO #1786	2829 BROADWAY N.	W 1/4 - 1/2 (0.399 mi.)	I47	64

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: 900310261A
Status: Leak being confirmed
Global Id: T0603727357
Global ID: T0603727357

LAUSD	2151 SOTO ST N	SE 1/4 - 1/2 (0.437 mi.)	49	72

Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Global Id: T0603737823

JAYBEE MANUFACTURING	***301 AVENUE 26 E***	***WNW 1/4 - 1/2 (0.480 mi.)***	***50***	***74***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 900310152
Status: Case Closed
Global ID: T0603700796

SOTO STREET FACILITY	***2100 SOTO ST N***	***SE 1/4 - 1/2 (0.493 mi.)***	***51***	***75***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/13/2017
Status: Completed - Case Closed
Facility Id: 900320125
Status: Leak being confirmed
Global Id: T0603700825
Global ID: T0603700825

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there are 3 SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LINCOLN PARK	2037 LINCOLN PARK	S 1/4 - 1/2 (0.351 mi.)	42	59

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017

Facility Status: Completed - Case Closed
Facility Status: No further action required
Global Id: SL204EM2413

BLUE LINE - AVE. 26	380 AVENUE 26	WNW 1/4 - 1/2 (0.370 mi.)	43	60

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Completed - Case Closed
Global Id: SL0603746853

JAYBEE MANUFACTURING	***301 AVENUE 26 E***	***WNW 1/4 - 1/2 (0.480 mi.)***	***50***	***74***

Database: SLIC, Date of Government Version: 03/13/2017
Facility Status: Completed - Case Closed
Global Id: T0603700796

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HERAYER M SELVIAN	***3979 N MISSION RD***	***ESE 1/8 - 1/4 (0.164 mi.)***	***F23***	***28***

Database: UST, Date of Government Version: 03/12/2017
Facility Id: 24045

Lower Elevation	Address	Direction / Distance	Map ID	Page
WINALL #3	3200 N BROADWAY	WSW 1/8 - 1/4 (0.140 mi.)	E16	16

Database: UST, Date of Government Version: 03/12/2017
Facility Id: 25138

B AND K SHELL	3200 N BROADWAY	WSW 1/8 - 1/4 (0.140 mi.)	E19	19

Database: UST, Date of Government Version: 03/12/2017

BROADWAY VALERO	3130 N BROADWAY	WSW 1/8 - 1/4 (0.177 mi.)	G24	28

Database: UST, Date of Government Version: 03/12/2017

BROADWAY SHELL SERVI	***3130 N BROADWAY***	***WSW 1/8 - 1/4 (0.177 mi.)***	***G29***	***42***

Database: UST, Date of Government Version: 03/12/2017
Facility Id: 25133

FOREVER 21, INC.	***3880 N. MISSION ROAD***	***SE 1/8 - 1/4 (0.214 mi.)***	***H38***	***54***

Database: UST, Date of Government Version: 03/12/2017
Facility Id: FA0029311
Facility Id: 25499

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES CITY-MIS	NE OF MISSION RD & N	E 1/8 - 1/4 (0.191 mi.)	F30	43

Lower Elevation	Address	Direction / Distance	Map ID	Page
SELIG PLACE & MISSIO	SELIG PLACE & MISSIO	SSE 1/4 - 1/2 (0.374 mi.)	44	60

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
M.O.R.E. OIL COMPANY	***645 SOUTH AVE. 21***	***SW 1/2 - 1 (0.934 mi.)***	***59***	***129***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 6 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HERAYER M SELVIAN Status: A Comp Number: 4643	***3979 N MISSION RD***	***ESE 1/8 - 1/4 (0.164 mi.)***	***F23***	***28***
HENRY PONCE Comp Number: 5423	***4001 N MISSION RD***	***E 1/8 - 1/4 (0.192 mi.)***	***F33***	***47***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WINALL MOBIL STATION	***3200 N BROADWAY***	***WSW 1/8 - 1/4 (0.140 mi.)***	***E18***	***17***

Status: A Tank Status: A Comp Number: 926				
BROADWAY SHELL SERVI Status: A Tank Status: A Comp Number: 3204	***3130 N BROADWAY***	***WSW 1/8 - 1/4 (0.177 mi.)***	***G29***	***42***
93105-CHEVRON STATIO Comp Number: 3537	***3105 N BROADWAY***	***W 1/8 - 1/4 (0.205 mi.)***	***G35***	***48***
FOREVER 21, INC. Status: A Tank Status: A Comp Number: 5159	***3880 N. MISSION ROAD***	***SE 1/8 - 1/4 (0.214 mi.)***	***H38***	***54***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WINALL (MOBIL) Facility Id: 00000007960	3200 N BROADWAY	WSW 1/8 - 1/4 (0.140 mi.)	E17	16
FOUAD N DAGHER Facility Id: 00000056085	3130 N BROADWAY	WSW 1/8 - 1/4 (0.177 mi.)	G26	29
93105 Facility Id: 00000062389	3105 N BROADWAY	W 1/8 - 1/4 (0.205 mi.)	G34	47

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 6 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HERAYER M SELVIAN Facility Id: 19025593 Status: A	3979 N MISSION RD	ESE 1/8 - 1/4 (0.164 mi.)	F21	22
HENRY PONCE Facility Id: 19003535 Status: I	***4001 N MISSION RD***	***E 1/8 - 1/4 (0.192 mi.)***	***F33***	***47***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WINALL MOBIL STATION Facility Id: 19055357 Status: A	***3200 N BROADWAY***	***WSW 1/8 - 1/4 (0.140 mi.)***	***E18***	***17***
BROADWAY SHELL SERVI Facility Id: 19003267	3130 N BROADWAY	WSW 1/8 - 1/4 (0.177 mi.)	G25	29

Status: A				
93105-CHEVRON STATIO Facility Id: 19005177 Status: I	***3105 N BROADWAY***	***W 1/8 - 1/4 (0.205 mi.)***	***G35***	***48***
FDERATED LOGISTICS Facility Id: 19001563 Status: A	***3880 N MISSION RD***	***SE 1/8 - 1/4 (0.214 mi.)***	***H39***	***54***

Other Ascertainable Records

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 09/30/2016 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BUILDERS HARDWARE FI	***1846 SICHEL ST***	***SW 1/2 - 1 (0.728 mi.)***	***53***	***80***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 5 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MISSION BROADWAY APA Reg Id: 900310043	***4001 MISSION RD***	***E 1/8 - 1/4 (0.192 mi.)***	***F31***	***44***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FOUA D N DAGHER Reg Id: 900310270	***3130 BROADWAY N***	***WSW 1/8 - 1/4 (0.177 mi.)***	***G28***	***32***
MACY'S WEST Reg Id: 900310025	3880 MISSION	SE 1/8 - 1/4 (0.214 mi.)	H40	56
ARCO #1786 Reg Id: 900310261	***2829 BROADWAY***	***W 1/4 - 1/2 (0.399 mi.)***	***I46***	***62***
SOTO STREET FACILITY Reg Id: 900320125	***2100 SOTO ST N***	***SE 1/4 - 1/2 (0.493 mi.)***	***51***	***75***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARKS GEO	3601 N BROADWAY	0 - 1/8 (0.000 mi.)	B5	12

Lower Elevation	Address	Direction / Distance	Map ID	Page
AL BUTCH SERVICE S	3500 N BROADWAY	S 0 - 1/8 (0.026 mi.)	C10	14
CASPARY J C	3334 N BROADWAY	WSW 0 - 1/8 (0.027 mi.)	D11	15
SHIRES MILLER	3330 N BROADWAY	WSW 0 - 1/8 (0.027 mi.)	D12	15
SCHILLING W F	3324 N BROADWAY	WSW 0 - 1/8 (0.029 mi.)	D13	15

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 5 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LLOYD D H	3525 N BROADWAY	0 - 1/8 (0.000 mi.)	B6	12
BRIGHT JESSIE	3527 N BROADWAY	0 - 1/8 (0.000 mi.)	B7	13

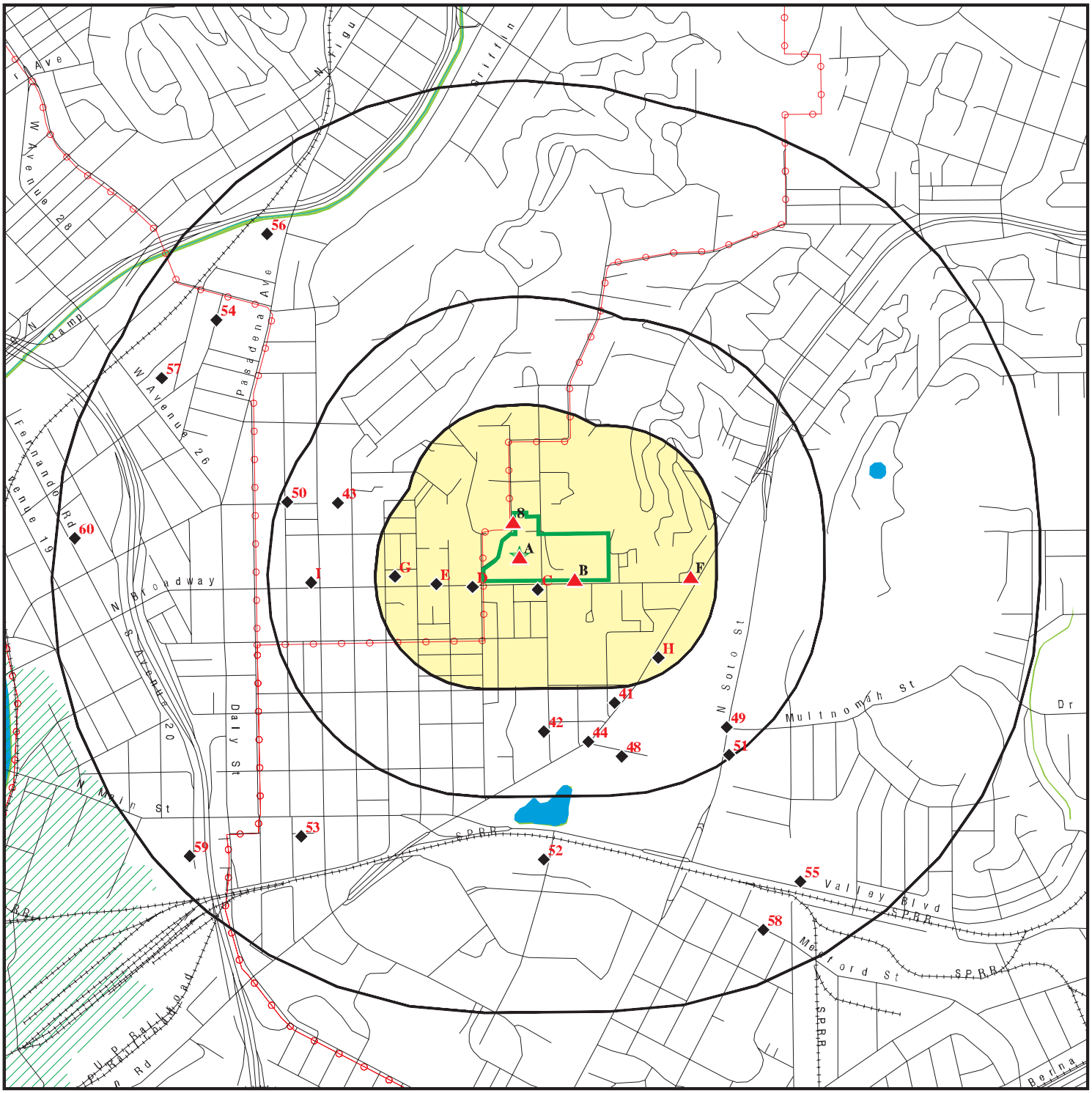
Lower Elevation	Address	Direction / Distance	Map ID	Page
BRIGHT J E MRS	3520 N BROADWAY	SSE 0 - 1/8 (0.022 mi.)	C9	14
LLOYD F D	3510 N BROADWAY	S 0 - 1/8 (0.031 mi.)	C14	15
ANSWORAN L A	3219 N BROADWAY	WSW 0 - 1/8 (0.109 mi.)	E15	16

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

Site Name	Database(s)
CALIFORNIA TARGET STATION #49	LUST
SIDEWALK TREE PLANTER HOLE	LUST
THE E.B. MALONE CORP.	SLIC
CRHS #13	ENVIROSTOR, SCH
BARON MANUFACTURING	ENVIROSTOR
METRO RAIL PASADENA BLUE LINE	ENVIROSTOR

OVERVIEW MAP - 4965983.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 3501 N. Broadway	CLIENT: Alisto Engineering Group
ADDRESS: 3501 N. Broadway Los Angeles CA 90031	CONTACT: AL Sevilla INQUIRY #: 4965983.2s
LAT/LONG: 34.074734 / -118.203647	DATE: June 26, 2017 4:48 pm

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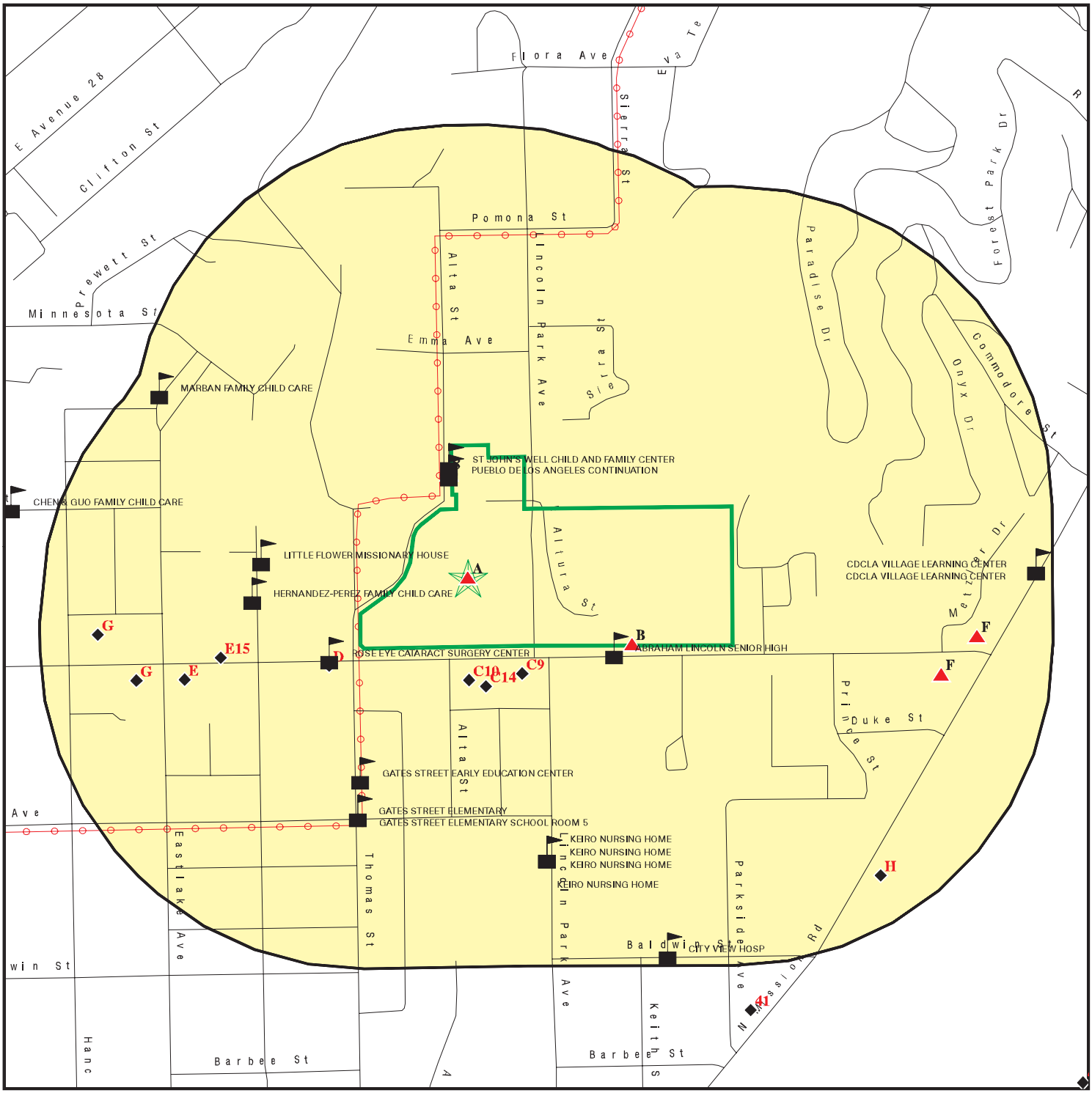
DETAIL MAP - 4965983.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	3501 N. Broadway	CLIENT:	Alisto Engineering Group
ADDRESS:	3501 N. Broadway Los Angeles CA 90031	CONTACT:	AL Sevilla
		INQUIRY #:	4965983.2s
LAT/LONG:	34.074734 / -118.203647	DATE:	June 26, 2017 4:49 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250	1	0	2	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	1	8	NR	9
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	6	7	NR	NR	13

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	3	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	6	NR	NR	NR	6
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	1	1	NR	NR	2
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	6	NR	NR	NR	6
HIST UST	0.250		0	3	NR	NR	NR	3
CA FID UST	0.250		0	6	NR	NR	NR	6
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	1	NR	1
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	2	0	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	1	0	NR	NR	NR	NR	1
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	3	2	NR	NR	5
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	1	5	NR	NR	NR	NR	6
EDR Hist Cleaner	0.125		5	NR	NR	NR	NR	5
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		6	11	33	14	11	0	75

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1	**LA USD LINCOLN HS**	**RCRA-SQG**	**1000427640**
Target	**3501 N BROADWAY**	**FINDS**	**CAD981625825**
Property	**LOS ANGELES, CA 90031**	**ECHO**	

Site 1 of 4 in cluster A

Actual: 405 ft.

RCRA-SQG:

Date form received by agency:	03/31/2004
Facility name:	LAUSD--LINCOLN HS
Facility address:	3501 N. BROADWAY LOS ANGELES, CA 90031
EPA ID:	CAD981625825
Mailing address:	333 S. BEAUDRY AVE. 20TH FL LOS ANGELES, CA 90017
Contact:	SOE AUNG
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(213) 241-3199
Contact email:	SOE.AUNG@LAUSD. NET
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	LA USD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	LAUSD
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2003
Owner/Op end date:	Not reported

LA USD LINCOLN HS (Continued) **1000427640**

Owner/operator name: LAUSD
Owner/operator address: 333 S. BEAUDRY AVE. 20TH FL
LOS ANGELES, CA 90017
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/31/2004
Site name: LAUSD--LINCOLN HS
Classification: Large Quantity Generator

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 01/27/1986
Site name: LA USD LINCOLN HS
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002729174

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LA USD LINCOLN HS (Continued) **1000427640**

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000427640
Registry ID: 110002729174
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002729174

A2 Target Property **DE ANGELIS BROS** **EDR Hist Auto** **1009079915**
3501 N BROADWAY **N/A**
LOS ANGELES, CA

Site 2 of 4 in cluster A

Actual: 405 ft.

EDR Hist Auto

Year:	Name:	Type:
1929	DE ANGELIS BROS	GASOLINE AND OIL SERVICE STATION
1933	DE ANGELIS BROS	GASOLINE AND OIL SERVICE STATIONS

A3 Target Property **LAUSD/LINCOLN HS** **HAZNET** **S113008160**
3501 N BROADWAY **N/A**
LOS ANGELES, CA 90031

Site 3 of 4 in cluster A

Actual: 405 ft.

HAZNET:
envid: S113008160
Year: 2014
GEPAID: CAD981625825
Contact: PAT SCHAENEN
Telephone: 2132413921
Mailing Name: Not reported
Mailing Address: 496 S BEAUDRY AVE FL 28
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 33.712
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113008160
Year: 2014
GEPAID: CAD981625825
Contact: PAT SCHAENEN
Telephone: 2132413921
Mailing Name: Not reported
Mailing Address: 496 S BEAUDRY AVE FL 28

LAUSD/LINCOLN HS (Continued) **S113008160**

Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.55
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2012
GEPAID:	CAD981625825
Contact:	SOE AUNG
Telephone:	2137455939
Mailing Name:	Not reported
Mailing Address:	333 S BEAUNDRY AVE 28TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.243
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2012
GEPAID:	CAD981625825
Contact:	SOE AUNG
Telephone:	2137455939
Mailing Name:	Not reported
Mailing Address:	333 S BEAUNDRY AVE 28TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2011
GEPAID:	CAD981625825
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 27

LAUSD/LINCOLN HS (Continued) **S113008160**

Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
41 additional CA_HAZNET: record(s) in the EDR Site Report.

A4
Target Property

LAUSD - LINCOLN HIGH SCHOOL **FINDS** **1023287923**
3501 N BROADWAY **N/A**
LOS ANGELES, CA 90031

Site 4 of 4 in cluster A

Actual: 405 ft.

FINDS:

Registry ID: 110065791325

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

B5
< 1/8
1 ft.

MARKS GEO **EDR Hist Auto** **1009077834**
3601 N BROADWAY **N/A**
LOS ANGELES, CA

Site 1 of 3 in cluster B

Relative: Higher

EDR Hist Auto

Actual: 430 ft.

Year:	Name:	Type:
1924	MARKS GEO	AUTOMOBILE SERVICE STATIONS

B6
< 1/8
1 ft.

LLOYD D H **EDR Hist Cleaner** **1009188321**
3525 N BROADWAY **N/A**
LOS ANGELES, CA

Site 2 of 3 in cluster B

Relative: Higher

EDR Hist Cleaner

Actual: 427 ft.

Year:	Name:	Type:
1924	LLOYD D H	CLOTHES CLEANERS PRESSERS AND DYERS
1929	LLOYD F D	CLOTHES PRESSERS CLEANERS AND REPAIRERS

B7 **BRIGHT JESSIE** **EDR Hist Cleaner** **1009192357**
3527 N BROADWAY **N/A**
< 1/8 **LOS ANGELES, CA**
1 ft.

Site 3 of 3 in cluster B

Relative:
Higher

EDR Hist Cleaner

Year:	Name:	Type:
1933	BRIGHT JESSIE	CLOTHES PRESSERS AND CLEANERS

Actual:
427 ft.

---

8 **PUEBLO DE LOS ANGELES HIGH SCHOOL** **RCRA-LQG** **1011861694**
North **2506 ALTA ST** **CAR000196576**
< 1/8 **LOS ANGELES, CA 90031**
0.002 mi.
11 ft.

Relative:
Higher

Actual:
413 ft.

RCRA-LQG:

Date form received by agency:	11/05/2008
Facility name:	PUEBLO DE LOS ANGELES HIGH SCHOOL
Facility address:	2506 ALTA ST LOS ANGELES, CA 90031
EPA ID:	CAR000196576
Mailing address:	333 S BEAUDRY AVE 20TH FL LAUSD OEHS LOS ANGELES, CA 90017
Contact:	SOE AUNG
Contact address:	333 S BEAUDRY AVE 20TH FL LAUSD OEHS LOS ANGELES, CA 90017
Contact country:	US
Contact telephone:	213-241-3904
Contact email:	SOE.AUNG@LAUSD.NET
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LAUSD
Owner/operator address:	333 S BEAUDRY AVE LOS ANGELES, CA 90017
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	11/14/1989
Owner/Op end date:	Not reported
Owner/operator name:	PUEBLO DE LOS ANGELES HIGH SCHOOL

PUEBLO DE LOS ANGELES HIGH SCHOOL (Continued) **1011861694**

Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	11/14/1989
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D008
. Waste name:	LEAD

Violation Status: No violations found

C9 **BRIGHT J E MRS** **EDR Hist Cleaner** **1009188388**
SSE **3520 N BROADWAY** **N/A**
< 1/8 **LOS ANGELES, CA**
0.022 mi.
114 ft. **Site 1 of 3 in cluster C**

Relative:
Lower

EDR Hist Cleaner

Year:	Name:	Type:
1929	BRIGHT J E MRS	CLOTHES PRESSERS CLEANERS AND REPAIRERS

Actual:
395 ft.

C10 **AL BUTCH SERVICE STATION** **EDR Hist Auto** **1009082336**
South **3500 N BROADWAY** **N/A**
< 1/8 **LOS ANGELES, CA**
0.026 mi.
137 ft. **Site 2 of 3 in cluster C**

Relative:
Lower

EDR Hist Auto

Year:	Name:	Type:
1942	AL BUTCH SERVICE STATION	GASOLINE AND OIL SERVICE STATIONS

Actual:
390 ft.

D11 WSW < 1/8 0.027 mi. 141 ft. — **CASPARY J C**, **3334 N BROADWAY**, **LOS ANGELES, CA** — **EDR Hist Auto** — **1009078020** / **N/A**

Site 1 of 3 in cluster D

Relative: Lower

EDR Hist Auto

Actual: 378 ft.

Year:	Name:	Type:
1937	CASPARY J C	AUTOMOBILE REPAIRING

D12 WSW < 1/8 0.027 mi. 145 ft. — **SHIRES MILLER**, **3330 N BROADWAY**, **LOS ANGELES, CA** — **EDR Hist Auto** — **1009079329** / **N/A**

Site 2 of 3 in cluster D

Relative: Lower

EDR Hist Auto

Actual: 378 ft.

Year:	Name:	Type:
1929	SHIRES MILLER	GASOLINE AND OIL SERVICE STATION
1933	HAWKINS C P	GASOLINE AND OIL SERVICE STATIONS
1937	SPRINGER FRANK	GASOLINE AND OIL SERVICE STATIONS
1942	HOLLISTER G W	GASOLINE AND OIL SERVICE STATIONS

D13 WSW < 1/8 0.029 mi. 155 ft. — **SCHILLING W F**, **3324 N BROADWAY**, **LOS ANGELES, CA** — **EDR Hist Auto** — **1009079491** / **N/A**

Site 3 of 3 in cluster D

Relative: Lower

EDR Hist Auto

Actual: 378 ft.

Year:	Name:	Type:
1933	CASPARY J A	AUTOMOBILE REPAIRING
1942	SCHILLING W F	AUTOMOBILE REPAIRING
1971	CHUY JESUS	Not reported
1972	CHUY JESUS	Not reported
1973	CHUY JESUS	Not reported

C14 South < 1/8 0.031 mi. 165 ft. — **LLOYD F D**, **3510 N BROADWAY**, **LOS ANGELES, CA** — **EDR Hist Cleaner** — **1009189888** / **N/A**

Site 3 of 3 in cluster C

Relative: Lower

EDR Hist Cleaner

Actual: 390 ft.

Year:	Name:	Type:
1933	LLOYD F D	CLOTHES PRESSERS AND CLEANERS
1937	LLOYD F D	CLOTHES PRESSERS AND CLEANERS

E15 WSW < 1/8 0.109 mi. 578 ft. | **ANSWORAN L A** | **EDR Hist Cleaner** | **1009188747**
3219 N BROADWAY | **N/A**
LOS ANGELES, CA

Site 1 of 6 in cluster E

Relative: Lower

Actual: 362 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1924	ANSWORAN L A	CLOTHES CLEANERS PRESSERS AND DYERS

E16 WSW 1/8-1/4 0.140 mi. 738 ft. | **WINALL #3** | **UST** | **U003943025**
3200 N BROADWAY | **N/A**
LOS ANGELES, CA 90031

Site 2 of 6 in cluster E

Relative: Lower

Actual: 358 ft.

UST:

Facility ID:	25138
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.0749323
Longitude:	-118.2062088

E17 WSW 1/8-1/4 0.140 mi. 738 ft. | **WINALL (MOBIL)** | **HIST UST** | **U001561306**
3200 N BROADWAY | **N/A**
LOS ANGELES, CA 90031

Site 3 of 6 in cluster E

Relative: Lower

Actual: 358 ft.

HIST UST:

File Number:	00028896
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028896.pdf
Region:	STATE
Facility ID:	00000007960
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2134278847
Owner Name:	WINAL OIL COMPANY
Owner Address:	3978 CHERRY AVENUE
Owner City,St,Zip:	LONG BEACH, CA 90807
Total Tanks:	0004
Tank Num:	001
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED

WINALL (MOBIL) (Continued) **U001561306**

Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Click here for Geo Tracker PDF:

E18
WSW
1/8-1/4
0.140 mi.
738 ft.

WINALL MOBIL STATION
3200 N BROADWAY
LOS ANGELES, CA 90031

SWEEPS UST **S101617341**
CA FID UST **N/A**

Site 4 of 6 in cluster E

Relative:
Lower

Actual:
358 ft.

SWEEPS UST:
Status: Active
Comp Number: 926
Number: 1
Board Of Equalization: 44-011482
Referral Date: 03-04-93
Action Date: 03-04-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000926-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 926
Number: 1
Board Of Equalization: 44-011482
Referral Date: 03-04-93
Action Date: 03-04-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000926-000002
Tank Status: A
Capacity: 20000

WINALL MOBIL STATION (Continued) **S101617341**

Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	926
Number:	1
Board Of Equalization:	44-011482
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000926-000003
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	926
Number:	1
Board Of Equalization:	44-011482
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000926-000004
Tank Status:	A
Capacity:	1000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19055357
Regulated By:	UTNKA
Regulated ID:	00007960
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134278847
Mail To:	Not reported
Mailing Address:	3978 CHERRY AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported

WINALL MOBIL STATION (Continued) **S101617341**

Status: Active

E19
WSW
1/8-1/4
0.140 mi.
738 ft.

B AND K SHELL **UST** **U004262962**
3200 N BROADWAY **N/A**
LOS ANGELES, CA 90031

Site 5 of 6 in cluster E

Relative:
Lower

Actual:
358 ft.

UST:

Facility ID:	Not reported
Permitting Agency:	Los Angeles City Fire Department
Latitude:	34.07348
Longitude:	-118.2075

E20
WSW
1/8-1/4
0.140 mi.
738 ft.

WINALL OIL COMPANY #3 **LUST** **S109284130**
3200 BROADWAY **N/A**
LOS ANGELES, CA 90031

Site 6 of 6 in cluster E

Relative:
Lower

Actual:
358 ft.

LUST:

Region:	STATE
Global Id:	T0603784346
Latitude:	34.073509
Longitude:	-118.20749
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	12/23/2010
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310389
LOC Case Number:	23645
File Location:	Regional Board
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603784346
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Global Id:	T0603784346
Contact Type:	Local Agency Caseworker
Contact Name:	PATRICK KILLIAN
Organization Name:	LOS ANGELES, CITY OF
Address:	221 N FIGUEROA ST STE 1500
City:	LOS ANGELES
Email:	Not reported

WINALL OIL COMPANY #3 (Continued) **S109284130**

Phone Number: 2134826527

Status History:

Global Id: T0603784346
Status: Open - Case Begin Date
Status Date: 09/19/1997

Global Id: T0603784346
Status: Open - Remediation
Status Date: 12/23/2010

Global Id: T0603784346
Status: Open - Site Assessment
Status Date: 01/09/1998

Regulatory Activities:

Global Id: T0603784346
Action Type: ENFORCEMENT
Date: 12/23/2010
Action: Staff Letter

Global Id: T0603784346
Action Type: RESPONSE
Date: 11/06/2008
Action: Other Report / Document

Global Id: T0603784346
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: ENFORCEMENT
Date: 10/06/2008
Action: Staff Letter

Global Id: T0603784346
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603784346
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 03/20/2009
Action: Well Installation Report

WINALL OIL COMPANY #3 (Continued) **S109284130**

Global Id: T0603784346
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: Other
Date: 09/19/1997
Action: Leak Discovery

Global Id: T0603784346
Action Type: RESPONSE
Date: 07/23/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 10/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: RESPONSE
Date: 04/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603784346
Action Type: Other
Date: 01/09/1998
Action: Leak Reported

Global Id: T0603784346
Action Type: RESPONSE

WINALL OIL COMPANY #3 (Continued) **S109284130**

Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	06/29/2009
Action:	Pilot Study/ Treatability Report

F21 **HERAYER M SELVIAN** **CA FID UST** **S101585575**
ESE **3979 N MISSION RD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90031**
0.164 mi.
867 ft. **Site 1 of 7 in cluster F**

Relative:
Higher

Actual:
422 ft.

CA FID UST:

Facility ID:	19025593
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	3979 N MISSION RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

F22 **SELVIAN AUTOMOTIVE** **LUST** **S104581641**
ESE **3979 MISSION RD N** **N/A**
1/8-1/4 **LOS ANGELES, CA 90031**
0.164 mi.
867 ft. **Site 2 of 7 in cluster F**

Relative:
Higher

Actual:
422 ft.

LUST:

Region:	STATE
Global Id:	T0603793069
Latitude:	34.075732
Longitude:	-118.195584
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	09/26/2013
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310334
LOC Case Number:	7731
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline

SELVIAN AUTOMOTIVE (Continued) **S104581641**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603793069
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603793069
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

Status History:

Global Id:	T0603793069
Status:	Open - Case Begin Date
Status Date:	03/25/1999

Global Id:	T0603793069
Status:	Open - Remediation
Status Date:	09/26/2013

Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	01/27/2000

Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	07/29/2004

Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	11/16/2004

Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	12/23/2004

Regulatory Activities:

Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	03/30/2012
Action:	Staff Letter

Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2006

SELVIAN AUTOMOTIVE (Continued) **S104581641**

Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/29/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603793069
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603793069
Action Type: RESPONSE
Date: 05/04/2007
Action: Well Installation Report

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

SELVIAN AUTOMOTIVE (Continued) **S104581641**

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: ENFORCEMENT
Date: 09/26/2013
Action: Staff Letter

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 11/15/2013
Action: Other Report / Document

Global Id: T0603793069
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2012
Action: Soil and Water Investigation Workplan

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: Other
Date: 03/25/1999
Action: Leak Stopped

Global Id: T0603793069
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: ENFORCEMENT
Date: 10/03/2014
Action: Staff Letter

Global Id: T0603793069
Action Type: RESPONSE

SELVIAN AUTOMOTIVE (Continued) **S104581641**

Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603793069
Action Type: Other
Date: 01/27/2000
Action: Leak Reported

Global Id: T0603793069
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 01/15/2015
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0603793069
Action Type: RESPONSE
Date: 09/29/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603793069
Action Type: ENFORCEMENT
Date: 05/25/2004
Action: Staff Letter

Global Id: T0603793069
Action Type: ENFORCEMENT
Date: 07/28/2014
Action: Staff Letter

Global Id: T0603793069
Action Type: Other
Date: 03/25/1999
Action: Leak Discovery

Global Id: T0603793069
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603793069
Action Type: RESPONSE
Date: 12/23/2004
Action: Monitoring Report - Quarterly

SELVIAN AUTOMOTIVE (Continued) **S104581641**

Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Soil and Water Investigation Report

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310334
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	7731
Case Type:	Soil
Abatement Method Used at the Site:	OT
Global ID:	T0603793069
W Global ID:	Not reported
Staff:	JW
Local Agency:	19050
Cross Street:	N. BROADWAY
Enforcement Type:	SEL
Date Leak Discovered:	3/25/1999
Date Leak First Reported:	1/27/2000
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	3/25/1999
Date Case Last Changed on Database:	1/27/2000
Date the Case was Closed:	Not reported
How Leak Discovered:	Repair Tank
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Tank
Operator:	AIDA SELVIAN
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	12426.772068227040364410611683
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	1/27/2000
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	7/29/2004
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	AIDA SELVIAN
RP Address:	1886 VERDUGO LOMA DR., GLENDALE, CA 91208
Program:	LUST

SELVIAN AUTOMOTIVE (Continued) **S104581641**

Lat/Long:	34.075732 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

F23 **HERAYER M SELVIAN** **UST** **U003780482**
ESE **3979 N MISSION RD** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90031**
0.164 mi.
867 ft. **Site 3 of 7 in cluster F**

Relative:
Higher

Actual:
422 ft.

UST:

Facility ID:	24045
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.0748578
Longitude:	-118.1957143

SWEEPS UST:

Status:	Active
Comp Number:	4643
Number:	9
Board Of Equalization:	Not reported
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

G24 **BROADWAY VALERO** **UST** **U004263020**
WSW **3130 N BROADWAY** **N/A**
1/8-1/4 **LOS ANGELES, CA 90031**
0.177 mi.
934 ft. **Site 1 of 9 in cluster G**

Relative:
Lower

Actual:
355 ft.

UST:

Facility ID:	Not reported
Permitting Agency:	Los Angeles City Fire Department
Latitude:	34.0734
Longitude:	-118.20815

G25
WSW
1/8-1/4
0.177 mi.
934 ft.

BROADWAY SHELL SERVICE
3130 N BROADWAY
LOS ANGELES, CA 90031

Site 2 of 9 in cluster G

CA FID UST **S101583284**
N/A

Relative:
Lower

Actual:
355 ft.

CA FID UST:

Facility ID:	19003267
Regulated By:	UTNKA
Regulated ID:	00056085
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132210727
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

G26
WSW
1/8-1/4
0.177 mi.
934 ft.

FOUAD N DAGHER
3130 N BROADWAY
LOS ANGELES, CA 90031

Site 3 of 9 in cluster G

HIST UST **U001561277**
N/A

Relative:
Lower

Actual:
355 ft.

HIST UST:

File Number:	000285D3
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000285D3.pdf
Region:	STATE
Facility ID:	00000056085
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	2132210727
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well
Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR

FOUAD N DAGHER (Continued) **U001561277**

Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 003
Container Num: 3
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

G27 **SHELL SERVICE STATION** **RCRA-SQG** **1004676477**
WSW **3130 N BROADWAY / EASTLAKE** **CAR000085761**
1/8-1/4 **LOS ANGELES, CA 90031**
0.177 mi.
934 ft. **Site 4 of 9 in cluster G**

Relative:
Lower

Actual:
355 ft.

RCRA-SQG:
Date form received by agency: 02/26/2004
Facility name: SHELL SERVICE STATION
Facility address: 3130 N BROADWAY / EASTLAKE
SAP #135492
LOS ANGELES, CA 90031
EPA ID: CAR000085761
Mailing address: SHELL OIL PRODUCTS US
12700 NORTHBOROUGH DR MFT240G
HOUSTON, TX 770672508
Contact: BURKE D ALBEDA
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (310) 798-3944
Contact email: BDALBEDA
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: EQUILON ENTERPRISES
Owner/operator address: P O BOX 2099
HOUSTON, TX 77252

SHELL SERVICE STATION (Continued) **1004676477**

Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SHELL OIL PRODUCTS US
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/01/1998
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC DBA SHELL OIL PR
Owner/operator address: PO BOX 2648
HOUSTON, TX 77252
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/26/2004
Site name: SHELL SERVICE STATION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 11/01/2000

SHELL SERVICE STATION (Continued) **1004676477**

Site name: SHELL SERVICE STATION
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

G28
WSW
1/8-1/4
0.177 mi.
934 ft.

FOUA D N DAGHER **LUST** **S104159587**
3130 BROADWAY N **HIST CORTESE** **N/A**
MONTECITO HEIGHTS, CA 90031

Site 5 of 9 in cluster G

Relative:
Lower

Actual:
355 ft.

LUST:

Region:	STATE
Global Id:	T0603700808
Latitude:	34.0736467
Longitude:	-118.2087541
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	02/23/2016
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310270
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603700808
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700808
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

FOUA D N DAGHER (Continued) **S104159587**

Status History:

Global Id:	T0603700808
Status:	Open - Case Begin Date
Status Date:	09/21/1988
Global Id:	T0603700808
Status:	Open - Remediation
Status Date:	10/16/2008
Global Id:	T0603700808
Status:	Open - Remediation
Status Date:	02/23/2016
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	06/18/1989
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	05/16/2002
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	01/03/2003
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	05/16/2003
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	08/11/2004
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	07/11/2007

Regulatory Activities:

Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	06/17/2002
Action:	Staff Letter
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/09/2009
Action:	Well Installation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	08/16/2002

FOUA D N DAGHER (Continued) **S104159587**

Action: Preliminary Site Assessment Workplan

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: ENFORCEMENT
Date: 02/13/2003
Action: File review

Global Id: T0603700808
Action Type: Other
Date: 09/21/1988
Action: Leak Discovery

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/19/2012
Action: Pilot Study / Treatability Workplan

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2016
Action: Remedial Progress Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

FOUA D N DAGHER (Continued) **S104159587**

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/11/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603700808
Action Type: RESPONSE
Date: 09/17/2009
Action: Well Installation Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE

FOUA D N DAGHER (Continued) **S104159587**

Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 02/01/2012
Action: Soil and Water Investigation Workplan

Global Id: T0603700808
Action Type: RESPONSE
Date: 12/19/2011
Action: Well Installation Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: ENFORCEMENT
Date: 05/19/2011
Action: Staff Letter

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Quarterly

FOUA D N DAGHER (Continued) **S104159587**

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2017
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: ENFORCEMENT
Date: 02/23/2016
Action: Staff Letter

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: Other
Date: 06/19/1989
Action: Leak Reported

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603700808
Action Type: RESPONSE
Date: 08/20/2012
Action: Site Assessment Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE

FOUA D N DAGHER (Continued) **S104159587**

Date: 01/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: ENFORCEMENT
Date: 01/08/2016
Action: File review

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 12/23/2004
Action: Well Installation Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 06/14/2013
Action: Risk Assessment Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/18/2013
Action: CAP/RAP - Other Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 12/10/2012
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0603700808
Action Type: RESPONSE
Date: 12/09/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603700808
Action Type: ENFORCEMENT
Date: 03/11/2003
Action: Staff Letter

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

FOUA D N DAGHER (Continued) **S104159587**

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 11/22/2013
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 09/23/2002
Action: Other Report / Document

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603700808
Action Type: RESPONSE

FOUA D N DAGHER (Continued) **S104159587**

Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 04/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 05/22/2014
Action: Well Installation Report

Global Id: T0603700808
Action Type: RESPONSE
Date: 10/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603700808
Action Type: REMEDIATION
Date: 07/24/2006
Action: Free Product Removal

Global Id: T0603700808
Action Type: REMEDIATION
Date: 11/13/2007
Action: Soil Vapor Extraction (SVE)

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900310270
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700808
W Global ID: Not reported
Staff: MB
Local Agency: 19050
Cross Street: FASTLAKE
Enforcement Type: SEL
Date Leak Discovered: 9/21/1988

FOUA D N DAGHER (Continued) **S104159587**

Date Leak First Reported:		6/19/1989
Date Leak Record Entered:	12/10/1991	
Date Confirmation Began:	6/18/1989	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/10/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		12136.88080888591590178504241 5
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		5/16/2002
Preliminary Site Assessment Began:		1/3/2003
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		23000
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	FREDERICK E. PINEDA	
RP Address:	2255 N. ONTARIO ST.	
Program:	LUST	
Lat/Long:	34.0736467 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	LEAK DETECTOR INVESTIGATION REVEALED CONTAMINATION	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900310270

G29 WSW 1/8-1/4 0.177 mi. 934 ft. | **BROADWAY SHELL SERVICE**
3130 N BROADWAY
LOS ANGELES, CA 90031

Site 6 of 9 in cluster G

UST | **U003781429**
SWEEPS UST | **N/A**

Relative: Lower

Actual: 355 ft.

UST:

Facility ID:	25133
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.074752
Longitude:	-118.206803

SWEEPS UST:

Status:	Active
Comp Number:	3204
Number:	2
Board Of Equalization:	44-012859
Referral Date:	02-25-93
Action Date:	02-25-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003204-000001
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	3204
Number:	2
Board Of Equalization:	44-012859
Referral Date:	02-25-93
Action Date:	02-25-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003204-000002
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3204
Number:	2
Board Of Equalization:	44-012859
Referral Date:	02-25-93
Action Date:	02-25-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003204-000003
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88

BROADWAY SHELL SERVICE (Continued) **U003781429**

Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	3204
Number:	2
Board Of Equalization:	44-012859
Referral Date:	02-25-93
Action Date:	02-25-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003204-000004
Tank Status:	A
Capacity:	Not reported
Active Date:	04-20-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

F30 **LOS ANGELES CITY-MISSION & BRO** **WMUDS/SWAT** **S103441483**
East **NE OF MISSION RD & N BROADWAY** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.191 mi.
1006 ft. **Site 4 of 7 in cluster F**

Relative:
Higher

Actual:
421 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CITY OF LOS ANGELES
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported

LOS ANGELES CITY-MISSION & BRO (Continued) **S103441483**

Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY OF LOS ANGELES
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190234NUR
Solid Waste Information ID:	Not reported

F31 **MISSION BROADWAY APARTMENTS** **LUST** **S105024653**
East **4001 MISSION RD** **HIST CORTESE** **N/A**
1/8-1/4 **MONTECITO HEIGHTS, CA 90031**
0.192 mi.
1013 ft. **Site 5 of 7 in cluster F**

Relative:
Higher

Actual:
420 ft.

LUST:

Region:	STATE
Global Id:	T0603700786
Latitude:	34.0739336
Longitude:	-118.1965527
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/30/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310043
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603700786
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

MISSION BROADWAY APARTMENTS (Continued) **S105024653**

Global Id: T0603700786
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603700786
Status: Completed - Case Closed
Status Date: 07/30/1996

Global Id: T0603700786
Status: Open - Case Begin Date
Status Date: 05/06/1992

Global Id: T0603700786
Status: Open - Remediation
Status Date: 05/10/1995

Global Id: T0603700786
Status: Open - Site Assessment
Status Date: 03/04/1994

Regulatory Activities:
Global Id: T0603700786
Action Type: Other
Date: 05/06/1992
Action: Leak Reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900310043

F32 **MISSION BROADWAY APARTMENTS** **LUST** **S101297155**
East **4001 MISSION RD** **N/A**
1/8-1/4 **MONTECITO HEIGHTS, CA 90031**
0.192 mi.
1013 ft. **Site 6 of 7 in cluster F**

Relative:
Higher

Actual:
420 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900310043
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Treat

MISSION BROADWAY APARTMENTS (Continued) **S101297155**

Global ID:	T0603700786	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	BROADWAY	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		5/6/1992
Date Leak Record Entered:	5/11/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/29/1996
Date the Case was Closed:		7/30/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		13101.198423513591648940052838
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		3/4/1994
Remediation Plan Submitted:		5/10/1995
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MBA URBAN DEVELOPMENT CO	
RP Address:	1101 LUCAS AVE, SAINT LOUIS MO 63101-1179	
Program:	LUST	
Lat/Long:	34.0739336 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

F33 East 1/8-1/4 0.192 mi. 1013 ft. | **HENRY PONCE** | **SWEEPS UST** | **S101583365**
4001 N MISSION RD | **CA FID UST** | **N/A**
LOS ANGELES, CA 90032

Site 7 of 7 in cluster F

Relative: Higher

Actual: 420 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	5423
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19003535
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132269280
Mail To:	Not reported
Mailing Address:	4001 N MISSION RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900320000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

G34 West 1/8-1/4 0.205 mi. 1080 ft. | **93105** | **HIST UST** | **U001561264**
3105 N BROADWAY | **N/A**
LOS ANGELES, CA 90031

Site 7 of 9 in cluster G

Relative: Lower

Actual: 357 ft.

HIST UST:

File Number:	00026D15
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026D15.pdf
Region:	STATE
Facility ID:	00000062389
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DAGHER, GHASSAN N.
Telephone:	2132269118
Owner Name:	CHEVRON U.S.A. INC.

93105 (Continued) **U001561264**

Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1969
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1969
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1969
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1969
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

G35 **93105-CHEVRON STATION** **SWEEPS UST** **S101583643**
West **3105 N BROADWAY** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90031**
0.205 mi.
1080 ft. **Site 8 of 9 in cluster G**

Relative:
Lower

Actual:
357 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	3537
Number:	Not reported
Board Of Equalization:	44-013082
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003537-000001

93105-CHEVRON STATION (Continued) **S101583643**

Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 4

Status: Not reported
Comp Number: 3537
Number: Not reported
Board Of Equalization: 44-013082
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003537-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3537
Number: Not reported
Board Of Equalization: 44-013082
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003537-000003
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3537
Number: Not reported
Board Of Equalization: 44-013082
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003537-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN

93105-CHEVRON STATION (Continued) **S101583643**

Number Of Tanks: Not reported

CA FID UST:

Facility ID:	19005177
Regulated By:	UTNKI
Regulated ID:	00062389
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132269118
Mail To:	Not reported
Mailing Address:	575 MARKET ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

G36 **CHEVRON STATION 93105** **RCRA-SQG** **1000905194**
West **3105 N BROADWAY** **FINDS** **CA0000368894**
1/8-1/4 **LOS ANGELES, CA 90031** **ECHO**
0.205 mi.
1080 ft. **Site 9 of 9 in cluster G**

Relative:
Lower

Actual:
357 ft.

RCRA-SQG:

Date form received by agency:	06/06/1994
Facility name:	CHEVRON STATION 93105
Facility address:	3105 N BROADWAY LOS ANGELES, CA 90031
EPA ID:	CA0000368894
Mailing address:	P O BOX 2833 LA HABRA, CA 90632
Contact:	SUZANNE SISSUNG
Contact address:	P O BOX 2833 LA HABRA, CA 90632
Contact country:	US
Contact telephone:	(310) 694-7452
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON USA PRODUCTS INC
Owner/operator address:	P O BOX 2833 LA HABRA, CA 90632
Owner/operator country:	Not reported
Owner/operator telephone:	(310) 694-7452
Legal status:	Private
Owner/Operator Type:	Owner

CHEVRON STATION 93105 (Continued) **1000905194**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002617712

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000905194
Registry ID:	110002617712
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002617712

H37 **MACY'S WEST** **LUST** **S101297158**
SE **3880 MISSION RD N** **N/A**
1/8-1/4 **MONTECITO HEIGHTS, CA 90031**
0.214 mi.
1128 ft. **Site 1 of 4 in cluster H**

Relative:
Lower

Actual:
391 ft.

LUST:

Region:	STATE
Global Id:	T0603700784
Latitude:	34.0716567
Longitude:	-118.1979847
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/06/1997

MACY'S WEST (Continued) **S101297158**

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AS
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900310025
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603700784
Contact Type: Regional Board Caseworker
Contact Name: ADNAN SIDDIQUI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: asiddiqui@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700784
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:
Global Id: T0603700784
Status: Completed - Case Closed
Status Date: 08/06/1997

Global Id: T0603700784
Status: Open - Case Begin Date
Status Date: 01/13/1988

Global Id: T0603700784
Status: Open - Site Assessment
Status Date: 01/13/1988

Regulatory Activities:
Global Id: T0603700784
Action Type: Other
Date: 01/13/1988
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900310025

MACY'S WEST (Continued) **S101297158**

Status:	Case Closed
Substance:	Hydrocarbons
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603700784
W Global ID:	W0605100649
Staff:	AS
Local Agency:	19050
Cross Street:	HUNTINGTON
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	1/13/1988
Date Leak Record Entered:	3/23/1988
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	9/24/1997
Date the Case was Closed:	8/6/1997
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	BRYAN HALDY
Water System:	DAVE GRIFFITH L A D W P
Well Name:	Not reported
Approx. Dist To Production Well (ft):	13997.32460336047246948010776 5
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	1/13/1988
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	20
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	FEDERATED DEPARTMENT STORES,IN
RP Address:	170 O'FARRELL ST, P.O. BOX 7888, INTERNAL BOX 47,SF CA 94120
Program:	LUST
Lat/Long:	34.0716567 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600649-001GEN
Summary:	SAP PRESENTLY UNDER REVIEW 11/27/96 - SITE INVESTIGATION 02/14/97 - TRANSMITTAL HYDROGEOLOGIC INVESTIGATION WORKPLAN 06/03/97 - HYDROGEOLOGIC INVESTIGATION

H38 SE 1/8-1/4 0.214 mi. 1128 ft. — **FOREVER 21, INC.** — **UST** — **U003781720**
3880 N. MISSION ROAD — **SWEEPS UST** — **N/A**
LOS ANGELES, CA 90031

Site 2 of 4 in cluster H

Relative: Lower
Actual: 391 ft.

UST:

Facility ID:	FA0029311
Permitting Agency:	Los Angeles City Fire Department
Latitude:	34.07238
Longitude:	-118.19604
Facility ID:	25499
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.0728164
Longitude:	-118.1961832

SWEEPS UST:

Status:	Active
Comp Number:	5159
Number:	1
Board Of Equalization:	44-013211
Referral Date:	05-04-93
Action Date:	05-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-005159-000001
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	1

H39 SE 1/8-1/4 0.214 mi. 1128 ft. — **FDERATED LOGISTICS** — **CA FID UST** — **1000145728**
3880 N MISSION RD — **WDS** — **N/A**
LOS ANGELES, CA 90031

Site 3 of 4 in cluster H

Relative: Lower
Actual: 391 ft.

CA FID UST:

Facility ID:	19001563
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132272030
Mail To:	Not reported
Mailing Address:	3880 N MISSION RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

FDERATED LOGISTICS (Continued) **1000145728**

WDS:

Facility ID:	4 19I013497
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3232272927
Facility Contact:	Henry Godinez
Agency Name:	FEDERATED CORP SERVICES
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	4214
SIC Code 2:	Not reported
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

H40 SE 1/8-1/4 0.214 mi. 1128 ft. | **MACY'S WEST 3880 MISSION LOS ANGELES, CA 90031** | **HIST CORTESE** | **S105024652 N/A**

Site 4 of 4 in cluster H

Relative: Lower
Actual: 391 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900310025

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41 SSE 1/4-1/2 0.285 mi. 1506 ft. | **A C S MISSION PROPERTY 3801 MISSION RD. LOS ANGELES, CA 90031** | **LUST** | **S106448373 N/A**

Relative: Lower
Actual: 371 ft.

LUST:

Region:	STATE
Global Id:	T0603761102
Latitude:	34.069934
Longitude:	-118.199897
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/30/2009
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310361
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603761102
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603761102
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

Status History:

Global Id:	T0603761102
Status:	Completed - Case Closed

A C S MISSION PROPERTY (Continued) **S106448373**

Status Date: 03/30/2009

Global Id: T0603761102
Status: Open - Case Begin Date
Status Date: 12/20/1988

Global Id: T0603761102
Status: Open - Site Assessment
Status Date: 04/16/2004

Global Id: T0603761102
Status: Open - Site Assessment
Status Date: 03/28/2005

Regulatory Activities:
Global Id: T0603761102
Action Type: Other
Date: 12/20/1988
Action: Leak Discovery

Global Id: T0603761102
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603761102
Action Type: RESPONSE
Date: 08/26/2005
Action: Soil and Water Investigation Report

Global Id: T0603761102
Action Type: RESPONSE
Date: 01/15/2007
Action: Well Installation Report

Global Id: T0603761102
Action Type: ENFORCEMENT
Date: 03/30/2009
Action: Closure/No Further Action Letter

Global Id: T0603761102
Action Type: Other
Date: 12/20/1988
Action: Leak Stopped

Global Id: T0603761102
Action Type: ENFORCEMENT
Date: 01/20/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0603761102
Action Type: ENFORCEMENT
Date: 07/30/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603761102
Action Type: RESPONSE

A C S MISSION PROPERTY (Continued) **S106448373**

Date:	03/28/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T0603761102
Action Type:	Other
Date:	04/16/2004
Action:	Leak Reported
Global Id:	T0603761102
Action Type:	ENFORCEMENT
Date:	05/28/2004
Action:	Staff Letter
Global Id:	T0603761102
Action Type:	RESPONSE
Date:	07/16/2004
Action:	Other Report / Document

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310361
Status:	Leak being confirmed
Substance:	Hydrocarbons
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Undefined
Abatement Method Used at the Site:	Not reported
Global ID:	T0603761102
W Global ID:	Not reported
Staff:	JW
Local Agency:	19050
Cross Street:	PARKSIDE AVE.
Enforcement Type:	SEL
Date Leak Discovered:	12/20/1988
Date Leak First Reported:	4/16/2004
Date Leak Record Entered:	Not reported
Date Confirmation Began:	4/16/2004
Date Leak Stopped:	12/20/1988
Date Case Last Changed on Database:	Not reported
Date the Case was Closed:	Not reported
How Leak Discovered:	OM
How Leak Stopped:	Close Tank
Cause of Leak:	Not reported
Leak Source:	UNK
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	Not reported
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported

A C S MISSION PROPERTY (Continued) **S106448373**

Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	PETER COHEN
RP Address:	1875 CENTURY PARK EAST #700
Program:	LUST
Lat/Long:	0 / 0
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

42
South
1/4-1/2
0.351 mi.
1853 ft.

LINCOLN PARK **SLIC** **S104857337**
2037 LINCOLN PARK **N/A**
LOS ANGELES, CA 90031

Relative:
Lower

Actual:
355 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/07/2002
Global Id:	SL204EM2413
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.069176
Longitude:	-118.201578
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0996
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0996
Substance:	TPH
Staff:	JTL

43 WNW 1/4-1/2 0.370 mi. 1955 ft. | **BLUE LINE - AVE. 26 STATION**
380 AVENUE 26
LOS ANGELES, CA 90031 | **SLIC** | **S105520927**
N/A

Relative: Lower

Actual: 373 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/28/2002
Global Id:	SL0603746853
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.076558
Longitude:	-118.210984
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0904C
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Other Petroleum
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	9S
SLIC:	0904C
Substance:	TPH, metals
Staff:	JES

---

44 SSE 1/4-1/2 0.374 mi. 1977 ft. | **SELIG PLACE & MISSION ROAD DUM**
SELIG PLACE & MISSION ROAD
LOS ANGELES, CA | **WMUDS/SWAT** | **S103441444**
N/A

Relative: Lower

Actual: 358 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported

SELIG PLACE & MISSION ROAD DUM (Continued) **S103441444**

Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190190NUR
Solid Waste Information ID:	Not reported

I45 West 1/4-1/2 0.399 mi. 2107 ft. | **ARCO #1786** | **LUST** | **S102424184**
2829 BROADWAY | **N/A**
MONTECITO HEIGHTS, CA 90031

Site 1 of 3 in cluster I

Relative: Lower

Actual: 346 ft.

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310261
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	OT
Global ID:	T0603700807
W Global ID:	W0605100649
Staff:	UNK
Local Agency:	19050
Cross Street:	GRIFFIN
Enforcement Type:	Not reported
Date Leak Discovered:	3/21/1995
Date Leak First Reported:	3/21/1995

ARCO #1786 (Continued) **S102424184**

Date Leak Record Entered:	5/22/1995
Date Confirmation Began:	Not reported
Date Leak Stopped:	3/21/1995
Date Case Last Changed on Database:	5/22/1995
Date the Case was Closed:	3/21/1995
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	Spill
Leak Source:	Other Source
Operator:	OLD CASENO WAS 052295-12
Water System:	DAVE GRIFFITH L A D W P
Well Name:	Not reported
Approx. Dist To Production Well (ft):	10169.4616782158017921462625 2
Source of Cleanup Funding:	Other Source
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	1/29/2004
Hist Max MTBE Conc in Groundwater:	1300
Hist Max MTBE Conc in Soil:	20
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	=
Soil Qualifier:	=
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	ARCO PRODUCTS CO
RP Address:	PO BOX 6038 ARTESIA CA 90702
Program:	LUST
Lat/Long:	34.0737818 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600649-001GEN
Summary:	Not reported

I46 **ARCO #1786** **LUST** **S105024587**
West **2829 BROADWAY** **HIST CORTESE** **N/A**
1/4-1/2 **MONTECITO HEIGHTS, CA 90031**
0.399 mi.
2107 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
346 ft.

LUST:

Region:	STATE
Global Id:	T0603700807
Latitude:	34.0737818
Longitude:	-118.2127272
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/21/1995
Lead Agency:	LOS ANGELES, CITY OF
Case Worker:	WR
Local Agency:	LOS ANGELES, CITY OF

ARCO #1786 (Continued) **S105024587**

RB Case Number: 900310261
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603700807
Contact Type: Local Agency Caseworker
Contact Name: TBD
Organization Name: LOS ANGELES, CITY OF
Address: 200 N. MAIN ST. RM. 970
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826528

Global Id: T0603700807
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603700807
Status: Completed - Case Closed
Status Date: 03/21/1995

Global Id: T0603700807
Status: Open - Case Begin Date
Status Date: 03/21/1995

Regulatory Activities:
Global Id: T0603700807
Action Type: Other
Date: 03/21/1995
Action: Leak Discovery

Global Id: T0603700807
Action Type: Other
Date: 03/21/1995
Action: Leak Stopped

Global Id: T0603700807
Action Type: Other
Date: 03/21/1995
Action: Leak Reported

HIST CORTESE:
Region: CORTESE

ARCO #1786 (Continued) **S105024587**

Facility County Code: 19
Reg By: LTNKA
Reg Id: 900310261

I47 West 1/4-1/2 0.399 mi. 2107 ft. **ARCO #1786** **LUST** **S106116225**
2829 BROADWAY N. **N/A**
LOS ANGELES, CA 90031

Site 3 of 3 in cluster I

Relative: Lower

Actual: 346 ft.

LUST:

Region:	STATE
Global Id:	T0603727357
Latitude:	34.073978
Longitude:	-118.212092
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/10/2009
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310261A
LOC Case Number:	31998-9201
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603727357
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Global Id:	T0603727357
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

Status History:

Global Id:	T0603727357
Status:	Completed - Case Closed
Status Date:	06/10/2009

Global Id:	T0603727357
Status:	Open - Case Begin Date
Status Date:	08/29/2000

ARCO #1786 (Continued) **S106116225**

Global Id: T0603727357
Status: Open - Site Assessment
Status Date: 07/02/2003

Global Id: T0603727357
Status: Open - Site Assessment
Status Date: 12/16/2003

Regulatory Activities:

Global Id: T0603727357
Action Type: ENFORCEMENT
Date: 06/10/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0603727357
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 02/20/2004
Action: Other Report / Document

Global Id: T0603727357
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: ENFORCEMENT
Date: 11/05/2007

ARCO #1786 (Continued) **S106116225**

Action: Site Visit / Inspection / Sampling

Global Id: T0603727357
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: Other
Date: 08/29/2000
Action: Leak Stopped

Global Id: T0603727357
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: ENFORCEMENT
Date: 01/12/2004
Action: Staff Letter

ARCO #1786 (Continued) **S106116225**

Global Id: T0603727357
Action Type: ENFORCEMENT
Date: 06/10/2009
Action: Closure/No Further Action Letter

Global Id: T0603727357
Action Type: Other
Date: 01/09/2001
Action: Leak Reported

Global Id: T0603727357
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: Other
Date: 08/29/2000
Action: Leak Discovery

Global Id: T0603727357
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603727357
Action Type: REMEDIATION
Date: 01/07/2007
Action: Excavation

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900310261A
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: 31998-9201
Case Type: Undefined
Abatement Method Used at the Site: Not reported

ARCO #1786 (Continued) **S106116225**

Global ID:	T0603727357	
W Global ID:	Not reported	
Staff:	MB	
Local Agency:	19050	
Cross Street:	GRIFFIN	
Enforcement Type:	SEL	
Date Leak Discovered:	8/29/2000	
Date Leak First Reported:		1/9/2001
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	12/16/2003	
Date Leak Stopped:	8/29/2000	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	NPP	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MR. ROY THUN	
RP Address:	4 CENTERPOINTE DR., LPR 4-460	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

48 SSE 1/4-1/2 0.410 mi. 2165 ft. | **ROOSEVELT HIGH SCHOOL ADDITION (SATELLITE SLC)**
3921 SELIG PLACE
LOS ANGELES, CA 90031

ENVIROSTOR SCH | **S108212652 N/A**

Relative: Lower

Actual: 359 ft.

ENVIROSTOR:

Facility ID:	60001144
Status:	No Further Action
Status Date:	09/08/2009
Site Code:	304468
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	6.2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Ivy Osornio
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.0663
Longitude:	-118.2009
APN:	5211-020-901, 5211-020-902, 5211-020-903, 5211-020-904, 5211-020-905, 5211-021-901
Past Use:	RECREATION SERVICES, SCHOOL - HIGH SCHOOL
Potential COC:	Under Investigation
Confirmed COC:	NONE SPECIFIED
Potential Description:	UE
Alias Name:	5211-020-901
Alias Type:	APN
Alias Name:	5211-020-902
Alias Type:	APN
Alias Name:	5211-020-903
Alias Type:	APN
Alias Name:	5211-020-904
Alias Type:	APN
Alias Name:	5211-020-905
Alias Type:	APN
Alias Name:	5211-021-901
Alias Type:	APN
Alias Name:	304468
Alias Type:	Project Code (Site Code)
Alias Name:	60001144
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	07/29/2009
Comments:	A Phase I was submitted for background information
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

ROOSEVELT HIGH SCHOOL ADDITION (SATELLITE SLC) (Continued) **S108212652**

Completed Document Type:	Preliminary Endangerment Assessment Tech Memo
Completed Date:	07/31/2009
Comments:	DTSC comments were discussed during the site walk

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/08/2009
Comments:	DTSC approved the PEA with a No Further Action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/08/2009
Comments:	DTSC prepared a project Cost Recovery Unit close out memorandum

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	08/18/2009
Comments:	Rec'd signed agreement from district

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Facility ID:	60001144
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	6.2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Ivy Osornio
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304468
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	09/08/2009
Restricted Use:	NO
Funding:	School District
Latitude:	34.0663
Longitude:	-118.2009
APN:	5211-020-901, 5211-020-902, 5211-020-903, 5211-020-904, 5211-020-905,

ROOSEVELT HIGH SCHOOL ADDITION (SATELLITE SLC) (Continued) **S108212652**

	5211-021-901
Past Use:	RECREATION SERVICES, SCHOOL - HIGH SCHOOL
Potential COC:	Under Investigation
Confirmed COC:	NONE SPECIFIED
Potential Description:	UE
Alias Name:	5211-020-901
Alias Type:	APN
Alias Name:	5211-020-902
Alias Type:	APN
Alias Name:	5211-020-903
Alias Type:	APN
Alias Name:	5211-020-904
Alias Type:	APN
Alias Name:	5211-020-905
Alias Type:	APN
Alias Name:	5211-021-901
Alias Type:	APN
Alias Name:	304468
Alias Type:	Project Code (Site Code)
Alias Name:	60001144
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	07/29/2009
Comments:	A Phase I was submitted for background information
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Tech Memo
Completed Date:	07/31/2009
Comments:	DTSC comments were discussed during the site walk
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/08/2009
Comments:	DTSC approved the PEA with a No Further Action determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/08/2009
Comments:	DTSC prepared a project Cost Recovery Unit close out memorandum
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	08/18/2009
Comments:	Rec'd signed agreement from district
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

ROOSEVELT HIGH SCHOOL ADDITION (SATELLITE SLC) (Continued) **S108212652**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

49
SE
1/4-1/2
0.437 mi.
2309 ft.

LAUSD **LUST** **S111121260**
2151 SOTO ST N **N/A**
LOS ANGELES, CA 90032

Relative:
Lower

Actual:
395 ft.

LUST:

Region:	STATE
Global Id:	T0603737823
Latitude:	34.069125
Longitude:	-118.195859
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/02/2013
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900320198
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603737823
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603737823
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Status History:

Global Id:	T0603737823
Status:	Completed - Case Closed
Status Date:	12/02/2013

Global Id:	T0603737823
Status:	Open - Case Begin Date
Status Date:	02/07/1989

LAUSD (Continued) **S111121260**

Global Id: T0603737823
Status: Open - Eligible for Closure
Status Date: 08/21/2013

Global Id: T0603737823
Status: Open - Site Assessment
Status Date: 11/20/1989

Global Id: T0603737823
Status: Open - Verification Monitoring
Status Date: 10/31/1990

Regulatory Activities:
Global Id: T0603737823
Action Type: ENFORCEMENT
Date: 08/29/2011
Action: Staff Letter

Global Id: T0603737823
Action Type: Other
Date: 02/07/1989
Action: Leak Discovery

Global Id: T0603737823
Action Type: ENFORCEMENT
Date: 07/12/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0603737823
Action Type: ENFORCEMENT
Date: 12/02/2013
Action: Closure/No Further Action Letter

Global Id: T0603737823
Action Type: ENFORCEMENT
Date: 07/12/2011
Action: Referral to Regional Board

Global Id: T0603737823
Action Type: ENFORCEMENT
Date: 09/30/2013
Action: Notification - Preclosure

Global Id: T0603737823
Action Type: Other
Date: 11/20/1989
Action: Leak Reported

50 WNW 1/4-1/2 0.480 mi. 2536 ft. | **JAYBEE MANUFACTURING CORP.**
301 AVENUE 26 E
LOS ANGELES, CA 90031 | **LUST SLIC** | **S102431879 N/A**

Relative: Lower

Actual: 367 ft.

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310152
Status:	Case Closed
Substance:	Solvents
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603700796
W Global ID:	Not reported
Staff:	SLC
Local Agency:	19050
Cross Street:	Not reported
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	2/12/1990
Date Leak Record Entered:	2/12/1991
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	6/17/1997
Date the Case was Closed:	6/17/1997
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	BORENSTIEN, HENRY
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	10464.2858370460824160199929 48
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	2/12/1990
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	LAWRY'S FOODS, INC.
RP Address:	222 E. HUNTINGTON DR., #100, MONROVIA, CA 91016-3500
Program:	SLIC
Lat/Long:	34.0766656 / -1
Local Agency Staff:	PEJ

JAYBEE MANUFACTURING CORP. (Continued) **S102431879**

Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #021491-01 SOLVENT CASE TLE/PCE SITE IS COMBINED WITH SLIC #455 (LAWRY'S CALIFORNIA CENTER 570 W. AVENUE 26, LOS ANGELES

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/17/1997
Global Id: T0603700796
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.076558
Longitude: -118.2131236
Case Type: Cleanup Program Site
Case Worker: SLC
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900310152
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Solvents
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

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51 **SOTO STREET FACILITY** **LUST** **S101297259**
SE **2100 SOTO ST N** **HIST CORTESE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90032**
0.493 mi.
2601 ft.

Relative:
Lower

Actual:
399 ft.

LUST:
Region: STATE
Global Id: T0603700825
Latitude: 34.0676479
Longitude: -118.1955726
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/07/2011
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900320125
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603700825

SOTO STREET FACILITY (Continued) **S101297259**

Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700825
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Status History:

Global Id:	T0603700825
Status:	Completed - Case Closed
Status Date:	11/07/2011

Global Id:	T0603700825
Status:	Open - Case Begin Date
Status Date:	07/10/1989

Global Id:	T0603700825
Status:	Open - Remediation
Status Date:	05/31/1991

Global Id:	T0603700825
Status:	Open - Site Assessment
Status Date:	07/18/1989

Global Id:	T0603700825
Status:	Open - Site Assessment
Status Date:	01/07/1991

Regulatory Activities:

Global Id:	T0603700825
Action Type:	Other
Date:	07/10/1989
Action:	Leak Discovery

Global Id:	T0603700825
Action Type:	ENFORCEMENT
Date:	07/06/2011
Action:	Referral to Regional Board

Global Id:	T0603700825
Action Type:	ENFORCEMENT
Date:	08/29/2011
Action:	Staff Letter

Global Id:	T0603700825
Action Type:	ENFORCEMENT

SOTO STREET FACILITY (Continued) **S101297259**

Date:	11/07/2011
Action:	Closure/No Further Action Letter
Global Id:	T0603700825
Action Type:	Other
Date:	07/18/1989
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900320125
Status:	Leak being confirmed
Substance:	Diesel
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603700825
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19050
Cross Street:	MULTNOMAH
Enforcement Type:	Not reported
Date Leak Discovered:	7/10/1989
Date Leak First Reported:	7/18/1989
Date Leak Record Entered:	12/11/1991
Date Confirmation Began:	7/18/1989
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	12/13/1991
Date the Case was Closed:	Not reported
How Leak Discovered:	Tank Test
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Tank
Operator:	METROPOLITAN WATER DISTRICT
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	13041.6034046240585491835850 98
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported

SOTO STREET FACILITY (Continued) **S101297259**

Responsible Party: METROPOLITAN WATER DISTRICT
RP Address: P.O. BOX 54153, LOS ANGELES, 90054
Program: LUST
Lat/Long: 34.0676479 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900320125

52
South
1/2-1
0.647 mi.
3418 ft.

CELOTEX CORP **ENVIROSTOR** **S101480685**
1633 SAN PABLO **N/A**
LOS ANGELES, CA 90033

Relative:
Lower

Actual:
342 ft.

ENVIROSTOR:
Facility ID: 19290035
Status: No Further Action
Status Date: 04/12/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 1
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06466
Longitude: -118.2030
APN: 5201004003
Past Use: MANUFACTURING - OTHER
Potential COC: * Asbestos and Naturally Occurring Asbestos (NOA
Confirmed COC: 30002-NO
Potential Description: SOIL, SV, IA
Alias Name: C F CONSOLIDATE TRUCKING
Alias Type: Alternate Name
Alias Name: 5201004003
Alias Type: APN
Alias Name: CAD076199793
Alias Type: EPA Identification Number

CELOTEX CORP (Continued) **S101480685**

Alias Name: 19290035
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/23/1981
Comments: Facility identified: LA Chamber of Commerce Dir 1956. 1980 OSHA Air Sampling: Company in compliance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/12/1995
Comments: NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/30/1994
Comments: 1984. Asbestos were removed. Some chemicals were dumped in this vacan lot. Property sold to C.F. Consolidate Trucking in 1985. Company personnel stated that all identified problems had been fixed. No other problems observed during site visit. The Department staff conducted a site visit. The site is a fenced vacant lot, backfilled with new soil on tops, located at the SW corner of San Pablo and Valley. Active rail tracks lie along the north end. A city park is across the Valley. Approximately 20 55 gallon drums scattered in this 1/2 acre lot. Celotex bought the 1633 lot in 1943, run a paper mill at 1633 lot and a roofing manufacturing operation at 1632 lot since then. The 1633 lot was shut down in 1983 and sold to an investment group. Waste Discharge Requirements were issued by the RWQCB in 1970s. EPA ID issued (still valid for 1632 lot). Buildings at 1633 lot were torn down in

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/17/1984
Comments: Preliminary Assessment: Roofing manufacturing. Operations from 1960 to present. Waste Pile - more than 7.8 cubic feet in size. Scrap asbestos returned to NJ. RWQCB monitors cleaned-up oil spills. Recommend inspection with sampling for asbestos, fibers. Drainage ditch on Lambie Street and storm drain on San Pablo. September 16, 1980 Fire (Letter in RWQCB): Waste Discharge Requirement issued in 1974 & 1977. Preliminary Assessment submitted to EPA (RCRA 3012).

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

53 SW 1/2-1 0.728 mi. 3845 ft.

Relative: Lower

Actual: 325 ft.

BUILDERS HARDWARE FINISHING INC
1846 SICHEL ST
LOS ANGELES, CA 90031

SEMS-ARCHIVE
RCRA-SQG
LIENS 2
PRP
ICIS
CONSENT
FINDS
ECHO

1000278696
CAD020155461

SEMS-ARCHIVE:

Site ID:	900183
EPA ID:	CAD020155461
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0900183
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13290309.00000
Person ID:	13003854.00000
Contact Sequence ID:	13295904.00000
Person ID:	13003858.00000
Contact Sequence ID:	13301762.00000
Person ID:	13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name:	BHFI
Alias Address:	Not reported
	CA

CERCLIS-NFRAP Assessment History:

Action:	JUDICIAL/CIVIL JUDGMENT
Date Started:	/ /
Date Completed:	01/02/92
Priority Level:	Not reported
Action:	REMOVAL
Date Started:	05/23/88
Date Completed:	07/18/88
Priority Level:	Cleaned up
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	01/23/96
Priority Level:	Not reported
Action:	ADMINISTRATIVE RECORDS
Date Started:	04/24/89
Date Completed:	04/24/89
Priority Level:	Admin Record Compiled for a Removal Event

BUILDERS HARDWARE FINISHING INC (Continued) **1000278696**

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 01/26/90
Priority Level: Not reported

Action: CONSENT DECREE
Date Started: 05/14/90
Date Completed: 10/31/90
Priority Level: Not reported

Action: SECTION 107 LITIGATION
Date Started: 09/29/89
Date Completed: 10/31/90
Priority Level: Not reported

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: BUILDERS HARDWARE FINISHERS
Facility address: 1846 SICHEL ST
LOS ANGELES, CA 90031
EPA ID: CAD020155461
Mailing address: SICHEL ST
LOS ANGELES, CA 90031
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JOE DURAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

BUILDERS HARDWARE FINISHING INC (Continued) **1000278696**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LIENS 2:

Facility name:	BUILDERS HARDWARE FINISHING INC
Facility address:	1846 SICHEL ST LOS ANGELES, CA 90031
EPA ID:	CAD020155461
Effective date:	Not reported
Lien:	LP001
Party name:	Not reported
Reg:	09
Release date:	Not reported
Start date:	07/05/1988
Complete date:	Not reported

PRP:

PRP name:	HERMAN, BRADLEY LEE AS CO-TRUSTEE HERMAN, HOWARD LANDO AS CO-TRUSTEE

ICIS:

Enforcement Action ID:	09-1990-0017
FRS ID:	110002638682
Action Name:	DURAN, JOSEPH
Facility Name:	BUILDERS HARDWARE FINISHERS
Facility Address:	1846 SICHEL ST LOS ANGELES, CA 90031
Enforcement Action Type:	Civil Judicial Action
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.064934
Longitude in Decimal Degrees:	-118.212845
Permit Type Desc:	Not reported
Program System Acronym:	9215

BUILDERS HARDWARE FINISHING INC (Continued) **1000278696**

Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1989-0025
FRS ID: 110002638682
Action Name: BUILDER'S HARDWARE FINISHERS, INC.
Facility Name: BUILDERS HARDWARE FINISHERS
Facility Address: 1846 SICHEL ST
LOS ANGELES, CA 90031
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.064934
Longitude in Decimal Degrees: -118.212845
Permit Type Desc: Not reported
Program System Acronym: 9215
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: BUILDERS HARDWARE FINISHERS
Address: 1846 SICHEL ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BUILDERS HARDWARE FINISHERS
Address: 1846 SICHEL ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BUILDERS HARDWARE FINISHERS
Address: 1846 SICHEL ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BUILDERS HARDWARE FINISHERS
Address: 1846 SICHEL ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

CONSENT:
EPA ID: CAD020155461
Site ID: Not reported
Case Title: U.S. V BUILDER'S HARDWARE FINISHERS, INC.
Court Num: 90-5428

BUILDERS HARDWARE FINISHING INC (Continued) **1000278696**

District: California, Cent
Entered Date: 19901031
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

FINDS:

Registry ID: 110002638682

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000278696
Registry ID: 110002638682
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002638682

54
NW
1/2-1
0.821 mi.
4335 ft.

Relative:
Lower

Actual:
359 ft.

KENNINGTON LTD. (ITT CANNON) **SEMS** **1000855945**
3209 HUMBOLDT ST. **ENVIROSTOR** **CA0000113175**
LOS ANGELES, CA 90031 **VCP**
SWEEPS UST
CA FID UST
DEED
HIST CORTESE

SEMS:
Site ID: 904968
EPA ID: CA0000113175
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0904968
EPA ID:	CA0000113175
Facility County:	LOS ANGELES
Short Name:	KENNINGTON LTD. (ITT CAN
Congressional District:	24
IFMS ID:	Not reported
SMSA Number:	4480
USGC Hydro Unit:	18070105
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Other Cleanup Activity: State-Lead Cleanup
Non NPL Status Date:	07/23/06
Site Fips Code:	06037
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	13003854.00000
Contact Name:	Leslie Ramirez
Contact Tel:	(415) 972-3978
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003858.00000
Contact Name:	Sharon Murray
Contact Tel:	(415) 972-4250
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13004003.00000
Contact Name:	Carl Brickner
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	KENNINGTON LTD.
Alias Address:	3209 HUMBOLDT ST.

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

LOS ANGELES, CA 90031
Alias Comments: Not reported
Site Description: 5/06: CA DTSC VCA Site per SSA

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 02/14/94
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: 08/15/00
Date Completed: 08/03/01
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE REASSESSMENT
Date Started: / /
Date Completed: 05/23/06
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

ENVIROSTOR:
Facility ID: 19340739
Status: Active
Status Date: 07/03/2013
Site Code: 300654
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3.75
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Lori Parnass
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 51

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: REM, DAY, ELD, HOS, LUC, FEN, MON, EX, GW, NUSE, NDEV
Funding: Responsible Party
Latitude: 34.08275
Longitude: -118.2163
APN: 5205-006-053, 5205006053
Past Use: BATTERY MANUFACTURING, MANUFACTURING - ELECTRONIC
Potential COC: Lead Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE Trichloroethylene (TCE Lead
Potential Description: OTH, SOIL
Alias Name: ITT CANNON
Alias Type: Alternate Name
Alias Name: 5205-006-053
Alias Type: APN
Alias Name: 5205006053
Alias Type: APN
Alias Name: CA0000113175
Alias Type: CERCLIS ID
Alias Name: 110009266089
Alias Type: EPA (FRS #)
Alias Name: SLT43246244
Alias Type: GeoTracker Global ID
Alias Name: 300260
Alias Type: Project Code (Site Code)
Alias Name: 300654
Alias Type: Project Code (Site Code)
Alias Name: 19340739
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/23/2005
Comments: The soil remedial action involved the excavation to 46 feet below ground surface, and offiste disposal of approximately 18,000 cubic yards of soil impacted with PCB's, PCE, TCE and lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/08/2003
Comments: The Remedial Action Plan (RAP) includes the excavation and disposal of about 5,000 cubic yards of soil contaminated with polychlorinated biphnels (PCBs), volatile organic compounds (TCE and PCE), lead, and groundwater remediation. Based on the analyses and conclusion found in the Special Initial Study, DTSC finds that the project may result in a potentially significant impact on the archaological resources,

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

thus a Mitigated Negative Declaration was prepared for the project. An archaeologist will monitor the excavation on Site as a mitigation measure to reduce any potential impacts to less than significant levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/31/2003
Comments: Remedial Investigation/Feasibility Study completed right on time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/20/2001
Comments: A Preliminary Assessment Report was submitted to U.S. EPA Region IX for review and approval. Sampling is recommended by U.S. EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/04/1993
Comments: DTSC COMPLETES REVIEW OF SITE CHARACTERIZATION REPORT AND SUBMITS COMMENTS AND RECOMMENDATIONS TO THE RPS. THEY ARE AS FOLLOWS:1)DTSC CONCURS THAT BASED ON THE BUILDINGS ENGINEERING CERTIFICATE OF THE CONCRETE FLOOR AND THE PRESENT USE OF THE SITE, AS LONG AS THE FLOORING STAYS INTACT THERE SHOULD BE NO SIGNIFICANT HEALTH RISKS TO BLDG. PERSONNEL. IF THE INTEGRITY OF THE CONCRETE FLOORING BECOMES DAMMAGED, SO AS TO EXPOSE BLDG. PERSONNEL TO THE CONTAMINATED SOILS IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE PROBLEM. IF MAINTENANCE IS NEEDED BELOW THE CONCRETE FLOOR (E.G. REPAIR OF UTILITY LINES), PERSONNEL CONDUCTING THE WORK SHALL BE NOTIFIED OF THE HAZARDS AND APPROPRIATE PROTECTIVE CLOTHING SHALL BE WORN. IN THE EVENT THAT KENNINGTON, LTD, INC. PROPOSES TO CHANGE OWNERSHIP OR USE OF THE SITE, DTSC BELIEVES THAT FURTHER RESPONSE ACTION IS REQUIRED. DTSC RECOMMENDS THE FURTHER ACTION BE IN THE FORM OF A) REMEDIATION OF THE CONTAMI- NATED AREA(S), OR B) IMPLEMENTATION OF LAND USE RESTRIC- TIONS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/19/1990
Comments: ON CORTESE LIST PRELIM ASSESS DONE PEA COMPLETED AND FURTHER INVESTIGATION IS NECESSARY. PCBS FOUND AS HIGH AS 24,076 PPM AND TPH & TRPH AS HIGH AS 73,050 PPM. SITE IS A LARGE WAREHOUSE- TYPE BUILDING WITH CEMENT FLOORING & AN ADJOINING PARKING LOT WHICH IS ALSO PAVED. WORKPLAN FOR SITE CHARACTERIZA- TION APPROVED WITH APPROX 20 SOIL BOR- INGS PROPOSED; 5 OF WHICH WILL BE CON- VERTED INTO GROUNDWATER MONITORING WELLS

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/14/1990
Comments: SITE SCREENING DONE PRELIMINARY ENDANGERMENT ASSESSMENT(PEA) REQUIRED. SITE WAS USED BY VARIOUS FOR- MER COMPANIES FROM ELECTRONIC COMPONENT ASSEMBLY TO ANT POISON MANUFACTURING.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 03/10/2005
Comments: An operation maintenance agreement is executed for the implementation of a plan to identify soil and groundwater activities that need to be followed and maintained in order to protect human health and the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/16/2006
Comments: DTSC concurs with the findings of the First Quarter 2006 Progress Report dated July 9, 2006, and that the groundwater monitoring program should continue as outlined in the approved workplan dated January 5, 2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/02/2006
Comments: DTSC concurs with the findings of the Report, and that the groundwater monitoring program should continue as outlined in the approved workplan dated January 5, 2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 12/27/2006
Comments: DTSCE determines that the Third Quarter 2006 Progress Report dated 11/15/2006 does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 10/13/2010
Comments: The Workplan dated 9/302010 reviewd by DTSC does not require revision. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/24/2011
Comments: DTSC determines, the Work Plan to Implement Supplemental IRZ Injection Tracer Testing and Performance Monitoring, dated March 10, 2011 does not require revision.

Completed Area Name: PROJECT WIDE

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/29/2011
Comments: Original document requires no revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2012
Comments: DTSC determines no revision on the report, dated February 10, 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2012
Comments: Document was submitted to LARWQCB.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 05/22/2012
Comments: RP was informed, DTSC determines the above subject document does not require revisions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2012
Comments: Report dated 7/30/2012 does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2013
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2013
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2013
Comments: appropriate reporting

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Date: 10/02/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2014
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 05/14/2016
Comments: accepted as ongoing

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 03/30/2016
Comments: concurrence

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 03/11/2016
Comments: concurrence

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 07/09/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/29/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/16/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 07/30/2015
Comments: Not reported

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 10/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/11/2001
Comments: DTSC signed the Voluntary Cleanup Agreement (VCA). VCA was signed on 4/11/01. Purpose of VCA is for ITT Cannon to complete the Site Investigation, and prepare and implement a Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/18/1996
Comments: AN AMENDED VOLUNTARY CLEANUP AGREEMENT WAS SIGNED BY THE PROJECT PROPONENTS AND THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL FOR A REMEDIAL INVESTIGATION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/04/1993
Comments: A VOLUNTARY CLEAN-UP AGREEMENT WAS SIGNED BY THE RPS AND DTSC. PER THE AGREEMENT THE RPS WOULD PAY IN ADVANCE TO HAVE DTSC REVIEW AND COMMENT ON THE RPS SITE CHARACTERIZA- TION REPORT. WALK-IN PROGRAM PROJECT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/27/2013
Comments: Soil cleaned up to 11 mg/kg in shallow soil for Aroclor 1248; 0.06 mg/kg for PCE; 750 mg/kg for lead and 50 mg/kg for Aroclor 1248 for deep soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/22/2005
Comments: An operation maintenance agreement is executed for the implementation of a plan to identify soil and groundwater activities that need to be followed and maintained in order to protect human health and the environment.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

VCP:

Facility ID:	19340739
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	REM, DAY, ELD, HOS, LUC, FEN, MON, EX, GW, NUSE, NDEV
Acres:	3.75
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Lori Parnass
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	300654
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	07/03/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.08275 / -118.2163
APN:	5205-006-053, 5205006053
Past Use:	BATTERY MANUFACTURING, MANUFACTURING - ELECTRONIC
Potential COC:	30013, 30018, 30022, 30027
Confirmed COC:	30018,30022,30027,30013
Potential Description:	OTH, SOIL
Alias Name:	ITT CANNON
Alias Type:	Alternate Name
Alias Name:	5205-006-053
Alias Type:	APN
Alias Name:	5205006053
Alias Type:	APN
Alias Name:	CA0000113175
Alias Type:	CERCLIS ID
Alias Name:	110009266089
Alias Type:	EPA (FRS #)
Alias Name:	SLT43246244
Alias Type:	GeoTracker Global ID
Alias Name:	300260
Alias Type:	Project Code (Site Code)
Alias Name:	300654
Alias Type:	Project Code (Site Code)
Alias Name:	19340739
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	03/23/2005
Comments:	The soil remedial action involved the excavation to 46 feet below ground surface, and offiste disposal of approximately 18,000 cubic yards of soil impacted with PCB's, PCE, TCE and lead.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Document Type: Design/Implementation Workplan
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/08/2003
Comments: The Remedial Action Plan (RAP) includes the excavation and disposal of about 5,000 cubic yards of soil contaminated with polychlorinated biphnels (PCBs), volatile organic compounds (TCE and PCE), lead, and groundwater remediation. Based on the analyses and conclusion found in the Special Initial Study, DTSC finds that the project may result in a potentially significant impact on the archaological resources, thus a Mitigated Negative Declaration was prepared for the project. An archaeologist will monitor the excavation on Site as a mitigation measure to reduce any potential impacts to less than significant levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/31/2003
Comments: Remedial Investigation/Feasibility Study completed right on time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/20/2001
Comments: A Preliminary Assessment Report was submitted to U.S. EPA Region IX for review and approval. Sampling is recommended by U.S. EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/04/1993
Comments: DTSC COMPLETES REVIEW OF SITE CHARACTERIZATION REPORT AND SUBMITS COMMENTS AND RECOMMENDATIONS TO THE RPS. THEY ARE AS FOLLOWS:1)DTSC CONCURS THAT BASED ON THE BUILDINGS ENGINEERING CERTIFICATE OF THE CONCRETE FLOOR AND THE PRESENT USE OF THE SITE, AS LONG AS THE FLOORING STAYS INTACT THERE SHOULD BE NO SIGNIFICANT HEALTH RISKS TO BLDG. PERSONNEL. IF THE INTEGRITY OF THE CONCRETE FLOORING BECOMES DAMMAGED, SO AS TO EXPOSE BLDG. PERSONNEL TO THE CONTAMINATED SOILS IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE PROBLEM. IF MAINTENANCE IS NEEDED BELOW THE CONCRETE FLOOR (E.G. REPAIR OF UTILITY LINES), PERSONNEL CONDUCTING THE WORK SHALL BE NOTIFIED OF THE HAZARDS AND APPROPRIATE PROTECTIVE CLOTHING SHALL BE WORN. IN THE EVENT THAT KENNINGTON, LTD, INC. PROPOSES TO CHANGE OWNERSHIP OR USE OF THE SITE, DTSC BELIEVES THAT FURTHER RESPONSE ACTION IS REQUIRED. DTSC RECOMMENDS THE FURTHER ACTION BE IN THE FORM OF A) REMEDIATION OF THE CONTAMI- NATED AREA(S), OR B) IMPLEMENTATION OF LAND USE

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

RESTRIC- TIONS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/19/1990
Comments: ON CORTESE LIST PRELIM ASSESS DONE PEA COMPLETED AND FURTHER INVESTIGATION IS NECESSARY. PCBS FOUND AS HIGH AS 24,076 PPM AND TPH & TRPH AS HIGH AS 73,050 PPM. SITE IS A LARGE WAREHOUSE- TYPE BUILDING WITH CEMENT FLOORING & AN ADJOINING PARKING LOT WHICH IS ALSO PAVED. WORKPLAN FOR SITE CHARACTERIZA- TION APPROVED WITH APPROX 20 SOIL BOR- INGS PROPOSED; 5 OF WHICH WILL BE CON- VERTED INTO GROUNDWATER MONITORING WELLS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/14/1990
Comments: SITE SCREENING DONE PRELIMINARY ENDANGERMENT ASSESSMENT(PEA) REQUIRED. SITE WAS USED BY VARIOUS FOR- MER COMPANIES FROM ELECTRONIC COMPONENT ASSEMBLY TO ANT POISON MANUFACTURING.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 03/10/2005
Comments: An operation maintenance agreement is executed for the implementation of a plan to identify soil and groundwater activities that need to be followed and maintained in order to protect human health and the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/16/2006
Comments: DTSC concurs with the findings of the First Quarter 2006 Progress Report dated July 9, 2006, and that the groundwater monitoring program should continue as outlined in the approved workplan dated January 5, 2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/02/2006
Comments: DTSC concurs with the findings of the Report, and that the groundwater monitoring program should continue as outlined in the approved workplan dated January 5, 2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 12/27/2006
Comments: DTSCE determines that the Third Quarter 2006 Progress Report dated 11/15/2006 does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Document Type: Long Term Monitoring Report
Completed Date: 10/13/2010
Comments: The Workplan dated 9/302010 reviewd by DTSC does not require revision. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/24/2011
Comments: DTSC determines, the Work Plan to Implement Supplemental IRZ Injection Tracer Testing and Performance Monitoring, dated March 10, 2011 does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/29/2011
Comments: Original document requires no revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2012
Comments: DTSC determines no revision on the report, dated February 10, 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2012
Comments: Document was submitted to LARWQCB.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 05/22/2012
Comments: RP was informed, DTSC determines the above subject document does not require revisions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2012
Comments: Report dated 7/30/2012 does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2013
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2013
Comments: done

Completed Area Name: PROJECT WIDE

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2013
Comments: appropriate reporting

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/02/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2014
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 05/14/2016
Comments: accepted as ongoing

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 03/30/2016
Comments: concurrence

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 03/11/2016
Comments: concurrence

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 07/09/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/29/2016

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/16/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 07/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 10/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/11/2001
Comments: DTSC signed the Voluntary Cleanup Agreement (VCA). VCA was signed on 4/11/01. Purpose of VCA is for ITT Cannon to complete the Site Investigation, and prepare and implement a Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/18/1996
Comments: AN AMENDED VOLUNTARY CLEANUP AGREEMENT WAS SIGNED BY THE PROJECT PROPONENTS AND THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL FOR A REMEDIAL INVESTIGATION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/04/1993
Comments: A VOLUNTARY CLEAN-UP AGREEMENT WAS SIGNED BY THE RPS AND DTSC. PER THE AGREEMENT THE RPS WOULD PAY IN ADVANCE TO HAVE DTSC REVIEW AND COMMENT ON THE RPS SITE CHARACTERIZA- TION REPORT. WALK-IN PROGRAM PROJECT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/27/2013
Comments: Soil cleaned up to 11 mg/kg in shallow soil for Aroclor 1248; 0.06 mg/kg for PCE; 750 mg/kg for lead and 50 mg/kg for Aroclor 1248 for deep soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/22/2005

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Comments: An operation maintenance agreement is executed for the implementation of a plan to identify soil and groundwater activities that need to be followed and maintained in order to protect human health and the environment.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 7797
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

CA FID UST:
Facility ID: 19054659
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132251655
Mail To: Not reported
Mailing Address: 3209 HUMBOLT ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900310000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

DEED:
Envirostor ID: 19340739
Area: PROJECT WIDE
Sub Area: Not reported

KENNINGTON LTD. (ITT CANNON) (Continued) **1000855945**

Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/22/2005

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19340739

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55 SE 1/2-1 0.828 mi. 4373 ft.

CHARO - COMMUNITY DEVELOPMENT AGENCY
4301 VALLEY BLVD.
LOS ANGELES, CA 90032

ENVIROSTOR **S108195980**
LA Co. Site Mitigation **N/A**

Relative: Lower

Actual: 377 ft.

ENVIROSTOR:
Facility ID: 60000449
Status: Inactive - Action Required
Status Date: 08/03/2010
Site Code: 301305
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.06450
Longitude: -118.1922
APN: 5215014011
Past Use: MANUFACTURING - OTHER
Potential COC: Arsenic DDD DDE DDT Polychlorinated biphenyls (PCBs Toxaphene TPH-diesel TPH-gas
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 5215014011
Alias Type: APN
Alias Name: 301305
Alias Type: Project Code (Site Code)
Alias Name: 60000449
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/25/2007

CHARO - COMMUNITY DEVELOPMENT AGENCY (Continued) **S108195980**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/12/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 12/08/2006
Comments: TSI application.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/03/2007
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LA Co. Site Mitigation:
Facility ID: Not reported
Site ID: SD0000319
Jurisdiction: County
Case ID: RO0001320
Abated: Yes
Assigned To: Richard Clark
Entered Date: 07/22/2010
Abated Date: 02/15/2011

56 NW 1/2-1 0.863 mi. 4554 ft. Relative: Lower Actual: 369 ft.	**FORMER WELCH'S UNIFORM FACILITY 3505 PASADENA AVENUE LOS ANGELES, CA 90031**	**RCRA-LQG ENVIROSTOR LUST SLIC VCP SWEEPS UST HIST UST CA FID UST FINDS ECHO EMI HIST CORTESE**	**1000169742 CAD075309740**

RCRA-LQG:

Date form received by agency:	05/22/2006
Facility name:	FORMER WELCHS UNIFORM SITE
Facility address:	3505 PASADENA AVENUE LOS ANGELES, CA 90031
EPA ID:	CAD075309740
Mailing address:	10801 WAYZATA BLVD MINNETONKA, MN 55305
Contact:	JOSEPH E PETER
Contact address:	10801 WAYZATA BLVD MINNETONKA, MN 55305
Contact country:	US
Contact telephone:	952-738-6661
Contact email:	JOE.PETER@AMERIPRIDE.ORG
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	AMERIPRIDE SERVICES INC
Owner/operator address:	10801 WAYZATA BLVD MINNETONKA, MN 55305
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/31/1989
Owner/Op end date:	Not reported
Owner/operator name:	AMERIPRIDE SERVICES INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Owner/Operator Type: Operator
Owner/Op start date: 03/31/1989
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 08/22/1980
Site name: WELCH'S OVERALL CLEANING CO INC
Classification: Not a generator, verified

Violation Status: No violations found

ENVIROSTOR:
Facility ID: 60000636
Status: Active
Status Date: 05/25/2007
Site Code: 301314
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 2.6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Lori Parnass
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.08559
Longitude:	-118.2138
APN:	5205004010
Past Use:	LAUNDRY SERVICES
Potential COC:	Trichloroethylene (TCE
Confirmed COC:	Trichloroethylene (TCE
Potential Description:	OTH, SOIL, SV
Alias Name:	5205004010
Alias Type:	APN
Alias Name:	110002657848
Alias Type:	EPA (FRS #)
Alias Name:	SL2044P1598
Alias Type:	GeoTracker Global ID
Alias Name:	T0603700785
Alias Type:	GeoTracker Global ID
Alias Name:	301314
Alias Type:	Project Code (Site Code)
Alias Name:	60000636
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	06/08/2012
Comments:	NOE document was filed and posted at the OPR (State Clearing House on 6/19/2012

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/16/2011
Comments:	DTSC determines the document dated June 2011 does not require revision. DTSC's geologist comments and issues will be addressed in succeeding reports.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	01/10/2012
Comments:	DTSC determines that The Second Semi-Annual 2011 Groundwater and Soil Vapor Monitoring Report, dated November 2011 does not require revision.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	10/18/2012
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Community Profile
Completed Date:	06/26/2012
Comments:	Community Profile Report finalized and signed by PPS.

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/06/2012
Comments: Public comment period between 9/6/2012 and 10/7/2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: DTSC's geologist comments on the report, dated 7/9/2012 requires no revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2013
Comments: continued monitoring on a semi annual schedule is required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2014
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 05/11/2015
Comments: successful

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/08/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/14/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 07/23/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Completed Document Type: Removal Action Completion Report
Completed Date: 07/29/2016
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/30/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/02/2010
Comments: Completion of this report is tied up with the Additional Site Characterization and Baseline Health Risk Assessment Report (ASC-BHRA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2007
Comments: Second Quarter Groundwater Sampling Results dated October 18, 2007 requires no revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2007
Comments: No revision is needed to the Third Quarter Groundwater Sampling Results dated October 24, 2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2008
Comments: DTSC determines the Semi-Annual 2008 Groundwater Monitoring and Sampling Report dated May 14, 2008 is adequate, and does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2009
Comments: DTSC does not require revivision of the report dated 2/10/2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/02/2010
Comments: Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/27/2011
Comments: The report dated August 6, 2010 requires no revision, hence final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2011
Comments: The report dated October 28, 2010 requires no revision, hence final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/13/2007
Comments: The Voluntary Cleanup Agreement (Docket No. HSA-VCA 06/07-204) was signed by Sayareh Amir, Branch Chief, Southern California Cleanup Operations Branch - Glendale Office on 6/13/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 06/20/2007
Comments: The scoping meeting on 6/20/07 was attended by RP's environmental consultant: Jeffrey Otter, William Glenn, and Joseph Peter; and DTSC: Sayareh Amir - Branch Chief, Juli Oborne - Unit Chief, John Naginis - geologist, Cy Jeng - toxicologist, Yvette LaDuke - public participation specialist, Gerry Pollock - Senior Toxicologist, and Alberto Valmidiano - Project Manager.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/27/2012
Comments: Per letter from the Native American Heritage Commssion, dated 4/24/2012.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2018
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900310034
Status: Post remedial action monitoring
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603700785
W Global ID: Not reported
Staff: SLC
Local Agency: 19050
Cross Street: PASADENA FREEWAY
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/22/1987
Date Leak Record Entered: 3/7/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/1/1998
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7971.810954967612009262194731
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/12/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: 6/1/1990
Post Remedial Action Monitoring Began: 8/1/1998
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: AMERIPRIDE SERVICE INC.
RP Address: 47 S. NINTH ST., MINNEAPOLIS, MN 55402
Program: SLIC
Lat/Long: 34.0858522 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Priority:	LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	8/13/98 - SUBMITTAL OF QTR GW SAMPL. RPT & SOIL REMEDIATION

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	12/28/1998
Global Id:	SL2044P1598
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	60000636
Latitude:	34.085949
Longitude:	-118.212176
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	DTSC
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Case transferred to DTSC on 12/18/06.

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/28/2015
Global Id:	T0603700785
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	60000636
Latitude:	34.0858522
Longitude:	-118.2131913
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	Not reported
File Location:	DTSC
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Case transferred to DTSC on 12/18/06.

Click here to access the California GeoTracker records for this facility:

VCP:

Facility ID:	60000636
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Lori Parnass

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301314
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	05/25/2007
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.08559 / -118.2138
APN:	5205004010
Past Use:	LAUNDRY SERVICES
Potential COC:	30027
Confirmed COC:	30027
Potential Description:	OTH, SOIL, SV
Alias Name:	5205004010
Alias Type:	APN
Alias Name:	110002657848
Alias Type:	EPA (FRS #)
Alias Name:	SL2044P1598
Alias Type:	GeoTracker Global ID
Alias Name:	T0603700785
Alias Type:	GeoTracker Global ID
Alias Name:	301314
Alias Type:	Project Code (Site Code)
Alias Name:	60000636
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	06/08/2012
Comments:	NOE document was filed and posted at the OPR (State Clearing House on 6/19/2012

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/16/2011
Comments:	DTSC determines the document dated June 2011 does not require revision. DTSC's geologist comments and issues will be addressed in succeeding reports.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	01/10/2012
Comments:	DTSC determines that The Second Semi-Annual 2011 Groundwater and Soil Vapor Monitoring Report, dated November 2011 does not require revision.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	10/18/2012
Comments:	Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/26/2012
Comments: Community Profile Report finalized and signed by PPS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/06/2012
Comments: Public comment period between 9/6/2012 and 10/7/2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: DTSC's geologist comments on the report, dated 7/9/2012 requires no revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2013
Comments: continued monitoring on a semi annual schedule is required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2014
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 05/11/2015
Comments: successful

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/08/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/14/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Completed Document Type: Long Term Monitoring Report
Completed Date: 07/23/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/29/2016
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 08/30/2016
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/02/2010
Comments: Completion of this report is tied up with the Additional Site Characterization and Baseline Health Risk Assessment Report (ASC-BHRA).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2007
Comments: Second Quarter Groundwater Sampling Results dated October 18, 2007 requires no revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2007
Comments: No revision is needed to the Third Quarter Groundwater Sampling Results dated October 24, 2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2008
Comments: DTSC determines the Semi-Annual 2008 Groundwater Monitoring and Sampling Report dated May 14, 2008 is adequate, and does not require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2009
Comments: DTSC does not require revivision of the report dated 2/10/2009.

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/02/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/27/2011
Comments: The report dated August 6, 2010 requires no revision, hence final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2011
Comments: The report dated October 28, 2010 requires no revision, hence final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/13/2007
Comments: The Voluntary Cleanup Agreement (Docket No. HSA-VCA 06/07-204) was signed by Sayareh Amir, Branch Chief, Southern California Cleanup Operations Branch - Glendale Office on 6/13/2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 06/20/2007
Comments: The scoping meeting on 6/20/07 was attended by RP's environmental consultant: Jeffrey Otter, William Glenn, and Joseph Peter; and DTSC: Sayareh Amir - Branch Chief, Juli Oborne - Unit Chief, John Naginis - geologist, Cy Jeng - toxicologist, Yvette LaDuke - public participation specialist, Gerry Pollock - Senior Toxicologist, and Alberto Valmidiano - Project Manager.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/27/2012
Comments: Per letter from the Native American Heritage Commssion, dated 4/24/2012.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2021
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2018
Future Area Name: PROJECT WIDE

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2018
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 939
Number: Not reported
Board Of Equalization: 44-011491
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000939-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 10

Status: Not reported
Comp Number: 939
Number: Not reported
Board Of Equalization: 44-011491
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000939-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 939
Number: Not reported
Board Of Equalization: 44-011491
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000939-000003
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939
Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000939-000004
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939
Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000939-000005
Tank Status:	Not reported
Capacity:	1700
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939
Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000939-000006
Tank Status:	Not reported
Capacity:	3200
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000939-000007
Tank Status:	Not reported
Capacity:	3590
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939
Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000939-000008
Tank Status:	Not reported
Capacity:	1800
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939
Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000939-000009
Tank Status:	Not reported
Capacity:	800
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	939
Number:	Not reported
Board Of Equalization:	44-011491
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

SWRCB Tank Id:	19-050-000939-000010
Tank Status:	Not reported
Capacity:	7200
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

HIST UST:

File Number:	000286CB
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000286CB.pdf
Region:	STATE
Facility ID:	00000008008
Facility Type:	Other
Other Type:	Not reported
Contact Name:	JACK ENGLISH
Telephone:	2132256171
Owner Name:	WELCH'S OVERALL CLEANING CO.,
Owner Address:	3505 PASADENA AVE.
Owner City,St,Zip:	LOS ANGELES, CA 90031
Total Tanks:	0010

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00001700
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00003200
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	007
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00003590
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	008
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00001800
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	None

Tank Num:	009
Container Num:	9
Year Installed:	Not reported
Tank Capacity:	00000800
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	6
Leak Detection:	Visual

Tank Num:	010
Container Num:	10
Year Installed:	Not reported
Tank Capacity:	00007200
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19001529
Regulated By:	UTNKI
Regulated ID:	00008008
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132256171
Mail To:	Not reported
Mailing Address:	3505 PASADENA AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

FINDS:

Registry ID: 110002657848

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000169742
Registry ID:	110002657848
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002657848

EMI:

Year:	2014
County Code:	19
Air Basin:	SC

FORMER WELCH'S UNIFORM FACILITY (Continued) **1000169742**

Facility ID:	173145
Air District Name:	SC
SIC Code:	7213
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00011451474377
Reactive Organic Gases Tons/Yr:	8e-005
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900310034

---

57 WNW 1/2-1 0.867 mi. 4577 ft. | **JAYBEE/ AJAX MFG CORP** | **ENVIROSTOR** | **S106833414**
301 WEST AVE. 26 | **VCP** | **N/A**
LOS ANGELES, CA 90054 | **EMI**

Relative: Lower

Actual: 356 ft.

ENVIROSTOR:

Facility ID:	19490238
Status:	Active
Status Date:	04/07/2004
Site Code:	301120
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Lori Parnass
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.08074
Longitude:	-118.2181
APN:	5205-009-900, 5205009900
Past Use:	MANUFACTURING - OTHER
Potential COC:	Lead Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel TPH-gas Trichloroethylene (TCE 1,2-Dichloroethane (EDC Naphthalene Toluene Xylenes
Confirmed COC:	Naphthalene Toluene Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel TPH-gas Trichloroethylene (TCE 1,2-Dichloroethane (EDC Lead Xylenes
Potential Description:	OTH, SOIL

JAYBEE/ AJAX MFG CORP (Continued) **S106833414**

Alias Name:	DEPARTMENT OF WATER & POWER, CITY OF LA
Alias Type:	Alternate Name
Alias Name:	DWP - CITY OF LOS ANGELES
Alias Type:	Alternate Name
Alias Name:	JAYBEE SITE
Alias Type:	Alternate Name
Alias Name:	LINCOLN HEIGHTS SERVICE CENTER
Alias Type:	Alternate Name
Alias Name:	5205-009-900
Alias Type:	APN
Alias Name:	5205009900
Alias Type:	APN
Alias Name:	CAD983578667
Alias Type:	CERCLIS ID
Alias Name:	110009268657
Alias Type:	EPA (FRS #)
Alias Name:	110033606649
Alias Type:	EPA (FRS #)
Alias Name:	301120
Alias Type:	Project Code (Site Code)
Alias Name:	19490238
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/07/2004
Comments:	The Voluntary Cleanup Agreement was signed by representatives from the Los Angeles Department of Water and Power and the Department of Toxic Substances Control. The purpose of the Agreement is for the Proponent to conduct a Preliminary Endangerment Assessment of the soil under the oversight of DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	09/14/1995
Comments:	The Department received a Non-Emergency Hazardous Substance Release Report dated July 8, 1994. The report indicates that the property was contaminated at the time of purchase in March 1990. Leaking undergound storage tanks have been removed by the previous owner. Some of the contaminated soils have been removed from the site. Soils contaminated with lead are still exist at the site. Due to evidence of a release, DTSC recommended a PEA, and notified the RP thereof.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	05/12/2005
Comments:	The PEA Workplan was approved

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	12/29/2012
Comments:	Further work is needed, was preposed and approved January 3, 2013

JAYBEE/ AJAX MFG CORP (Continued) **S106833414**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	12/10/2012
Comments:	done

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	11/13/2014
Comments:	done

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Feasibility Study Report
Future Due Date:	2017
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Design/Implementation Workplan
Schedule Due Date:	12/14/2016
Schedule Revised Date:	02/28/2018

VCP:

Facility ID:	19490238
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Lori Parnass
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301120
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	04/07/2004
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.08074 / -118.2181
APN:	5205-009-900, 5205009900
Past Use:	MANUFACTURING - OTHER
Potential COC:	30013, 30019, 30022, 30024, 30025, 30027, 30193, 30484, 30550, 30593
Confirmed COC:	30484,30550,30019,30022,30024,30025,30027,30193,30013,30593
Potential Description:	OTH, SOIL

JAYBEE/ AJAX MFG CORP (Continued) **S106833414**

Alias Name: DEPARTMENT OF WATER & POWER, CITY OF LA
Alias Type: Alternate Name
Alias Name: DWP - CITY OF LOS ANGELES
Alias Type: Alternate Name
Alias Name: JAYBEE SITE
Alias Type: Alternate Name
Alias Name: LINCOLN HEIGHTS SERVICE CENTER
Alias Type: Alternate Name
Alias Name: 5205-009-900
Alias Type: APN
Alias Name: 5205009900
Alias Type: APN
Alias Name: CAD983578667
Alias Type: CERCLIS ID
Alias Name: 110009268657
Alias Type: EPA (FRS #)
Alias Name: 110033606649
Alias Type: EPA (FRS #)
Alias Name: 301120
Alias Type: Project Code (Site Code)
Alias Name: 19490238
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/07/2004
Comments: The Voluntary Cleanup Agreement was signed by representatives from the Los Angeles Department of Water and Power and the Department of Toxic Substances Control. The purpose of the Agreement is for the Proponent to conduct a Preliminary Endangerment Assessment of the soil under the oversight of DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/14/1995
Comments: The Department received a Non-Emergency Hazardous Substance Release Report dated July 8, 1994. The report indicates that the property was contaminated at the time of purchase in March 1990. Leaking undergound storage tanks have been removed by the previous owner. Some of the contaminated soils have been removed from the site. Soils contaminated with lead are still exist at the site. Due to evidence of a release, DTSC recommended a PEA, and notified the RP thereof.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/12/2005
Comments: The PEA Workplan was approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/29/2012
Comments: Further work is needed, was preposed and approved January 3, 2013

JAYBEE/ AJAX MFG CORP (Continued) **S106833414**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	12/10/2012
Comments:	done

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	11/13/2014
Comments:	done

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Feasibility Study Report
Future Due Date:	2017
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Design/Implementation Workplan
Schedule Due Date:	12/14/2016
Schedule Revised Date:	02/28/2018

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	16454
Air District Name:	SC
SIC Code:	3444
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

58 SSE 1/2-1 0.886 mi. 4680 ft. | **WONG PROPERTIES**
2716 MEDFORD ST
LOS ANGELES, CA 90063 | **ENVIROSTOR**
SLIC
ENF
LA Co. Site Mitigation | **S106387225**
N/A

Relative: Lower

Actual: 360 ft.

ENVIROSTOR:

Facility ID:	60000145
Status:	Refer: 1248 Local Agency
Status Date:	07/18/2002
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	LA CNTY FIRE DEPT. (BILLING AND UST), LOS ANGELES COUNTY
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	34.06169
Longitude:	-118.1934
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SL0603765480
Alias Type:	GeoTracker Global ID
Alias Name:	60000145
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/30/2014

WONG PROPERTIES (Continued) **S106387225**

Global Id:	SL0603765480
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.061742
Longitude:	-118.193537
Case Type:	Cleanup Program Site
Case Worker:	ABL
Local Agency:	Not reported
RB Case Number:	1122
File Location:	Regional Board
Potential Media Affected:	Indoor Air, Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Gasoline
Site History:	The Site consists of a single-story 15,000 square foot warehouse/light industrial building, a 1,000 square foot metal-sided building, and a paved parking lot on a 30,000 square foot parcel of land. The property was occupied from 1995 until 2004 by a clothing manufacturer and an independent auto mechanic. No records are available for hazardous materials used, wastes produced, manufacturing processes, waste handling practices, storage areas, and disposal methods. A permit to install a waste oil underground storage tank (UST) and oil plumbing in the interior of the building was issued in 1952, but no records are available for the UST installation, operation, or removal. No information is available about the former UST or clarifier(s) on-site. Site assessment activities were initiated in 2001, and have been under Regional Board's oversight since June 2003. Findings from the subsurface investigation indicated the presence of chemicals, primarily total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs), in on-site soils and the underlying groundwater. In October 2003, approximately 71 tons of contaminated soils were excavated from two onsite locations. Both soil excavation were excavated to depths of approximately 10 feet below ground surface (bgs). The RWQCB granted a conditional No Further Action (NFA) for soil only on February 19, 2004. Groundwater underlies the Site at approximately 10 feet bgs and has been impacted with VOCs, primarily trichloroethene (TCE), tetrachloroethene (PCE), cis-1,2-dichloroethylene (DCE), trans-1,2-DCE, and TPH-gasoline. No free product or petroleum sheen was found in any of the wells sampled during previous monitoring events. Regional Board oversees the property owners conducting groundwater assessment and documenting the efforts in technical reports pursuant to Section 13267 of the California Water Code. The latest groundwater data was collected in December 2012. The detected VOC concetrations in groundwater are within two to five times of the maximum contaminant levels for TCE and PCE, respectively. Human health risk assessments were submitted to the Regional Board, including a soil gas survey that was conducted for both the Site and the property at 1660 Murchision Street. The Office of Environmental Health Hazard Assessment (OEHHA) reviewed the reports and concurred that the estimated risks to human health based on current site condition would not be considered a significant risk for industrial/commerical land use. Based on Regional Board staff review of the information submitted, with the provision that the information was accurate and representative of the site condition, a no-further-action (NFA) status is granted to the property with respect to the commercial and industrial land use. Regional Board issued the NFA letter on June 30, 2014, after the property owner

WONG PROPERTIES (Continued) **S106387225**

recorded a Covenant and Environmental Restriction with the Los Angeles County office on June 24, 2014.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	1122
Substance:	PCE, TCE
Staff:	AT

ENF:

Region:	4
Facility Id:	642749
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Not reported
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.0617
Place Longitude:	-118.19343
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4SLIC1122
Reg Measure Id:	314453
Reg Measure Type:	Unregulated
Region:	4
Order #:	SLIC 1122
Npdes# CA#:	Not reported
Major-Minor:	Not reported

WONG PROPERTIES (Continued) **S106387225**

Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	05/14/2013
Effective Date:	10/15/2004
Expiration/Review Date:	Not reported
Termination Date:	03/27/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	314384
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	03/27/2006
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/27/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 3/27/06 for 6 overdue groundwater monitoring reports.
Description:	NOV sent 3/27/06 for 6 overdue groundwater monitoring reports.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

LA Co. Site Mitigation:

Facility ID:	Not reported
Site ID:	SD0010046
Jurisdiction:	County
Case ID:	RO0000608
Abated:	Yes
Assigned To:	Kim Clark
Entered Date:	05/11/2004
Abated Date:	05/27/2003

59 SW 1/2-1 0.934 mi. 4931 ft.

M.O.R.E. OIL COMPANY
645 SOUTH AVE. 21
LOS ANGELES, CA 90031

RESPONSE
ENVIROSTOR
HIST Cal-Sites

S102008346
N/A

Relative: Lower

Actual: 319 ft.

RESPONSE:

Facility ID:	19130103
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.01
National Priorities List:	NO
Cleanup Oversight Agencies:	NONE SPECIFIED
Lead Agency Description:	Not reported
Project Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Site Code:	Not reported
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	Certified
Status Date:	05/29/1985
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	34.06522
Longitude:	-118.2169
APN:	7462029008
Past Use:	ILLEGAL DUMPING
Potential COC :	TPH-MOTOR OIL Nitric Acid
Confirmed COC:	Nitric Acid TPH-MOTOR OIL
Potential Description:	SOIL
Alias Name:	7462029008
Alias Type:	APN
Alias Name:	110002671261
Alias Type:	EPA (FRS #)
Alias Name:	19130103
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	05/29/1985
Comments:	545 drums of hazardous waste solids, 28 crushed drums, 3,150 gallons of waste oil were removed. The property was steam cleaned and tested by Crosby and Overton.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

M.O.R.E. OIL COMPANY (Continued) **S102008346**

ENVIROSTOR:

Facility ID:	19130103
Status:	Certified
Status Date:	05/29/1985
Site Code:	Not reported
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	0.01
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.06522
Longitude:	-118.2169
APN:	7462029008
Past Use:	ILLEGAL DUMPING
Potential COC:	TPH-MOTOR OIL Nitric Acid
Confirmed COC:	Nitric Acid TPH-MOTOR OIL
Potential Description:	SOIL
Alias Name:	7462029008
Alias Type:	APN
Alias Name:	110002671261
Alias Type:	EPA (FRS #)
Alias Name:	19130103
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	05/29/1985
Comments:	545 drums of hazardous waste solids, 28 crushed drums, 3,150 gallons of waste oil were removed. The property was steam cleaned and tested by Crosby and Overton.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Calsite:

Region:	GLENDALE
Facility ID:	19130103
Facility Type:	RP

M.O.R.E. OIL COMPANY (Continued) **S102008346**

Type:	RESPONSIBLE PARTY
Branch:	SA
Branch Name:	SO CAL - GLENDALE
File Name:	Not reported
State Senate District:	05291985
Status:	CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name:	CERTIFIED
Lead Agency:	N/A
NPL:	Not reported
SIC Code:	13
SIC Name:	OIL & GAS EXTRACTION
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	45
State Senate District Code:	22
Facility ID:	19130103
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05291985
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	645 SOUTH AVE. 21
Alternate City,St,Zip:	LOS ANGELES, CA 90031
Background Info:	M.O.R.E Oil "Mikhele Finkel" abandoned 500 drums of hazardous waste at 645 South Ave. 21. This caused spillage of acid and waste oil onto asphalt material.
Comments Date:	05291985
Comments:	545 drums of hazardous waste solids, 28 crushed drums, 3,150

M.O.R.E. OIL COMPANY (Continued) **S102008346**

Comments Date:	05291985
Comments:	gallons of waste oil were removed. The property was steam
Comments Date:	05291985
Comments:	cleaned and tested by Crosby and Overton.
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	M.O.R.E. OIL COMPANY
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

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60 West 1/2-1 0.949 mi. 5011 ft. | **VICTOR INDUSTRIAL BATTERY** | **ENVIROSTOR** | **S105689620**
138 N SAN FERNANDO RD | **VCP** | **N/A**
LOS ANGELES, CA 90031 | **DEED**
LA Co. Site Mitigation

Relative: Lower

Actual: 343 ft.

ENVIROSTOR:

Facility ID:	19360528
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	03/29/1995
Site Code:	300547
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.1
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Moises Carvalho
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.07543
Longitude:	-118.2214
APN:	5447-014-024, 5447014024
Past Use:	BATTERY RECLAMATION
Potential COC:	* LIQUIDS WITH PH <= 2 * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * ACID SOLUTION WITHOUT METALS * ALKALINE SOLUTION WITHOUT METALS * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * ALKALINE SOLUTION 2<PH<12.5, WITH METALS * OFF-SPECIFICATION, AGED, OR SURPLUS INORGANICS * OTHER INORGANIC SOLID WASTE * OTHER SPENT CATALYST * LIQUIDS WITH PH <= 2 WITH METALS Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	VICTOR INDUSTRIAL BATTERY
Alias Type:	Alternate Name
Alias Name:	VICTOR'S INDUSTRIAL BATTERIES
Alias Type:	Alternate Name
Alias Name:	5447-014-024
Alias Type:	APN
Alias Name:	5447014024
Alias Type:	APN
Alias Name:	110033613392

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Alias Type: EPA (FRS #)
Alias Name: 300547
Alias Type: Project Code (Site Code)
Alias Name: 19360528
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/07/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/27/1995
Comments: DTSC enters into a Voluntary Cleanup Agreement with the Project Proponent. Under the terms of the Agreement, the Project Proponent will prepare a Deed Restriction in the manner specified by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/30/2016
Comments: 30-day extension approval issued on 9/30/2016 to bring the facility into compliance

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 07/05/2016
Comments: Report completed (finalized) on July 5, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 04/15/2015
Comments: Not reported

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/05/2004
Comments: File Download into Envirostor on 3/2/2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/17/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/28/2016
Comments: LUC Inspection conducted on June 28, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/30/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 06/15/2016
Comments: HARP approved by assigned Industrial Hygienist on June 15, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/11/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 03/27/1995
Comments: File Download into Envirostor on 3/2/2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Completed Date: 07/06/2016
Comments: Notification Letter issued on July 6, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 06/28/2016
Comments: LUC field inspection conducted on June 28, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/27/1995
Comments: The Responsible Party recorded a Deed Restriction notification with the County of Los Angeles on March 27, 1995 and a copy has been provided to the Department. The Department has reviewed the Covenant and recommended that "No Further Action" is warranted provided the current cap is in place. Based on the Covenant, the Department should be notified prior to any soil disturbance at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/16/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 12/03/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 02/24/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/16/1994
Comments: The Department received a referral dated March 8, 1994 from the County of Los Angeles, Fire Department. The site was previously a battery recycler whose owner, Victor Pena, was under investigation by LA County and the LA City Attorney’s Office for the illegal discharge of hazardous waste onto the subject property. The waste materials were being discharged into an unlined pit in the rear of the property and the driveway. The RP was subsequently convicted of illegal discharge of hazardous waste, sentenced and ordered to remediate the site. The "Subsurface Investigation Report" indicates that the maximum concentration of lead in the soil is 30,000 mg/kg and minimum pH is 0.48. RP has not been compiled with the County’s directives. Therefore, the site was referred to the Department. Due to the evidence of onsite contamination, the Department recommends a PEA. The RP will be notified of this recommendation.

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/04/1991
Comments: Supplemental Addendum to Subsurface Investigation was submitted on July 31, 1991

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/12/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/12/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/17/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/07/1992
Comments: Hard copy approval letter is not available

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/16/1993
Comments: Hard copy approval letter is not available

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/16/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 03/29/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Completed Document Type:	Post HARP Form
Completed Date:	11/15/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	01/25/2017
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	5 Year Review Reports
Schedule Due Date:	01/14/2017
Schedule Revised Date:	Not reported

VCP:

Facility ID:	19360528
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.1
National Priorities List:	NO
Cleanup Oversight Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Lead Agency Description:	Not reported
Project Manager:	Moises Carvalho
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Site Code:	300547
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	03/29/1995
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.07543 / -118.2214
APN:	5447-014-024, 5447014024
Past Use:	BATTERY RECLAMATION
Potential COC:	10015, 10097, 10119, 10120, 10124, 10193, 10194, 20001, 20009, 20011, 20013, 20024, 30013
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	VICTOR INDUSTRIAL BATTERY
Alias Type:	Alternate Name
Alias Name:	VICTOR'S INDUSTRIAL BATTERIES
Alias Type:	Alternate Name
Alias Name:	5447-014-024
Alias Type:	APN
Alias Name:	5447014024
Alias Type:	APN
Alias Name:	110033613392

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Alias Type: EPA (FRS #)
Alias Name: 300547
Alias Type: Project Code (Site Code)
Alias Name: 19360528
Alias Type: Envirostor ID Number

Completed Info:

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Completed Date: 10/13/2014
Comments: Not reported

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Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
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Completed Date: 02/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 04/15/2015
Comments: Not reported

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

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Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/05/2004
Comments: File Download into Envirostor on 3/2/2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/17/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/28/2016
Comments: LUC Inspection conducted on June 28, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/30/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
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Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
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Comments: HARP approved by assigned Industrial Hygienist on June 15, 2016

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Completed Date: 09/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
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Completed Date: 08/11/1993
Comments: Not reported

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Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
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VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

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VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/04/1991
Comments: Supplemental Addendum to Subsurface Investigation was submitted on July 31, 1991

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/12/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/12/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/17/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/07/1992
Comments: Hard copy approval letter is not available

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/16/1993
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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/16/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 03/29/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

VICTOR INDUSTRIAL BATTERY (Continued) **S105689620**

Completed Document Type: Post HARP Form
Completed Date: 11/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/25/2017
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 01/14/2017
Schedule Revised Date: Not reported

DEED:
Envirostor ID: 19360528
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/27/1995

LA Co. Site Mitigation:
Facility ID: Not reported
Site ID: SD0010405
Jurisdiction: Not reported
Case ID: RO0000597
Abated: Yes
Assigned To: Don Thompson
Entered Date: Not reported
Abated Date: 03/07/1994

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S106116451	THE E.B. MALONE CORP.	306 AVENUE 26	90031	SLIC
LOS ANGELES	S101480762	BARON MANUFACTURING	241 AVENUE 26	90031	ENVIROSTOR
LOS ANGELES	S101661395	METRO RAIL PASADENA BLUE LINE	BETWEEN AVENUE 33 & FRENCH AVE	90065	ENVIROSTOR
LOS ANGELES	S109117571	CALIFORNIA TARGET STATION #49	5492 HUNTINGTON DR E	90032	LUST
LOS ANGELES	S101297042	SIDEWALK TREE PLANTER HOLE	HUNTINGTON DR S	90032	LUST
LOS ANGELES	S107736195	CRHS #13	SAN FERNANDO ROAD/DIVISION STR	90065	ENVIROSTOR, SCH

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 06/08/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/09/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/08/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 93

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 101

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 01/13/2017
Date Data Arrived at EDR: 01/17/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 134

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 105

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/06/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 35

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 118

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2017
Date Data Arrived at EDR: 02/17/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 97

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/13/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/06/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 31

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 94

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/23/2017
Date Data Arrived at EDR: 02/24/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 77

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/24/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 73

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/06/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 40

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 57

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 77

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 110

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/03/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 76

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 96

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 85

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017
Date Data Arrived at EDR: 04/20/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 1

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 98

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 105

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 02/21/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 91

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 14

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 89

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/01/2017
Date Data Arrived at EDR: 03/30/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 54

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 01/24/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 114

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 113

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017
Date Data Arrived at EDR: 03/15/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

3501 N. BROADWAY
3501 N. BROADWAY
LOS ANGELES, CA 90031

TARGET PROPERTY COORDINATES

Latitude (North):	34.074734 - 34˚ 4' 29.04''
Longitude (West):	118.203647 - 118˚ 12' 13.13''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	388937.7
UTM Y (Meters):	3770901.2
Elevation:	405 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630795 LOS ANGELES, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

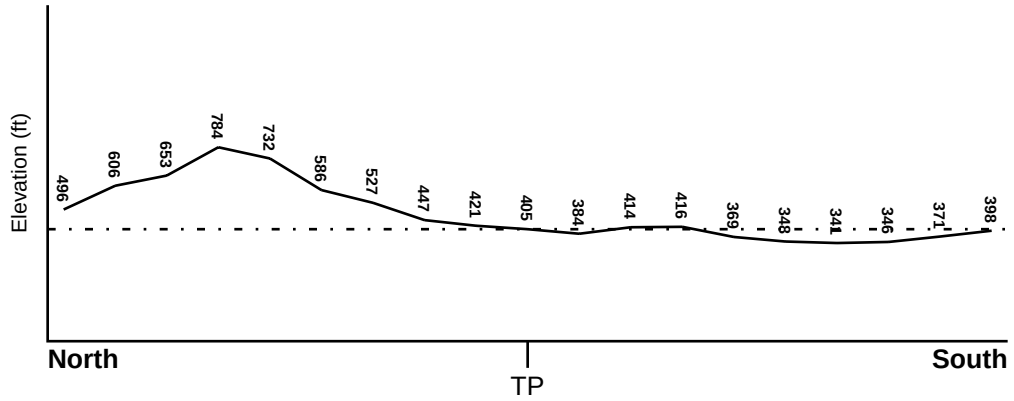
TOPOGRAPHIC INFORMATION

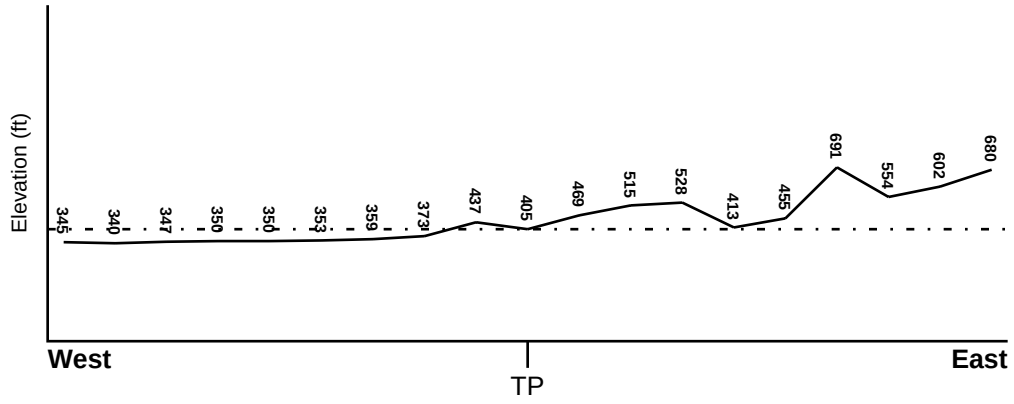
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 405 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1629F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1635F	FEMA FIRM Flood data
06037C1628F	FEMA FIRM Flood data
06037C1637F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ANGELES	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/2 - 1 Mile West	Not Reported
2	1/2 - 1 Mile SW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HAMBRIGHT
Soil Surface Texture:	gravelly - loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	7 inches	16 inches	very gravelly - loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
3	16 inches	20 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
silty clay loam
shaly - clay loam
sandy loam
clay
loamy sand
clay loam

Surficial Soil Types: loam
silty clay loam
shaly - clay loam
sandy loam
clay
loamy sand
clay loam

Shallow Soil Types: silty clay

Deeper Soil Types: weathered bedrock
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

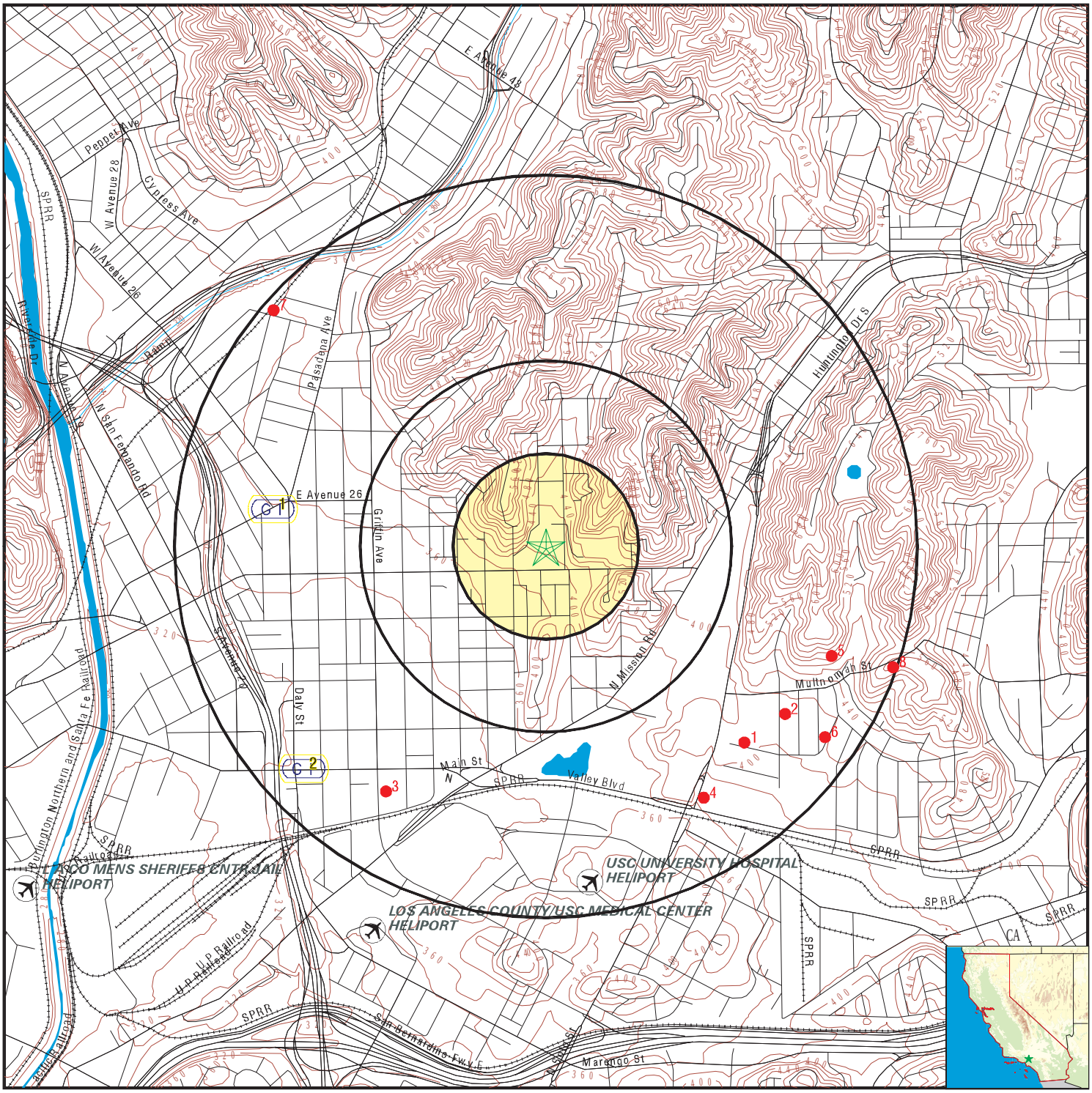
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204963	1/2 - 1 Mile SE
2	CAOG11000204631	1/2 - 1 Mile SE
3	CAOG11000205248	1/2 - 1 Mile SSW
4	CAOG11000200915	1/2 - 1 Mile SSE
5	CAOG11000204890	1/2 - 1 Mile ESE
6	CAOG11000204855	1/2 - 1 Mile SE
7	CAOG11000213808	1/2 - 1 Mile NW
8	CAOG11000204546	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 4965983.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	3501 N. Broadway	CLIENT:	Alisto Engineering Group
ADDRESS:	3501 N. Broadway Los Angeles CA 90031	CONTACT:	AL Sevilla
		INQUIRY #:	4965983.2s
LAT/LONG:	34.074734 / -118.203647	DATE:	June 26, 2017 4:50 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55212**
2 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900310225 Not Reported Not Reported Not Reported 35 07/11/1991	**AQUIFLOW**	**69668**

Map ID Direction Distance	Database	EDR ID Number

1
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000204963**

District nun:	1	Api number:	03705850
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Schirm & Rubenstein		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Huntington-Seger	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204963		

2
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000204631**

District nun:	1	Api number:	03705365
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Dumm Bros., Olympic Ref.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204631		

3
SSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205248**

District nun:	1	Api number:	03706322
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	23
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Edison Corehole	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000205248		

4
SSE **OIL_GAS** **CAOG11000200915**
1/2 - 1 Mile

District nun:	1	Api number:	03700795
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Golden State Core Hole	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000200915		

5
ESE **OIL_GAS** **CAOG11000204890**
1/2 - 1 Mile

District nun:	1	Api number:	03705743
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	O'Donnell & Wilde		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204890		

6
SE
1/2 - 1 Mile **OIL_GAS** **CAOG11000204855**

District nun:	1	Api number:	03705697
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Republic Petroleum Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Jordan	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204855		

7
NW
1/2 - 1 Mile **OIL_GAS** **CAOG11000213808**

District nun:	1	Api number:	03719045
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	14
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Core Hole	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000213808		

Map ID Direction Distance	Database	EDR ID Number
8 **ESE** **1/2 - 1 Mile**	**OIL_GAS**	**CAOG11000204546**

District nun:	1	Api number:	03705244
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	California Pacific Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204546		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90031	20	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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3501 N. Broadway
3501 N. Broadway
Los Angeles, CA 90031

Inquiry Number: 4965983.9s
June 27, 2017

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

ENVIRONMENTAL RECORDS	Maximum Search Distance*	Summary		
		property	1/10	1/10 - 1/3
Federal NPL site list	0.333	0	0	0
Federal CERCLIS list	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	1	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	0.333	0	0	0
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	7
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
Other Records	0.333	3	0	4

HISTORICAL USE RECORDS				
Former Manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.125	1	5	0
Historical Dry Cleaners	0.125	0	4	1
Exclusive Recovered Govt. Archives	property	0	-	-

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

3501 N. BROADWAY
3501 N. BROADWAY
LOS ANGELES, CA 90031

COORDINATES

Latitude (North):	34.074734 - 34° 4′ 29.041443″
Longitude (West):	-118.203647 - -118° -12′ -13.117676″
Elevation:	405 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
DE ANGELIS BROS 3501 N BROADWAY LOS ANGELES, CA	EDR Hist Auto
LA USD LINCOLN HS 3501 N BROADWAY LOS ANGELES, CA 90031	FINDS Registry ID:: 110002729174 RCRA-SQG EPA ID:: CAD981625825 EPA ID:: CAD981625825 EPA ID:: CAD981625825 ECHO
LAUSD/LINCOLN HS 3501 N BROADWAY LOS ANGELES, CA 900310000	HAZNET GEPAID: CAD981625825
LAUSD - LINCOLN HIGH SCHOOL 3501 N BROADWAY LOS ANGELES, CA 90031	FINDS Registry ID:: 110065791325

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone:	Available
NWI Wetlands:	Available

AQUIFLOW®

Search Radius: 0.333 Mile.

No Aquiflow sites reported.

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HAMBRIGHT
Soil Surface Texture:	gravelly - loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.
Hydric Status:	Hydric Status: Soil does not meet the requirements for a hydric soil.
Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 20 inches

Soil Layer Information

	Boundary			Classification			
Layer	**Upper**	**Lower**	**Soil Texture Class**	**AASHTO Group**	**Unified Soil**	**Permeability Rate (in/hr)**	**Soil Reaction (pH)**
1	0 inches	7 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
2	7 inches	16 inches	very gravelly - loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
3	16 inches	20 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
silty clay loam
shaly - clay loam
sandy loam
clay
loamy sand
clay loam

Surficial Soil Types: loam
silty clay loam
shaly - clay loam
sandy loam
clay
loamy sand
clay loam

Shallow Soil Types: silty clay

Deeper Soil Types: weathered bedrock
clay loam

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
LA USD LINCOLN HS FINDS: Other Standard Environmental Records RCRA-SQG: Federal RCRA generators list ECHO: Other Standard Environmental Records	3501 N BROADWAY	Property	▲ A2	12
LAUSD/LINCOLN HS HAZNET: Other Standard Environmental Records	3501 N BROADWAY	Property	▲ A3	15
LAUSD - LINCOLN HIGH SCHOOL FINDS: Other Standard Environmental Records	3501 N BROADWAY	Property	▲ A4	18
WINALL OIL COMPANY #3 LUST: State and tribal leaking storage tank lists	3200 BROADWAY	1/10 - 1/3 WSW	▼ E15	29
SELVIAN AUTOMOTIVE LUST: State and tribal leaking storage tank lists	3979 MISSION RD N	1/10 - 1/3 ESE	▲ F16	33
FOUA D N DAGHER LUST: State and tribal leaking storage tank lists HIST CORTESE: Other Standard Environmental Records	3130 BROADWAY N	1/10 - 1/3 WSW	▼ 17	40
LOS ANGELES CITY-MISSION & BRO WMUDS/SWAT: Other Standard Environmental Records	NE OF MISSION RD & N BROADWAY	1/10 - 1/3 E	▲ F18	51
MISSION BROADWAY APARTMENTS LUST: State and tribal leaking storage tank lists HIST CORTESE: Other Standard Environmental Records	4001 MISSION RD	1/10 - 1/3 E	▲ F19	53
MISSION BROADWAY APARTMENTS LUST: State and tribal leaking storage tank lists	4001 MISSION RD	1/10 - 1/3 E	▲ F20	55
MACY'S WEST HIST CORTESE: Other Standard Environmental Records	3880 MISSION	1/10 - 1/3 SE	▼ G21	57
MACY'S WEST LUST: State and tribal leaking storage tank lists	3880 MISSION RD N	1/10 - 1/3 SE	▼ G22	58
A C S MISSION PROPERTY LUST: State and tribal leaking storage tank lists	3801 MISSION RD.	1/10 - 1/3 SSE	▼ 23	61

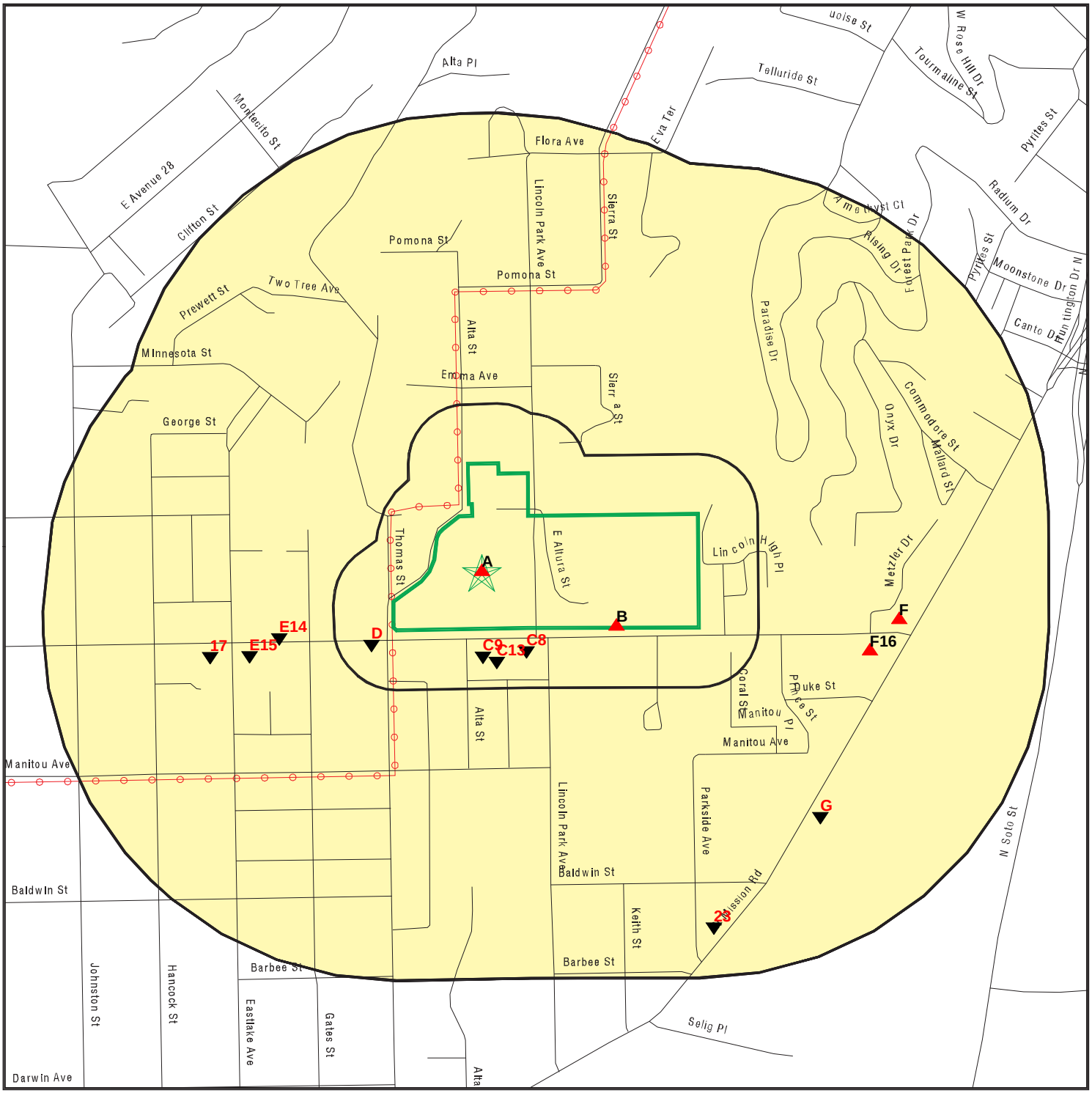
HISTORICAL USE RECORDS

Name	Address	Dist/Dir	Map ID	Page
DE ANGELIS BROS	3501 N BROADWAY	Property	▲ A1	11

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
EDR Hist Auto: Historical Gas Stations				
BRIGHT JESSIE EDR Hist Cleaner: Historical Dry Cleaners	3527 N BROADWAY	<1/10 ESE	▲ B5	19
MARKS GEO EDR Hist Auto: Historical Gas Stations	3601 N BROADWAY	<1/10 ESE	▲ B6	20
LLOYD D H EDR Hist Cleaner: Historical Dry Cleaners	3525 N BROADWAY	<1/10 ESE	▲ B7	21
BRIGHT J E MRS EDR Hist Cleaner: Historical Dry Cleaners	3520 N BROADWAY	<1/10 SSE	▼ C8	22
AL BUTCH SERVICE STATION EDR Hist Auto: Historical Gas Stations	3500 N BROADWAY	<1/10 S	▼ C9	23
CASPARY J C EDR Hist Auto: Historical Gas Stations	3334 N BROADWAY	<1/10 WSW	▼ D10	24
SHIRES MILLER EDR Hist Auto: Historical Gas Stations	3330 N BROADWAY	<1/10 WSW	▼ D11	25
SCHILLING W F EDR Hist Auto: Historical Gas Stations	3324 N BROADWAY	<1/10 WSW	▼ D12	26
LLOYD F D EDR Hist Cleaner: Historical Dry Cleaners	3510 N BROADWAY	<1/10 S	▼ C13	27
ANSWORAN L A EDR Hist Cleaner: Historical Dry Cleaners	3219 N BROADWAY	1/10 - 1/3 WSW	▼ E14	28

PRIMARY MAP - 4965983.9S



0 300 1/3 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Areas of Concern

SITE NAME: 3501 N. Broadway	CLIENT: Alisto Engineering Group
ADDRESS: 3501 N. Broadway Los Angeles CA 90031	CONTACT: AL Sevilla
LAT/LONG: 34.074734 / -118.203647	INQUIRY #: 4965983.9s
	DATE: June 27, 2017 8:32 am

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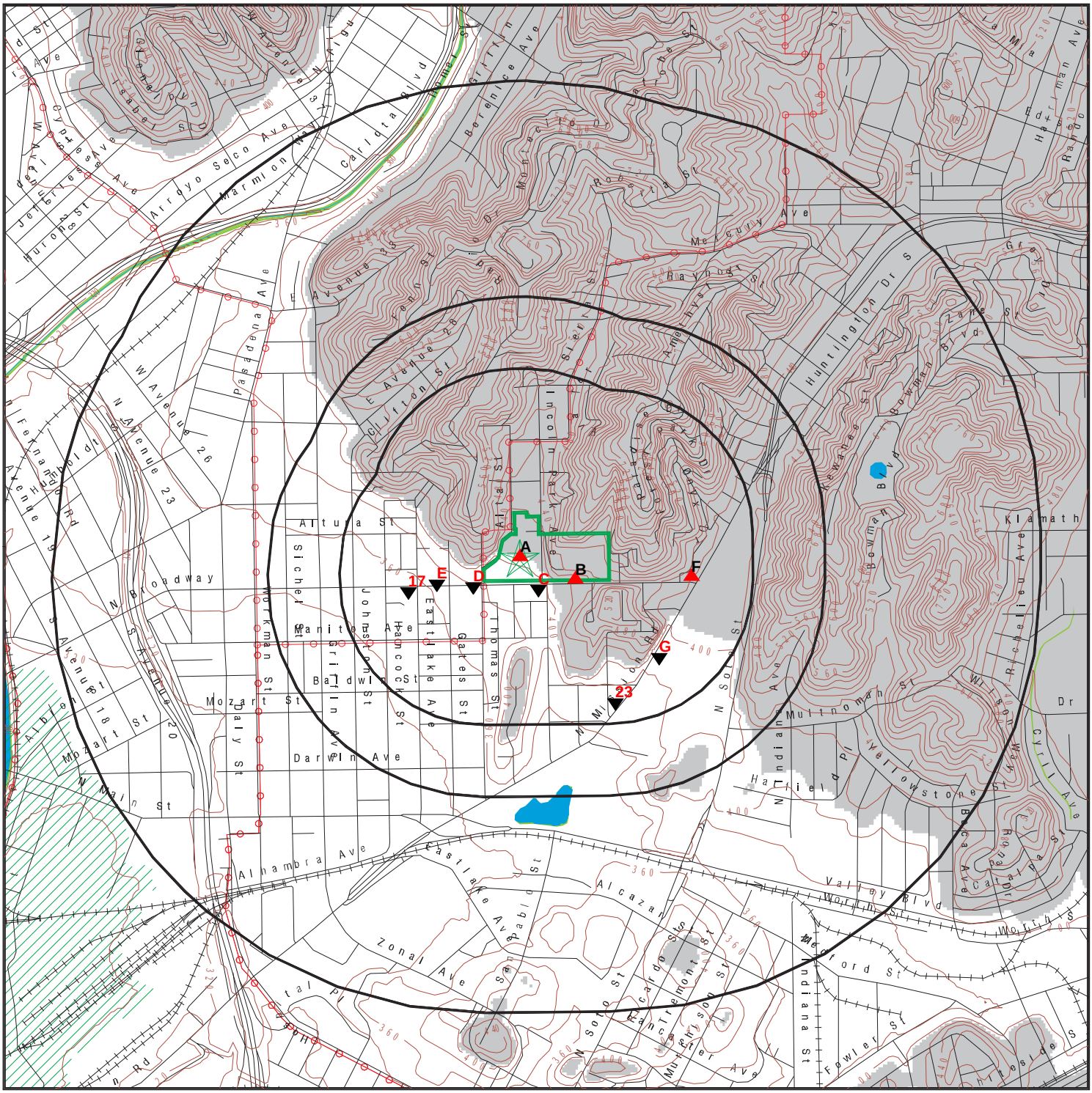
SECONDARY MAP - 4965983.9S


A
B
C
D
E
F
G
17
23
Altura St
Sichel St
Workman St
Johnston St
Hancock St
Eastlake Ave
Gates St
Thomas St
Griffin Ave
Bardwell St
Darwin Ave
Mozart St
Daly St
N Broadway
N Main St
Alhambra Ave
Zonal Ave
Pasadena Ave
Marmion Way
Arroyo Seco Ave
Carlotta Blvd
Berenice Ave
Griffin Ave
Mercury Ave
Huntington Dr S
Bowman Blvd
Klamath
Muirhead Ave
Muirhead Dr
Lincoln Park Ave
Mission Rd
N Soto St
Muntnomah St
Yellowstone St
Valley Blvd
Mission Rd
Fowler St
Hillside St
Cyril Ave
Rochelle Ave
Avocado St
Alcazar St
Pablo St
Fremont St
Eancho St
Mutnomah St
Indiana St
Wilson St
Hartford St
Hartford Dr
Hartford Ave
Rancho
Gray
Zane St
Kewanee St
Amethyst St
Raymond St
Robinia St
Manzanita St
Fern St
Clifton St
E Avenue 33
E Avenue 28
W Avenue 26
N Avenue 23
Avenue 19
Avenue 18
Avenue 17
Avenue 20
Avenue 41
Albion St
Huron St
Jeffries Ave
Cypress Ave
Isabel St
Glenn St
Fernando Rd
Hillside Rd
Hillside Dr
Hillside St
Hillside Ave
Hillside Pl

AERIAL PHOTOGRAPHY - 4965983.9s

0 300 1/3 1/2 Miles

N

SITE NAME:	3501 N. Broadway	CLIENT:	Alisto Engineering Group
ADDRESS:	3501 N. Broadway Los Angeles CA 90031	CONTACT:	AL Sevilla
		INQUIRY #:	4965983.9s
LAT/LONG:	34.074734 / -118.203647	DATE:	June 27, 2017 8:33 am

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LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**			EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:

Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

DE ANGELIS BROS 3501 N BROADWAY, LOS ANGELES, CA,			1009079915
▲ A1	Target Property 405 ft. Above Sea Level		Historical Gas Stations

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

EDR Hist Auto: Historical Gas Stations

Year:	Name:	Type:
1929	DE ANGELIS BROS:	GASOLINE AND OIL SERVICE STATION
1933	DE ANGELIS BROS:	GASOLINE AND OIL SERVICE STATIONS

EDR Historical Auto Stations:

Name:	DE ANGELIS BROS
Year:	1929
Type:	GASOLINE AND OIL SERVICE STATION
Name:	DE ANGELIS BROS
Year:	1933
Type:	GASOLINE AND OIL SERVICE STATIONS

EDR Hist Auto:

Year:	Name:	Type:
1929	DE ANGELIS BROS:	GASOLINE AND OIL SERVICE STATION
1933	DE ANGELIS BROS:	GASOLINE AND OIL SERVICE STATIONS

LA USD LINCOLN HS 3501 N BROADWAY, LOS ANGELES, CA, 90031		1000427640
▲ A2	Target Property 405 ft. Above Sea Level	Federal RCRA generators list Other Records

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

FINDS: Other Records

Registry ID: 110002729174

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

The FINDS database contains 0 additional records for this site. Please contact your EDR Account Executive for more information.

RCRA-SQG: Federal RCRA generators list

Date form received by agency:	03/31/2004
Facility name:	LAUSD--LINCOLN HS
Facility address:	3501 N. BROADWAY LOS ANGELES, CA 90031
EPA ID:	CAD981625825
Mailing address:	333 S. BEAUDRY AVE. 20TH FL LOS ANGELES, CA 90017
Contact:	SOE AUNG
Contact address:	Not Reported
Contact country:	US
Contact telephone:	(213) 241-3199
Contact email:	SOE.AUNG@LAUSD. NET
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999

LA USD LINCOLN HS, 3501 N BROADWAY, LOS ANGELES, CA 90031 (Continued)

Owner/operator country:	Not Reported
Owner/operator telephone:	(415) 555-1212
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	Not Reported
Owner/Op end date:	Not Reported

Owner/operator name:	LA USD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not Reported
Owner/operator telephone:	(415) 555-1212
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	Not Reported
Owner/Op end date:	Not Reported

Owner/operator name:	LAUSD
Owner/operator address:	Not Reported
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2003
Owner/Op end date:	Not Reported

Owner/operator name:	LAUSD
Owner/operator address:	333 S. BEAUDRY AVE. 20TH FL LOS ANGELES, CA 90017
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2003
Owner/Op end date:	Not Reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

LA USD LINCOLN HS, 3501 N BROADWAY, LOS ANGELES, CA 90031 (Continued)

Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	03/31/2004
Site name:	LAUSD--LINCOLN HS
Classification:	Large Quantity Generator
. Waste code:	D008
. Waste name:	LEAD
Date form received by agency:	01/27/1986
Site name:	LA USD LINCOLN HS
Classification:	Small Quantity Generator
Violation Status:	No violations found

ECHO: Other Records

Envid:	1000427640
Registry ID:	110002729174
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002729174

LAUSD/LINCOLN HS 3501 N BROADWAY, LOS ANGELES, CA, 900310000		S113008160
▲ A3	Target Property 405 ft. Above Sea Level	Other Records

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

HAZNET: Other Records

envid:	S113008160
Year:	2014
GEPAID:	CAD981625825
Contact:	PAT SCHAENEN
Telephone:	2132413921
Mailing Name:	Not Reported
Mailing Address:	496 S BEAUDRY AVE FL 28
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	33.712
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2014
GEPAID:	CAD981625825
Contact:	PAT SCHAENEN
Telephone:	2132413921
Mailing Name:	Not Reported
Mailing Address:	496 S BEAUDRY AVE FL 28
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.55
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2012
GEPAID:	CAD981625825

LAUSD/LINCOLN HS, 3501 N BROADWAY, LOS ANGELES, CA 900310000 (Continued)

Contact:	SOE AUNG
Telephone:	2137455939
Mailing Name:	Not Reported
Mailing Address:	333 S BEAUNDRY AVE 28TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not Reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.243
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2012
GEPAID:	CAD981625825
Contact:	SOE AUNG
Telephone:	2137455939
Mailing Name:	Not Reported
Mailing Address:	333 S BEAUNDRY AVE 28TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not Reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Los Angeles

envid:	S113008160
Year:	2011
GEPAID:	CAD981625825
Contact:	SOE AUNG / ECM
Telephone:	2132413199
Mailing Name:	Not Reported
Mailing Address:	333 S BEAUDRY AVE FL 27
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Not Reported
TSD EPA ID:	CAD028409019
TSD County:	Not Reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.03
Cat Decode:	Not Reported
Method Decode:	Not Reported
Facility County:	Los Angeles

LAUSD/LINCOLN HS, 3501 N BROADWAY, LOS ANGELES, CA 900310000 (Continued)

The CA_HAZNET database contains 41 additional records for this site. Please contact your EDR Account Executive for more information.

LAUSD - LINCOLN HIGH SCHOOL 3501 N BROADWAY, LOS ANGELES, CA, 90031		1023287923
▲ A4	Target Property 405 ft. Above Sea Level	Other Records

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

FINDS: Other Records

Registry ID: 110065791325

Environmental Interest/Information System:

STATE MASTER

The FINDS database contains 0 additional records for this site. Please contact your EDR Account Executive for more information.

BRIGHT JESSIE 3527 N BROADWAY, LOS ANGELES, CA,			1009192357
▲ B5	ESE <1/10	(0 ft. / 0 mi.)	Historical Dry Cleaners
	22 ft. Higher Elevation	427 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

EDR Hist Cleaner: Historical Dry Cleaners

Year:	Name:	Type:
1933	BRIGHT JESSIE:	CLOTHES PRESSERS AND CLEANERS

EDR Historical Cleaners:

Name:	BRIGHT JESSIE
Year:	1933
Type:	CLOTHES PRESSERS AND CLEANERS

EDR Hist Cleaner:

Year:	Name:	Type:
1933	BRIGHT JESSIE:	CLOTHES PRESSERS AND CLEANERS

MARKS GEO 3601 N BROADWAY, LOS ANGELES, CA,			1009077834
▲ B6	ESE <1/10	(0 ft. / 0 mi.)	Historical Gas Stations
	25 ft. Higher Elevation	430 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

EDR Hist Auto: Historical Gas Stations

Year:	Name:	Type:
1924	MARKS GEO:	AUTOMOBILE SERVICE STATIONS

EDR Historical Auto Stations:

Name:	MARKS GEO
Year:	1924
Type:	AUTOMOBILE SERVICE STATIONS

EDR Hist Auto:

Year:	Name:	Type:
1924	MARKS GEO:	AUTOMOBILE SERVICE STATIONS

LLOYD D H 3525 N BROADWAY, LOS ANGELES, CA,			1009188321
▲ B7	ESE <1/10	(0 ft. / 0 mi.)	Historical Dry Cleaners
	22 ft. Higher Elevation	427 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

EDR Hist Cleaner: Historical Dry Cleaners

Year:	Name:	Type:
1924	LLOYD D H:	CLOTHES CLEANERS PRESSERS AND DYERS
1929	LLOYD F D:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

EDR Historical Cleaners:

Name:	LLOYD D H
Year:	1924
Type:	CLOTHES CLEANERS PRESSERS AND DYERS
Name:	LLOYD F D
Year:	1929
Type:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

EDR Hist Cleaner:

Year:	Name:	Type:
1924	LLOYD D H:	CLOTHES CLEANERS PRESSERS AND DYERS
1929	LLOYD F D:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

BRIGHT J E MRS 3520 N BROADWAY, LOS ANGELES, CA,			1009188388
▼ C8	SSE <1/10	(114 ft. / 0.022 mi.)	Historical Dry Cleaners
	10 ft. Lower Elevation	395 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Cleaner: Historical Dry Cleaners

Year:	Name:	Type:
1929	BRIGHT J E MRS:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

EDR Historical Cleaners:

Name:	BRIGHT J E MRS
Year:	1929
Type:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

EDR Hist Cleaner:

Year:	Name:	Type:
1929	BRIGHT J E MRS:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

AL BUTCH SERVICE STATION 3500 N BROADWAY, LOS ANGELES, CA,			1009082336
▼ C9	S <1/10	(137 ft. / 0.026 mi.)	Historical Gas Stations
	15 ft. Lower Elevation	390 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Auto: Historical Gas Stations

Year:	Name:	Type:
1942	AL BUTCH SERVICE STATION:	GASOLINE AND OIL SERVICE STATIONS

EDR Historical Auto Stations:

Name:	AL BUTCH SERVICE STATION
Year:	1942
Type:	GASOLINE AND OIL SERVICE STATIONS

EDR Hist Auto:

Year:	Name:	Type:
1942	AL BUTCH SERVICE STATION:	GASOLINE AND OIL SERVICE STATIONS

CASPARY J C 3334 N BROADWAY, LOS ANGELES, CA,			1009078020
▼ D10	WSW <1/10	(141 ft. / 0.027 mi.)	Historical Gas Stations
	27 ft. Lower Elevation	378 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Auto: Historical Gas Stations

Year:	Name:	Type:
1937	CASPARY J C:	AUTOMOBILE REPAIRING

EDR Historical Auto Stations:

Name:	CASPARY J C
Year:	1937
Type:	AUTOMOBILE REPAIRING

EDR Hist Auto:

Year:	Name:	Type:
1937	CASPARY J C:	AUTOMOBILE REPAIRING

SHIRES MILLER 3330 N BROADWAY, LOS ANGELES, CA,			1009079329
▼ D11	WSW <1/10	(145 ft. / 0.027 mi.)	Historical Gas Stations
	27 ft. Lower Elevation	378 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Auto: Historical Gas Stations

Year:	Name:	Type:
1929	SHIRES MILLER:	GASOLINE AND OIL SERVICE STATION
1933	HAWKINS C P:	GASOLINE AND OIL SERVICE STATIONS
1937	SPRINGER FRANK:	GASOLINE AND OIL SERVICE STATIONS
1942	HOLLISTER G W:	GASOLINE AND OIL SERVICE STATIONS

EDR Historical Auto Stations:

Name: SHIRES MILLER
Year: 1929
Type: GASOLINE AND OIL SERVICE STATION

Name: HAWKINS C P
Year: 1933
Type: GASOLINE AND OIL SERVICE STATIONS

Name: SPRINGER FRANK
Year: 1937
Type: GASOLINE AND OIL SERVICE STATIONS

Name: HOLLISTER G W
Year: 1942
Type: GASOLINE AND OIL SERVICE STATIONS

EDR Hist Auto:

Year:	Name:	Type:
1929	SHIRES MILLER:	GASOLINE AND OIL SERVICE STATION
1933	HAWKINS C P:	GASOLINE AND OIL SERVICE STATIONS
1937	SPRINGER FRANK:	GASOLINE AND OIL SERVICE STATIONS
1942	HOLLISTER G W:	GASOLINE AND OIL SERVICE STATIONS

SCHILLING W F 3324 N BROADWAY, LOS ANGELES, CA,			1009079491
▼ D12	WSW <1/10	(155 ft. / 0.029 mi.)	Historical Gas Stations
	27 ft. Lower Elevation	378 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Auto: Historical Gas Stations

Year:	Name:	Type:
1933	CASPARY J A:	AUTOMOBILE REPAIRING
1942	SCHILLING W F:	AUTOMOBILE REPAIRING
1971	CHUY JESUS:	Not Reported
1972	CHUY JESUS:	Not Reported
1973	CHUY JESUS:	Not Reported

EDR Historical Auto Stations:

Name:	CASPARY J A
Year:	1933
Type:	AUTOMOBILE REPAIRING
Name:	SCHILLING W F
Year:	1942
Type:	AUTOMOBILE REPAIRING

EDR Hist Auto:

Year:	Name:	Type:
1933	CASPARY J A:	AUTOMOBILE REPAIRING
1942	SCHILLING W F:	AUTOMOBILE REPAIRING
1971	CHUY JESUS:	Not Reported
1972	CHUY JESUS:	Not Reported
1973	CHUY JESUS:	Not Reported

LLOYD F D 3510 N BROADWAY, LOS ANGELES, CA,			1009189888
▼ C13	S <1/10	(165 ft. / 0.031 mi.)	Historical Dry Cleaners
	15 ft. Lower Elevation	390 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Cleaner: Historical Dry Cleaners

Year:	Name:	Type:
1933	LLOYD F D:	CLOTHES PRESSERS AND CLEANERS
1937	LLOYD F D:	CLOTHES PRESSERS AND CLEANERS

EDR Historical Cleaners:

Name:	LLOYD F D
Year:	1933
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	LLOYD F D
Year:	1937
Type:	CLOTHES PRESSERS AND CLEANERS

EDR Hist Cleaner:

Year:	Name:	Type:
1933	LLOYD F D:	CLOTHES PRESSERS AND CLEANERS
1937	LLOYD F D:	CLOTHES PRESSERS AND CLEANERS

ANSWORAN L A 3219 N BROADWAY, LOS ANGELES, CA,			1009188747
▼ E14	WSW 1/10 - 1/3	(578 ft. / 0.109 mi.)	Historical Dry Cleaners
	43 ft. Lower Elevation	362 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

EDR Hist Cleaner: Historical Dry Cleaners

Year:	Name:	Type:
1924	ANSWORAN L A:	CLOTHES CLEANERS PRESSERS AND DYERS

EDR Historical Cleaners:

Name:	ANSWORAN L A
Year:	1924
Type:	CLOTHES CLEANERS PRESSERS AND DYERS

EDR Hist Cleaner:

Year:	Name:	Type:
1924	ANSWORAN L A:	CLOTHES CLEANERS PRESSERS AND DYERS

WINALL OIL COMPANY #3 3200 BROADWAY, LOS ANGELES, CA, 90031			S109284130
▼ E15	WSW 1/10 - 1/3	(738 ft. / 0.14 mi.)	State and tribal leaking storage tank lists
	47 ft. Lower Elevation	358 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

LUST: State and tribal leaking storage tank lists

Region:	STATE
Global Id:	T0603784346
Latitude:	34.073509
Longitude:	-118.20749
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	12/23/2010
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310389
LOC Case Number:	23645
File Location:	Regional Board
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LUST_ST&global_id=T0603784346

Contact:

Global Id:	T0603784346
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Global Id:	T0603784346
Contact Type:	Local Agency Caseworker
Contact Name:	PATRICK KILLIAN
Organization Name:	LOS ANGELES, CITY OF
Address:	221 N FIGUEROA ST STE 1500
City:	LOS ANGELES
Email:	Not Reported
Phone Number:	2134826527

Status History:

WINALL OIL COMPANY #3, 3200 BROADWAY, LOS ANGELES, CA 90031 (Continued)

Global Id:	T0603784346
Status:	Open - Case Begin Date
Status Date:	09/19/1997

Global Id:	T0603784346
Status:	Open - Remediation
Status Date:	12/23/2010

Global Id:	T0603784346
Status:	Open - Site Assessment
Status Date:	01/09/1998

Regulatory Activities:

Global Id:	T0603784346
Action Type:	ENFORCEMENT
Date:	12/23/2010
Action:	Staff Letter

Global Id:	T0603784346
Action Type:	RESPONSE
Date:	11/06/2008
Action:	Other Report / Document

Global Id:	T0603784346
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually

Global Id:	T0603784346
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually

Global Id:	T0603784346
Action Type:	ENFORCEMENT
Date:	10/06/2008
Action:	Staff Letter

Global Id:	T0603784346
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly

Global Id:	T0603784346
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually

Global Id:	T0603784346
Action Type:	RESPONSE
Date:	03/20/2009
Action:	Well Installation Report

Global Id:	T0603784346

WINALL OIL COMPANY #3, 3200 BROADWAY, LOS ANGELES, CA 90031 (Continued)

Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	Other
Date:	09/19/1997
Action:	Leak Discovery
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	07/23/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	10/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	04/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603784346
Action Type:	Other
Date:	01/09/1998
Action:	Leak Reported
Global Id:	T0603784346

WINALL OIL COMPANY #3, 3200 BROADWAY, LOS ANGELES, CA 90031 (Continued)

Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603784346
Action Type:	RESPONSE
Date:	06/29/2009
Action:	Pilot Study/ Treatability Report

SELVIAN AUTOMOTIVE 3979 MISSION RD N, LOS ANGELES, CA, 90031			S104581641
▲ F16	ESE 1/10 - 1/3	(867 ft. / 0.164 mi.)	State and tribal leaking storage tank lists
	17 ft. Higher Elevation	422 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

LUST: State and tribal leaking storage tank lists

Region:	STATE
Global Id:	T0603793069
Latitude:	34.075732
Longitude:	-118.195584
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	09/26/2013
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310334
LOC Case Number:	7731
File Location:	Not Reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LUST_ST&global_id=T0603793069

Contact:

Global Id:	T0603793069
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603793069
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not Reported
Phone Number:	2134826528

Status History:

SELVIAN AUTOMOTIVE, 3979 MISSION RD N, LOS ANGELES, CA 90031 (Continued)

Global Id:	T0603793069
Status:	Open - Case Begin Date
Status Date:	03/25/1999
Global Id:	T0603793069
Status:	Open - Remediation
Status Date:	09/26/2013
Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	01/27/2000
Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	07/29/2004
Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	11/16/2004
Global Id:	T0603793069
Status:	Open - Site Assessment
Status Date:	12/23/2004

Regulatory Activities:

Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	03/30/2012
Action:	Staff Letter
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/29/2004
Action:	Soil and Water Investigation Workplan
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually

SELVIAN AUTOMOTIVE, 3979 MISSION RD N, LOS ANGELES, CA 90031 (Continued)

Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	05/04/2007
Action:	Well Installation Report
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	09/26/2013
Action:	Staff Letter
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	11/15/2013
Action:	Other Report / Document

SELVIAN AUTOMOTIVE, 3979 MISSION RD N, LOS ANGELES, CA 90031 (Continued)

Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Soil and Water Investigation Workplan
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	Other
Date:	03/25/1999
Action:	Leak Stopped
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	10/03/2014
Action:	Staff Letter
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603793069
Action Type:	Other
Date:	01/27/2000
Action:	Leak Reported
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly

SELVIAN AUTOMOTIVE, 3979 MISSION RD N, LOS ANGELES, CA 90031 (Continued)

Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Corrective Action Plan / Remedial Action Plan - Addendum
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	09/29/2014
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	05/25/2004
Action:	Staff Letter
Global Id:	T0603793069
Action Type:	ENFORCEMENT
Date:	07/28/2014
Action:	Staff Letter
Global Id:	T0603793069
Action Type:	Other
Date:	03/25/1999
Action:	Leak Discovery
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	12/23/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603793069
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Soil and Water Investigation Report

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310334
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not Reported

SELVIAN AUTOMOTIVE, 3979 MISSION RD N, LOS ANGELES, CA 90031 (Continued)

Local Case No:	7731
Case Type:	Soil
Abatement Method Used at the Site:	OT
Global ID:	T0603793069
W Global ID:	Not Reported
Staff:	JW
Local Agency:	19050
Cross Street:	N. BROADWAY
Enforcement Type:	SEL
Date Leak Discovered:	3/25/1999
Date Leak First Reported:	1/27/2000
Date Leak Record Entered:	Not Reported
Date Confirmation Began:	Not Reported
Date Leak Stopped:	3/25/1999
Date Case Last Changed on Database:	1/27/2000
Date the Case was Closed:	Not Reported
How Leak Discovered:	Repair Tank
How Leak Stopped:	Not Reported
Cause of Leak:	UNK
Leak Source:	Tank
Operator:	AIDA SELVIAN
Water System:	Not Reported
Well Name:	Not Reported
Approx. Dist To Production Well (ft):	12426.772068227040364410611683
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	1/27/2000
Preliminary Site Assessment Began:	Not Reported
Pollution Characterization Began:	7/29/2004
Remediation Plan Submitted:	Not Reported
Remedial Action Underway:	Not Reported
Post Remedial Action Monitoring Began:	Not Reported
Enforcement Action Date:	Not Reported
Historical Max MTBE Date:	Not Reported
Hist Max MTBE Conc in Groundwater:	Not Reported
Hist Max MTBE Conc in Soil:	Not Reported
Significant Interim Remedial Action Taken:	Not Reported
GW Qualifier:	Not Reported
Soil Qualifier:	Not Reported
Organization:	Not Reported
Owner Contact:	Not Reported
Responsible Party:	AIDA SELVIAN
RP Address:	1886 VERDUGO LOMA DR., GLENDALE, CA 91208
Program:	LUST
Lat/Long:	34.075732 / -1
Local Agency Staff:	Not Reported
Beneficial Use:	Not Reported
Priority:	Not Reported

SELVIAN AUTOMOTIVE, 3979 MISSION RD N, LOS ANGELES, CA 90031 (Continued)

Cleanup Fund Id:	Not Reported
Suspended:	Not Reported
Assigned Name:	Not Reported
Summary:	Not Reported

FOUA D N DAGHER 3130 BROADWAY N, MONTECITO HEIGHTS, CA, 90031			S104159587
▼ 17	WSW 1/10 - 1/3	(934 ft. / 0.177 mi.)	State and tribal leaking storage tank lists Other Records
	50 ft. Lower Elevation	355 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

LUST: State and tribal leaking storage tank lists

Region:	STATE
Global Id:	T0603700808
Latitude:	34.0736467
Longitude:	-118.2087541
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	02/23/2016
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	MB
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310270
LOC Case Number:	Not Reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LUST_ST&global_id=T0603700808

Contact:

Global Id:	T0603700808
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not Reported

Global Id:	T0603700808
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

Status History:

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Global Id:	T0603700808
Status:	Open - Case Begin Date
Status Date:	09/21/1988
Global Id:	T0603700808
Status:	Open - Remediation
Status Date:	10/16/2008
Global Id:	T0603700808
Status:	Open - Remediation
Status Date:	02/23/2016
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	06/18/1989
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	05/16/2002
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	01/03/2003
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	05/16/2003
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	08/11/2004
Global Id:	T0603700808
Status:	Open - Site Assessment
Status Date:	07/11/2007

Regulatory Activities:

Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	06/17/2002
Action:	Staff Letter
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/09/2009
Action:	Well Installation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	08/16/2002

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Preliminary Site Assessment Workplan
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	02/13/2003
Action:	File review
Global Id:	T0603700808
Action Type:	Other
Date:	09/21/1988
Action:	Leak Discovery
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/19/2012
Action:	Pilot Study / Treatability Workplan
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Remedial Progress Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2009

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/11/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	09/17/2009
Action:	Well Installation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2016
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2011

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	02/01/2012
Action:	Soil and Water Investigation Workplan
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	12/19/2011
Action:	Well Installation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2016
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	05/19/2011
Action:	Staff Letter
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2012

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2017
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	02/23/2016
Action:	Staff Letter
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	Other
Date:	06/19/1989
Action:	Leak Reported
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	08/20/2012
Action:	Site Assessment Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2012

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	01/08/2016
Action:	File review
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	12/23/2004
Action:	Well Installation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	06/14/2013
Action:	Risk Assessment Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/18/2013
Action:	CAP/RAP - Other Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	12/10/2012
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	12/09/2013

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603700808
Action Type:	ENFORCEMENT
Date:	03/11/2003
Action:	Staff Letter
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	11/22/2013
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2005

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	09/23/2002
Action:	Other Report / Document
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	04/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	05/22/2014
Action:	Well Installation Report
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0603700808
Action Type:	REMEDIATION
Date:	07/24/2006
Action:	Free Product Removal
Global Id:	T0603700808
Action Type:	REMEDIATION
Date:	11/13/2007
Action:	Soil Vapor Extraction (SVE)

LUST REG 4:

Region:	4

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

Regional Board:	04
County:	Los Angeles
Facility Id:	900310270
Status:	Preliminary site assessment underway
Substance:	Gasoline
Substance Quantity:	Not Reported
Local Case No:	Not Reported
Case Type:	Soil
Abatement Method Used at the Site:	Not Reported
Global ID:	T0603700808
W Global ID:	Not Reported
Staff:	MB
Local Agency:	19050
Cross Street:	FASTLAKE
Enforcement Type:	SEL
Date Leak Discovered:	9/21/1988
Date Leak First Reported:	6/19/1989
Date Leak Record Entered:	12/10/1991
Date Confirmation Began:	6/18/1989
Date Leak Stopped:	Not Reported
Date Case Last Changed on Database:	9/10/2002
Date the Case was Closed:	Not Reported
How Leak Discovered:	OM
How Leak Stopped:	Not Reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not Reported
Water System:	Not Reported
Well Name:	Not Reported
Approx. Dist To Production Well (ft):	12136.8808088859159017850424 15
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	5/16/2002
Preliminary Site Assessment Began:	1/3/2003
Pollution Characterization Began:	Not Reported
Remediation Plan Submitted:	Not Reported
Remedial Action Underway:	Not Reported
Post Remedial Action Monitoring Began:	Not Reported
Enforcement Action Date:	Not Reported
Historical Max MTBE Date:	Not Reported
Hist Max MTBE Conc in Groundwater:	Not Reported
Hist Max MTBE Conc in Soil:	23000
Significant Interim Remedial Action Taken:	Not Reported
GW Qualifier:	Not Reported
Soil Qualifier:	=
Organization:	Not Reported
Owner Contact:	Not Reported
Responsible Party:	FREDERICK E. PINEDA

FOUA D N DAGHER, 3130 BROADWAY N, MONTECITO HEIGHTS, CA 90031 (Continued)

RP Address:	2255 N. ONTARIO ST.
Program:	LUST
Lat/Long:	34.0736467 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not Reported
Priority:	Not Reported
Cleanup Fund Id:	Not Reported
Suspended:	Not Reported
Assigned Name:	Not Reported
Summary:	LEAK DETECTOR INVESTIGATION REVEALED CONTAMINATION

HIST CORTESE: Other Records

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900310270

LOS ANGELES CITY-MISSION & BRO NE OF MISSION RD & N BROADWAY, LOS ANGELES, CA,			S103441483
▲ F18	E 1/10 - 1/3	(1006 ft. / 0.191 mi.)	Other Records
	16 ft. Higher Elevation	421 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

WMUDS/SWAT: Other Records

Edit Date:	Not Reported
Complexity:	Not Reported
Primary Waste:	Not Reported
Primary Waste Type:	Not Reported
Secondary Waste:	Not Reported
Secondary Waste Type:	Not Reported
Base Meridian:	Not Reported
NPID:	Not Reported
Tonnage:	0
Regional Board ID:	Not Reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not Reported
Agency Name:	CITY OF LOS ANGELES
Agency Department:	Not Reported
Agency Address:	Not Reported
Agency City,St,Zip:	Not Reported
Agency Contact:	Not Reported
Agency Telephone:	Not Reported
Land Owner Name:	Not Reported
Land Owner Address:	Not Reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not Reported
Land Owner Phone:	Not Reported
Region:	4
Facility Type:	Not Reported
Facility Description:	Not Reported
Facility Telephone:	Not Reported
SWAT Facility Name:	Not Reported
Primary SIC:	Not Reported
Secondary SIC:	Not Reported
Comments:	Not Reported
Last Facility Editors:	Not Reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False

LOS ANGELES CITY-MISSION & BRO, NE OF MISSION RD & N BROADWAY, LOS ANGELES, CA (Continued)

Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CITY OF LOS ANGELES
Threat to Water Quality:	Not Reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not Reported
RCRA Facility:	Not Reported
Waste Discharge Requirements:	Not Reported
Self-Monitoring Rept. Frequency:	Not Reported
Waste Discharge System ID:	4 190234NUR
Solid Waste Information ID:	Not Reported

MISSION BROADWAY APARTMENTS 4001 MISSION RD, MONTECITO HEIGHTS, CA, 90031			S105024653
▲ F19	E 1/10 - 1/3	(1013 ft. / 0.192 mi.)	State and tribal leaking storage tank lists Other Records
	15 ft. Higher Elevation	420 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

LUST: State and tribal leaking storage tank lists

Region:	STATE
Global Id:	T0603700786
Latitude:	34.0739336
Longitude:	-118.1965527
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/30/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310043
LOC Case Number:	Not Reported
File Location:	Not Reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LUST_ST&global_id=T0603700786

Contact:

Global Id:	T0603700786
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not Reported

Global Id:	T0603700786
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not Reported

Status History:

MISSION BROADWAY APARTMENTS, 4001 MISSION RD, MONTECITO HEIGHTS, CA 90031 (Continued)

Global Id:	T0603700786
Status:	Completed - Case Closed
Status Date:	07/30/1996
Global Id:	T0603700786
Status:	Open - Case Begin Date
Status Date:	05/06/1992
Global Id:	T0603700786
Status:	Open - Remediation
Status Date:	05/10/1995
Global Id:	T0603700786
Status:	Open - Site Assessment
Status Date:	03/04/1994

Regulatory Activities:

Global Id:	T0603700786
Action Type:	Other
Date:	05/06/1992
Action:	Leak Reported

HIST CORTESE: Other Records

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900310043

MISSION BROADWAY APARTMENTS 4001 MISSION RD, MONTECITO HEIGHTS, CA, 90031			S101297155
▲ F20	E 1/10 - 1/3	(1013 ft. / 0.192 mi.)	State and tribal leaking storage tank lists
	15 ft. Higher Elevation	420 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

LUST REG 4: State and tribal leaking storage tank lists

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310043
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not Reported
Local Case No:	Not Reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Excavate and Treat
Global ID:	T0603700786
W Global ID:	Not Reported
Staff:	UNK
Local Agency:	19050
Cross Street:	BROADWAY
Enforcement Type:	Not Reported
Date Leak Discovered:	Not Reported
Date Leak First Reported:	5/6/1992
Date Leak Record Entered:	5/11/1992
Date Confirmation Began:	Not Reported
Date Leak Stopped:	Not Reported
Date Case Last Changed on Database:	8/29/1996
Date the Case was Closed:	7/30/1996
How Leak Discovered:	Not Reported
How Leak Stopped:	Not Reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not Reported
Water System:	Not Reported
Well Name:	Not Reported
Approx. Dist To Production Well (ft):	13101.198423513591648940052838
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not Reported
Preliminary Site Assessment Began:	Not Reported
Pollution Characterization Began:	3/4/1994
Remediation Plan Submitted:	5/10/1995
Remedial Action Underway:	Not Reported

MISSION BROADWAY APARTMENTS, 4001 MISSION RD, MONTECITO HEIGHTS, CA 90031 (Continued)

Post Remedial Action Monitoring Began:	Not Reported
Enforcement Action Date:	Not Reported
Historical Max MTBE Date:	Not Reported
Hist Max MTBE Conc in Groundwater:	Not Reported
Hist Max MTBE Conc in Soil:	Not Reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not Reported
Soil Qualifier:	Not Reported
Organization:	Not Reported
Owner Contact:	Not Reported
Responsible Party:	MBA URBAN DEVELOPMENT CO
RP Address:	1101 LUCAS AVE, SAINT LOUIS MO 63101-1179
Program:	LUST
Lat/Long:	34.0739336 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not Reported
Priority:	Not Reported
Cleanup Fund Id:	Not Reported
Suspended:	Not Reported
Assigned Name:	Not Reported
Summary:	Not Reported

MACY'S WEST 3880 MISSION, LOS ANGELES, CA, 90031			S105024652
▼ G21	SE 1/10 - 1/3	(1128 ft. / 0.214 mi.)	Other Records
	14 ft. Lower Elevation	391 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

HIST CORTESE: Other Records

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900310025

MACY'S WEST 3880 MISSION RD N, MONTECITO HEIGHTS, CA, 90031			S101297158
▼ G22	SE 1/10 - 1/3	(1128 ft. / 0.214 mi.)	State and tribal leaking storage tank lists
	14 ft. Lower Elevation	391 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

LUST: State and tribal leaking storage tank lists

Region:	STATE
Global Id:	T0603700784
Latitude:	34.0716567
Longitude:	-118.1979847
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/06/1997
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	AS
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310025
LOC Case Number:	Not Reported
File Location:	Not Reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LUST_ST&global_id=T0603700784

Contact:

Global Id:	T0603700784
Contact Type:	Regional Board Caseworker
Contact Name:	ADNAN SIDDIQUI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	asiddiqui@waterboards.ca.gov
Phone Number:	Not Reported

Global Id:	T0603700784
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not Reported

Status History:

MACY'S WEST, 3880 MISSION RD N, MONTECITO HEIGHTS, CA 90031 (Continued)

Global Id:	T0603700784
Status:	Completed - Case Closed
Status Date:	08/06/1997
Global Id:	T0603700784
Status:	Open - Case Begin Date
Status Date:	01/13/1988
Global Id:	T0603700784
Status:	Open - Site Assessment
Status Date:	01/13/1988

Regulatory Activities:

Global Id:	T0603700784
Action Type:	Other
Date:	01/13/1988
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310025
Status:	Case Closed
Substance:	Hydrocarbons
Substance Quantity:	Not Reported
Local Case No:	Not Reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not Reported
Global ID:	T0603700784
W Global ID:	W0605100649
Staff:	AS
Local Agency:	19050
Cross Street:	HUNTINGTON
Enforcement Type:	Not Reported
Date Leak Discovered:	Not Reported
Date Leak First Reported:	1/13/1988
Date Leak Record Entered:	3/23/1988
Date Confirmation Began:	Not Reported
Date Leak Stopped:	Not Reported
Date Case Last Changed on Database:	9/24/1997
Date the Case was Closed:	8/6/1997
How Leak Discovered:	Not Reported
How Leak Stopped:	Not Reported
Cause of Leak:	Not Reported
Leak Source:	Not Reported
Operator:	BRYAN HALDY
Water System:	DAVE GRIFFITH L A D W P
Well Name:	Not Reported

MACY'S WEST, 3880 MISSION RD N, MONTECITO HEIGHTS, CA 90031 (Continued)

Approx. Dist To Production Well (ft):	13997.324603360472469480107765
Source of Cleanup Funding:	Not Reported
Preliminary Site Assessment Workplan Submitted:	Not Reported
Preliminary Site Assessment Began:	Not Reported
Pollution Characterization Began:	1/13/1988
Remediation Plan Submitted:	Not Reported
Remedial Action Underway:	Not Reported
Post Remedial Action Monitoring Began:	Not Reported
Enforcement Action Date:	Not Reported
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	20
Hist Max MTBE Conc in Soil:	Not Reported
Significant Interim Remedial Action Taken:	Not Reported
GW Qualifier:	Not Reported
Soil Qualifier:	Not Reported
Organization:	Not Reported
Owner Contact:	Not Reported
Responsible Party:	FEDERATED DEPARTMENT STORES,IN
RP Address:	170 O'FARRELL ST, P.O. BOX 7888, INTERNAL BOX 47,SF CA 94120
Program:	LUST
Lat/Long:	34.0716567 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not Reported
Priority:	Not Reported
Cleanup Fund Id:	Not Reported
Suspended:	Not Reported
Assigned Name:	2600649-001GEN
Summary:	SAP PRESENTLY UNDER REVIEW 11/27/96 - SITE INVESTIGATION 02/14/97 - TRANSMITTAL HYDROGEOLOGIC INVESTIGATION WORKPLAN 06/03/97 - HYDROGEOLOGIC INVESTIGATION

A C S MISSION PROPERTY 3801 MISSION RD., LOS ANGELES, CA, 90031			S106448373
▼ 23	SSE 1/10 - 1/3	(1506 ft. / 0.285 mi.)	State and tribal leaking storage tank lists
	34 ft. Lower Elevation	371 ft. Above Sea Level	

Worksheet:

Groundwater Flow Gradient:

Crossgradient: YES

LUST: State and tribal leaking storage tank lists

Region:	STATE
Global Id:	T0603761102
Latitude:	34.069934
Longitude:	-118.199897
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/30/2009
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900310361
LOC Case Number:	Not Reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_LUST_ST&global_id=T0603761102

Contact:

Global Id:	T0603761102
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603761102
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not Reported
Phone Number:	2134826528

Status History:

A C S MISSION PROPERTY, 3801 MISSION RD., LOS ANGELES, CA 90031 (Continued)

Global Id:	T0603761102
Status:	Completed - Case Closed
Status Date:	03/30/2009

Global Id:	T0603761102
Status:	Open - Case Begin Date
Status Date:	12/20/1988

Global Id:	T0603761102
Status:	Open - Site Assessment
Status Date:	04/16/2004

Global Id:	T0603761102
Status:	Open - Site Assessment
Status Date:	03/28/2005

Regulatory Activities:

Global Id:	T0603761102
Action Type:	Other
Date:	12/20/1988
Action:	Leak Discovery

Global Id:	T0603761102
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly

Global Id:	T0603761102
Action Type:	RESPONSE
Date:	08/26/2005
Action:	Soil and Water Investigation Report

Global Id:	T0603761102
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Well Installation Report

Global Id:	T0603761102
Action Type:	ENFORCEMENT
Date:	03/30/2009
Action:	Closure/No Further Action Letter

Global Id:	T0603761102
Action Type:	Other
Date:	12/20/1988
Action:	Leak Stopped

Global Id:	T0603761102
Action Type:	ENFORCEMENT
Date:	01/20/2009
Action:	Site Visit / Inspection / Sampling

Global Id:	T0603761102
Action Type:	ENFORCEMENT

A C S MISSION PROPERTY, 3801 MISSION RD., LOS ANGELES, CA 90031 (Continued)

Date:	07/30/2004
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603761102
Action Type:	RESPONSE
Date:	03/28/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T0603761102
Action Type:	Other
Date:	04/16/2004
Action:	Leak Reported
Global Id:	T0603761102
Action Type:	ENFORCEMENT
Date:	05/28/2004
Action:	Staff Letter
Global Id:	T0603761102
Action Type:	RESPONSE
Date:	07/16/2004
Action:	Other Report / Document

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900310361
Status:	Leak being confirmed
Substance:	Hydrocarbons
Substance Quantity:	Not Reported
Local Case No:	Not Reported
Case Type:	Undefined
Abatement Method Used at the Site:	Not Reported
Global ID:	T0603761102
W Global ID:	Not Reported
Staff:	JW
Local Agency:	19050
Cross Street:	PARKSIDE AVE.
Enforcement Type:	SEL
Date Leak Discovered:	12/20/1988
Date Leak First Reported:	4/16/2004
Date Leak Record Entered:	Not Reported
Date Confirmation Began:	4/16/2004
Date Leak Stopped:	12/20/1988
Date Case Last Changed on Database:	Not Reported
Date the Case was Closed:	Not Reported
How Leak Discovered:	OM
How Leak Stopped:	Close Tank
Cause of Leak:	Not Reported

A C S MISSION PROPERTY, 3801 MISSION RD., LOS ANGELES, CA 90031 (Continued)

Leak Source:	UNK
Operator:	Not Reported
Water System:	Not Reported
Well Name:	Not Reported
Approx. Dist To Production Well (ft):	Not Reported
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not Reported
Preliminary Site Assessment Began:	Not Reported
Pollution Characterization Began:	Not Reported
Remediation Plan Submitted:	Not Reported
Remedial Action Underway:	Not Reported
Post Remedial Action Monitoring Began:	Not Reported
Enforcement Action Date:	Not Reported
Historical Max MTBE Date:	Not Reported
Hist Max MTBE Conc in Groundwater:	Not Reported
Hist Max MTBE Conc in Soil:	Not Reported
Significant Interim Remedial Action Taken:	Not Reported
GW Qualifier:	Not Reported
Soil Qualifier:	Not Reported
Organization:	Not Reported
Owner Contact:	Not Reported
Responsible Party:	PETER COHEN
RP Address:	1875 CENTURY PARK EAST #700
Program:	LUST
Lat/Long:	0 / 0
Local Agency Staff:	Not Reported
Beneficial Use:	Not Reported
Priority:	Not Reported
Cleanup Fund Id:	Not Reported
Suspended:	Not Reported
Assigned Name:	Not Reported
Summary:	Not Reported

RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

ENVIRONMENTAL RECORDS

PRP: Potentially Responsible Parties
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Number of Days to Update: 3
Last EDR Contact :06/06/2017

Source: EPA
Telephone: 202-564-6023

RMP: Risk Management Plans
Standard Environmental Record Source: Other Records
Search Distance: Property

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Number of Days to Update: 57
Last EDR Contact :04/21/2017

Source: Environmental Protection Agency
Telephone: 202-564-8600

ALAMEDA CO. UST: Underground Tanks
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Number of Days to Update: 21
Last EDR Contact :04/10/2017

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

AST: Aboveground Petroleum Storage Tank Facilities
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Number of Days to Update: 69
Last EDR Contact :03/24/2017

Source: California Environmental Protection Agency
Telephone: 916-327-5092

Alameda County CS: Contaminated Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/10/2017
Number of Days to Update: 31
Last EDR Contact :04/10/2017

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

BROWNFIELDS: Considered Brownfieds Sites Listing
Standard Environmental Record Source: State and tribal Brownfields sites
Search Distance: 0.333 Mile

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Number of Days to Update: 57
Last EDR Contact :03/29/2017

Source: State Water Resources Control Board
Telephone: 916-323-7905

CA BOND EXP. PLAN: Bond Expenditure Plan
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Number of Days to Update: 6
Last EDR Contact :05/31/1994

Source: Department of Health Services
Telephone: 916-255-2118

CA FID UST: Facility Inventory Database
Standard Environmental Record Source: Other Records
Search Distance: Property

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Number of Days to Update: 24
Last EDR Contact :12/28/1998

Source: California Environmental Protection Agency
Telephone: 916-341-5851

CA LA LF: City of Los Angeles Landfills
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Number of Days to Update: 56
Last EDR Contact :04/17/2017

Source: Engineering & Construction Division
Telephone: 213-473-7869

CDL: Clandestine Drug Labs
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2016

Source: Department of Toxic Substances Control

Number of Days to Update: 54 Telephone: 916-255-6504
Last EDR Contact :04/10/2017

CHMIRS: California Hazardous Material Incident Report System
Standard Environmental Record Source: Other Records
Search Distance: Property

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016 Source: Office of Emergency Services
Number of Days to Update: 105 Telephone: 916-845-8400
Last EDR Contact :04/28/2017

CONTRA COSTA CO. SITE LIST: Site List
Standard Environmental Record Source: Other Records
Search Distance: Property

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016 Source: Contra Costa Health Services Department
Number of Days to Update: 65 Telephone: 925-646-2286
Last EDR Contact :05/01/2017

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016 Source: CAL EPA/Office of Emergency Information
Number of Days to Update: 64 Telephone: 916-323-3400
Last EDR Contact :03/29/2017

CUPA AMADOR: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa Facility List

Date of Government Version: 03/06/2017 Source: Amador County Environmental Health
Number of Days to Update: 37 Telephone: 209-223-6439
Last EDR Contact :06/02/2017

CUPA BUTTE: CUPA Facility Listing
Standard Environmental Record Source: Other Records
Cupa facility list.

Date of Government Version: 01/31/2017 Source: Public Health Department
Number of Days to Update: 94 Telephone: 530-538-7149
Last EDR Contact :04/10/2017

CUPA CALVERAS: CUPA Facility Listing
Standard Environmental Record Source: Other Records
Cupa Facility Listing

Date of Government Version: 01/09/2017 Source: Calveras County Environmental Health

Number of Days to Update: 50
Last EDR Contact :03/27/2017
Telephone: 209-754-6399

CUPA COLUSA: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa facility list.

Date of Government Version: 02/23/2017
Number of Days to Update: 77
Last EDR Contact :06/02/2017
Source: Health & Human Services
Telephone: 530-458-0396

CUPA DEL NORTE: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa Facility list

Date of Government Version: 01/31/2017
Number of Days to Update: 70
Last EDR Contact :05/01/2017
Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426

CUPA EL DORADO: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA facility list.

Date of Government Version: 02/24/2017
Number of Days to Update: 73
Last EDR Contact :05/01/2017
Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623

CUPA FRESNO: CUPA Resources List
Standard Environmental Record Source: Other Records
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/06/2017
Number of Days to Update: 40
Last EDR Contact :03/31/2017
Source: Dept. of Community Health
Telephone: 559-445-3271

CUPA HUMBOLDT: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA facility list.

Date of Government Version: 03/20/2017
Number of Days to Update: 57
Last EDR Contact :05/22/2017
Source: Humboldt County Environmental Health
Telephone: Not Reported

CUPA IMPERIAL: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa facility list.

Date of Government Version: 01/23/2017
Number of Days to Update: 36
Last EDR Contact :04/24/2017
Source: San Diego Border Field Office
Telephone: 760-339-2777

CUPA INYO: CUPA Facility List

Standard Environmental Record Source: Other Records
Cupa facility list.

Date of Government Version: 03/09/2017
Number of Days to Update: 77
Last EDR Contact :06/02/2017

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238

CUPA KINGS: CUPA Facility List
Standard Environmental Record Source: Other Records
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017
Number of Days to Update: 71
Last EDR Contact :05/22/2017

Source: Kings County Department of Public Health
Telephone: 559-584-1411

CUPA LAKE: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa facility list

Date of Government Version: 01/18/2017
Number of Days to Update: 41
Last EDR Contact :04/17/2017

Source: Lake County Environmental Health
Telephone: 707-263-1164

CUPA MADERA: CUPA Facility List
Standard Environmental Record Source: Other Records
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/03/2017
Number of Days to Update: 71
Last EDR Contact :05/22/2017

Source: Madera County Environmental Health
Telephone: 559-675-7823

CUPA MERCED: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA facility list.

Date of Government Version: 02/22/2017
Number of Days to Update: 83
Last EDR Contact :06/02/2017

Source: Merced County Environmental Health
Telephone: 209-381-1094

CUPA MONO: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA Facility List

Date of Government Version: 02/21/2017
Number of Days to Update: 76
Last EDR Contact :05/24/2017

Source: Mono County Health Department
Telephone: 760-932-5580

CUPA MONTEREY: CUPA Facility Listing
Standard Environmental Record Source: Other Records

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Number of Days to Update: 43
Last EDR Contact :05/22/2017

Source: Monterey County Health Department
Telephone: 831-796-1297

CUPA NEVADA: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA facility list.

Date of Government Version: 02/09/2017
Number of Days to Update: 96
Last EDR Contact :05/01/2017

Source: Community Development Agency
Telephone: 530-265-1467

CUPA SAN LUIS OBISPO: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa Facility List.

Date of Government Version: 02/21/2017
Number of Days to Update: 91
Last EDR Contact :06/02/2017

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596

CUPA SANTA BARBARA: CUPA Facility Listing
Standard Environmental Record Source: Other Records
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Number of Days to Update: 28
Last EDR Contact :05/22/2017

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167

CUPA SANTA CLARA: Cupa Facility List
Standard Environmental Record Source: Other Records
Cupa facility list

Date of Government Version: 02/22/2017
Number of Days to Update: 89
Last EDR Contact :05/22/2017

Source: Department of Environmental Health
Telephone: 408-918-1973

CUPA SANTA CRUZ: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA facility listing.

Date of Government Version: 01/21/2017
Number of Days to Update: 90
Last EDR Contact :05/22/2017

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761

CUPA SHASTA: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa Facility List.

Date of Government Version: 03/14/2017
Number of Days to Update: 67
Last EDR Contact :05/22/2017

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789

RECORD SOURCES AND CURRENCY

CUPA SONOMA: Cupa Facility List
Standard Environmental Record Source: Other Records
Cupa Facility list

Date of Government Version: 03/01/2017
Number of Days to Update: 54
Last EDR Contact :03/27/2017

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174

CUPA TUOLUMNE: CUPA Facility List
Standard Environmental Record Source: Other Records
Cupa facility list

Date of Government Version: 01/25/2017
Number of Days to Update: 34
Last EDR Contact :04/24/2017

Source: Divison of Environmental Health
Telephone: 209-533-5633

CUPA YUBA: CUPA Facility List
Standard Environmental Record Source: Other Records
CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017
Number of Days to Update: 112
Last EDR Contact :05/01/2017

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523

DEED: Deed Restriction Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/06/2017
Number of Days to Update: 77
Last EDR Contact :06/06/2017

Source: DTSC and SWRCB
Telephone: 916-323-3400

DRYCLEANERS: Cleaner Facilities
Standard Environmental Record Source: Other Records
Search Distance: 0.25 Mile

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/09/2017
Number of Days to Update: 42
Last EDR Contact :06/02/2017

Source: Department of Toxic Substance Control
Telephone: 916-327-4498

EL SEGUNDO UST: City of El Segundo Underground Storage Tank
Standard Environmental Record Source: State and tribal registered storage tank lists

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Number of Days to Update: 112
Last EDR Contact :04/17/2017

Source: City of El Segundo Fire Department
Telephone: 310-524-2236

EMI: Emissions Inventory Data
Standard Environmental Record Source: Other Records
Search Distance: Property

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Number of Days to Update: 31
Last EDR Contact :03/21/2017

Source: California Air Resources Board
Telephone: 916-322-2990

ENF: Enforcement Action Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/23/2017
Number of Days to Update: 118
Last EDR Contact :04/24/2017

Source: State Water Resoruces Control Board
Telephone: 916-445-9379

ENVIROSTOR: EnviroStor Database
Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2017
Number of Days to Update: 112
Last EDR Contact :05/02/2017

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

HAULERS: Registered Waste Tire Haulers Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of registered waste tire haulers.

Date of Government Version: 01/13/2017
Number of Days to Update: 134
Last EDR Contact :05/15/2017

Source: Integrated Waste Management Board
Telephone: 916-341-6422

HAZNET: Facility and Manifest Data
Standard Environmental Record Source: Other Records
Search Distance: Property

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Number of Days to Update: 64
Last EDR Contact :04/14/2017

Source: California Environmental Protection Agency
Telephone: 916-255-1136

HIST CAL-SITES: Calsites Database

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Number of Days to Update: 21
Last EDR Contact :02/23/2009

Source: Department of Toxic Substance Control
Telephone: 916-323-3400

HIST CORTESE: Hazardous Waste & Substance Site List

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Number of Days to Update: 76
Last EDR Contact :01/22/2009

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Number of Days to Update: 22
Last EDR Contact :03/23/2009

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

HIST UST: Hazardous Substance Storage Container Database

Standard Environmental Record Source: Other Records

Search Distance: Property

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Number of Days to Update: 18
Last EDR Contact :07/26/2001

Source: State Water Resources Control Board
Telephone: 916-341-5851

HWP: EnviroStor Permitted Facilities Listing

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Number of Days to Update: 62
Last EDR Contact :05/24/2017

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

HWT: Registered Hazardous Waste Transporter Database
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017
Number of Days to Update: 13
Last EDR Contact :04/13/2017

Source: Department of Toxic Substances Control
Telephone: 916-440-7145

KERN CO. UST: Underground Storage Tank Sites & Tank Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Number of Days to Update: 81
Last EDR Contact :05/05/2017

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700

LA Co. Site Mitigation: Site Mitigation List
Standard Environmental Record Source: Other Records
Search Distance: Property

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Number of Days to Update: 68
Last EDR Contact :04/17/2017

Source: Community Health Services
Telephone: 323-890-7806

LDS: Land Disposal Sites Listing (GEOTRACKER)
Standard Environmental Record Source: Other Records
Search Distance: Property

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Number of Days to Update: 49
Last EDR Contact :06/14/2017

Source: State Water Qualilty Control Board
Telephone: 866-480-1028

LIENS: Environmental Liens Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

Last EDR Contact :06/02/2017

LONG BEACH UST: City of Long Beach Underground Storage Tank

Standard Environmental Record Source: State and tribal registered storage tank lists

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Number of Days to Update: 54
Last EDR Contact :04/24/2017

Source: City of Long Beach Fire Department
Telephone: 562-570-2563

LOS ANGELES CO. HMS: HMS: Street Number List

Standard Environmental Record Source: Other Records

Search Distance: Property

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Number of Days to Update: 66
Last EDR Contact :04/10/2017

Source: Department of Public Works
Telephone: 626-458-3517

LOS ANGELES CO. LF: List of Solid Waste Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Number of Days to Update: 14
Last EDR Contact :04/18/2017

Source: La County Department of Public Works
Telephone: 818-458-5185

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Number of Days to Update: 49
Last EDR Contact :06/14/2017

Source: State Water Resources Control Board
Telephone: see region list

LUST REG 1: Active Toxic Site Investigation

Standard Environmental Record Source: State and tribal leaking storage tank lists

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Number of Days to Update: 29
Last EDR Contact :08/01/2011

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769

LUST REG 2: Fuel Leak List

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Number of Days to Update: 30
Last EDR Contact :09/19/2011
Telephone: 510-622-2433

LUST REG 3: Leaking Underground Storage Tank Database

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Source: California Regional Water Quality Control Board Central Coast Region (3)
Number of Days to Update: 14
Telephone: 805-542-4786
Last EDR Contact :07/18/2011

LUST REG 4: Underground Storage Tank Leak List

Standard Environmental Record Source: State and tribal leaking storage tank lists

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Number of Days to Update: 35
Telephone: 213-576-6710
Last EDR Contact :09/06/2011

LUST REG 5: Leaking Underground Storage Tank Database

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Source: California Regional Water Quality Control Board Central Valley Region (5)
Number of Days to Update: 9
Telephone: 916-464-4834
Last EDR Contact :07/01/2011

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Source: California Regional Water Quality Control Board Lahontan Region (6)
Number of Days to Update: 27
Telephone: 530-542-5572
Last EDR Contact :09/12/2011

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Number of Days to Update: 22
Telephone: 760-241-7365
Last EDR Contact :09/12/2011

LUST REG 7: Leaking Underground Storage Tank Case Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Number of Days to Update: 27
Last EDR Contact :08/01/2011

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943

LUST REG 8: Leaking Underground Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Number of Days to Update: 41
Last EDR Contact :08/15/2011

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496

LUST REG 9: Leaking Underground Storage Tank Report

Standard Environmental Record Source: State and tribal leaking storage tank lists

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Number of Days to Update: 28
Last EDR Contact :09/26/2011

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595

LUST SANTA CLARA: LOP Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Number of Days to Update: 13
Last EDR Contact :05/24/2017

Source: Department of Environmental Health
Telephone: 408-918-3417

MARIN CO. UST: Underground Storage Tank Sites

Standard Environmental Record Source: State and tribal registered storage tank lists

Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Number of Days to Update: 27
Last EDR Contact :03/31/2017

Source: Public Works Department Waste Management
Telephone: 415-473-6647

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Standard Environmental Record Source: Other Records

Search Distance: Property

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Number of Days to Update: 49
Last EDR Contact :06/14/2017

Source: State Water Resources Control Board
Telephone: 866-480-1028

MED WASTE VENTURA: Medical Waste Program List

Standard Environmental Record Source: Other Records

Search Distance: Property

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Number of Days to Update: 89
Last EDR Contact :04/24/2017

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813

MINES: Mines Site Location Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Number of Days to Update: 30
Last EDR Contact :06/14/2017

Source: Department of Conservation
Telephone: 916-322-1080

MWMP: Medical Waste Management Program Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Number of Days to Update: 86
Last EDR Contact :06/06/2017

Source: Department of Public Health
Telephone: 916-558-1784

NAPA CO. LUST: Sites With Reported Contamination
Standard Environmental Record Source: State and tribal leaking storage tank lists
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Number of Days to Update: 50
Last EDR Contact :05/24/2017

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

NAPA CO. UST: Closed and Operating Underground Storage Tank Sites
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Napa county.

Date of Government Version: 03/15/2017
Number of Days to Update: 54
Last EDR Contact :05/24/2017

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

NOTIFY 65: Proposition 65 Records
Standard Environmental Record Source: Other Records
Search Distance: Property

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Number of Days to Update: 70
Last EDR Contact :04/03/2017

Source: State Water Resources Control Board
Telephone: 916-445-3846

RECORD SOURCES AND CURRENCY

NPDES: NPDES Permits Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Number of Days to Update: 107
Last EDR Contact :05/17/2017

Source: State Water Resources Control Board
Telephone: 916-445-9379

ORANGE CO. LUST: List of Underground Storage Tank Cleanups
Standard Environmental Record Source: State and tribal leaking storage tank lists
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Number of Days to Update: 73
Last EDR Contact :05/08/2017

Source: Health Care Agency
Telephone: 714-834-3446

ORANGE CO. UST: List of Underground Storage Tank Facilities
Standard Environmental Record Source: State and tribal registered storage tank lists
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017
Number of Days to Update: 85
Last EDR Contact :05/09/2017

Source: Health Care Agency
Telephone: 714-834-3446

Orange Co. Industrial Site: List of Industrial Site Cleanups
Standard Environmental Record Source: Other Records
Search Distance: Property

Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Number of Days to Update: 70
Last EDR Contact :05/08/2017

Source: Health Care Agency
Telephone: 714-834-3446

PEST LIC: Pesticide Regulation Licenses Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Number of Days to Update: 87
Last EDR Contact :06/07/2017

Source: Department of Pesticide Regulation
Telephone: 916-445-4038

PLACER CO. MS: Master List of Facilities
Standard Environmental Record Source: Other Records
Search Distance: Property

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363

Last EDR Contact :06/02/2017

PROC: Certified Processors Database
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

A listing of certified processors.

Date of Government Version: 03/13/2017
Number of Days to Update: 50
Last EDR Contact :06/14/2017

Source: Department of Conservation
Telephone: 916-323-3836

RESPONSE: State Response Sites
Standard Environmental Record Source: State and tribal - equivalent NPL
Search Distance: 0.333 Mile

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2017
Number of Days to Update: 112
Last EDR Contact :05/02/2017

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

RIVERSIDE CO. LUST: Listing of Underground Tank Cleanup Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017
Number of Days to Update: 1
Last EDR Contact :03/20/2017

Source: Department of Environmental Health
Telephone: 951-358-5055

RIVERSIDE CO. UST: Underground Storage Tank Tank List
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017
Number of Days to Update: 98
Last EDR Contact :03/20/2017

Source: Department of Environmental Health
Telephone: 951-358-5055

SAN DIEGO CO. HMMD: Hazardous Materials Management Division Database
Standard Environmental Record Source: Other Records
Search Distance: Property

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Number of Days to Update: 86
Last EDR Contact :06/07/2017

Source: Hazardous Materials Management Division
Telephone: 619-338-2268

SAN DIEGO CO. LF: Solid Waste Facilities
Standard Environmental Record Source: State and tribal landfill / solid waste disposal

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Number of Days to Update: 58
Last EDR Contact :04/24/2017

Source: Department of Health Services
Telephone: 619-338-2209

SAN DIEGO CO. SAM: Environmental Case Listing
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Number of Days to Update: 24
Last EDR Contact :06/05/2017

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371

SAN FRANCISCO CO. LUST: Local Oversite Facilities
Standard Environmental Record Source: State and tribal leaking storage tank lists
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Number of Days to Update: 10
Last EDR Contact :05/05/2017

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

SAN FRANCISCO CO. UST: Underground Storage Tank Information
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Number of Days to Update: 62
Last EDR Contact :05/05/2017

Source: Department of Public Health
Telephone: 415-252-3920

SAN JOSE HAZMAT: Hazardous Material Facilities
Standard Environmental Record Source: Other Records
Search Distance: Property

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Number of Days to Update: 75
Last EDR Contact :05/05/2017

Source: City of San Jose Fire Department
Telephone: 408-535-7694

SAN MATEO CO. LUST: Fuel Leak List
Standard Environmental Record Source: State and tribal leaking storage tank lists
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017
Number of Days to Update: 14
Last EDR Contact :06/09/2017

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

SCH: School Property Evaluation Program
Standard Environmental Record Source: Other Records
Search Distance: Property

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2017
Number of Days to Update: 112
Last EDR Contact :05/02/2017

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

SLIC: Statewide SLIC Cases (GEOTRACKER)

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Number of Days to Update: 49
Last EDR Contact :06/14/2017

Source: State Water Resources Control Board
Telephone: 866-480-1028

SLIC REG 1: Active Toxic Site Investigations

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Number of Days to Update: 18
Last EDR Contact :08/01/2011

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Number of Days to Update: 30
Last EDR Contact :09/19/2011

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Number of Days to Update: 28
Last EDR Contact :07/18/2011

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004

Source: Region Water Quality Control Board Los Angeles Region (4)

Number of Days to Update: 47
Last EDR Contact :07/01/2011
Telephone: 213-576-6600

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Source: Regional Water Quality Control Board Central Valley Region (5)
Number of Days to Update: 16
Telephone: 916-464-3291
Last EDR Contact :09/12/2011

SLIC REG 6L: SLIC Sites

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Source: California Regional Water Quality Control Board, Lahontan Region
Number of Days to Update: 35
Telephone: 530-542-5574
Last EDR Contact :08/15/2011

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Source: Regional Water Quality Control Board, Victorville Branch
Number of Days to Update: 22
Telephone: 619-241-6583
Last EDR Contact :08/15/2011

SLIC REG 7: SLIC List

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Source: California Regional Quality Control Board, Colorado River Basin Region
Number of Days to Update: 36
Telephone: 760-346-7491
Last EDR Contact :08/01/2011

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Source: California Region Water Quality Control Board Santa Ana Region (8)
Number of Days to Update: 11
Telephone: 951-782-3298
Last EDR Contact :09/12/2011

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Number of Days to Update: 17
Last EDR Contact :08/08/2011
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

SOLANO CO. LUST: Leaking Underground Storage Tanks
Standard Environmental Record Source: State and tribal leaking storage tank lists
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Number of Days to Update: 1
Last EDR Contact :06/09/2017
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770

SOLANO CO. UST: Underground Storage Tanks
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Number of Days to Update: 47
Last EDR Contact :06/09/2017
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770

SONOMA CO. LUST: Leaking Underground Storage Tank Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Number of Days to Update: 55
Last EDR Contact :03/27/2017
Source: Department of Health Services
Telephone: 707-565-6565

SPILLS 90: SPILLS90 data from FirstSearch
Standard Environmental Record Source: Other Records
Search Distance: Property

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Number of Days to Update: 50
Last EDR Contact :01/03/2013
Source: FirstSearch
Telephone: Not Reported

SUTTER CO. UST: Underground Storage Tanks
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Number of Days to Update: 35
Last EDR Contact :06/02/2017
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

SWEEPS UST: SWEEPS UST Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Number of Days to Update: 35
Last EDR Contact :06/03/2005

Source: State Water Resources Control Board
Telephone: Not Reported

SWF/LF (SWIS): Solid Waste Information System

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

Active, Closed and Inactive Landfills.SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills.These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteriafor solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017
Number of Days to Update: 76
Last EDR Contact :05/17/2017

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320

SWRCY: Recycler Database

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Number of Days to Update: 50
Last EDR Contact :06/14/2017

Source: Department of Conservation
Telephone: 916-323-3836

Sacramento Co. CS: Toxic Site Clean-Up List

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016
Number of Days to Update: 56
Last EDR Contact :04/04/2017

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Sacramento Co. ML: Master Hazardous Materials Facility List

Standard Environmental Record Source: Other Records

Search Distance: Property

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Number of Days to Update: 56
Last EDR Contact :04/04/2017

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

San Bern. Co. Permit: Hazardous Material Permits

Standard Environmental Record Source: Other Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Number of Days to Update: 80
Last EDR Contact :05/08/2017

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

San Mateo Co. BI: Business Inventory
Standard Environmental Record Source: Other Records
Search Distance: Property

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017
Number of Days to Update: 33
Last EDR Contact :06/09/2017

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

TORRANCE UST: City of Torrance Underground Storage Tank
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017
Number of Days to Update: 110
Last EDR Contact :04/10/2017

Source: City of Torrance Fire Department
Telephone: 310-618-2973

TOXIC PITS: Toxic Pits Cleanup Act Sites
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Number of Days to Update: 27
Last EDR Contact :01/26/2009

Source: State Water Resources Control Board
Telephone: 916-227-4364

UIC: UIC Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Number of Days to Update: 50
Last EDR Contact :06/14/2017

Source: Deaprtment of Conservation
Telephone: 916-445-2408

UST: Active UST Facilities
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851

Last EDR Contact :06/14/2017

UST MENDOCINO: Mendocino County UST Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Number of Days to Update: 67
Last EDR Contact :05/24/2017
Source: Department of Public Health
Telephone: 707-463-4466

UST SAN JOAQUIN: San Joaquin Co. UST
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017
Number of Days to Update: 47
Last EDR Contact :03/20/2017
Source: Environmental Health Department
Telephone: Not Reported

VCP: Voluntary Cleanup Program Properties
Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2017
Number of Days to Update: 112
Last EDR Contact :05/02/2017
Source: Department of Toxic Substances Control
Telephone: 916-323-3400

VENTURA CO. BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Standard Environmental Record Source: Other Records
Search Distance: Property

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Number of Days to Update: 103
Last EDR Contact :04/24/2017
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813

VENTURA CO. LF: Inventory of Illegal Abandoned and Inactive Sites
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Number of Days to Update: 49
Last EDR Contact :03/31/2017
Source: Environmental Health Division
Telephone: 805-654-2813

VENTURA CO. LUST: Listing of Underground Tank Cleanup Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813

Last EDR Contact :05/15/2017

VENTURA CO. UST: Underground Tank Closed Sites List
Standard Environmental Record Source: State and tribal registered storage tank lists
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017
Number of Days to Update: 49
Last EDR Contact :06/14/2017
Source: Environmental Health Division
Telephone: 805-654-2813

WDS: Waste Discharge System
Standard Environmental Record Source: Other Records
Search Distance: Property

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Number of Days to Update: 9
Last EDR Contact :05/22/2017
Source: State Water Resources Control Board
Telephone: 916-341-5227

WIP: Well Investigation Program Case List
Standard Environmental Record Source: Other Records
Search Distance: Property

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Number of Days to Update: 13
Last EDR Contact :03/24/2017
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726

WMUDS/SWAT: Waste Management Unit Database
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Number of Days to Update: 30
Last EDR Contact :05/05/2017
Source: State Water Resources Control Board
Telephone: 916-227-4448

YOLO CO. UST: Underground Storage Tank Comprehensive Facility Report
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017
Number of Days to Update: 27
Last EDR Contact :03/31/2017
Source: Yolo County Department of Health
Telephone: 530-666-8646

2020 COR ACTION: 2020 Corrective Action Program List
Standard Environmental Record Source: Other Records
Search Distance: Property

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Number of Days to Update: 6
Last EDR Contact :05/05/2017
Source: Environmental Protection Agency
Telephone: 703-308-4044

ABANDONED MINES: Abandoned Mines
Standard Environmental Record Source: Other Records
Search Distance: Property

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Number of Days to Update: 21
Last EDR Contact :06/09/2017
Source: Department of Interior
Telephone: 202-208-2609

COAL ASH DOE: Steam-Electric Plant Operation Data
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Number of Days to Update: 76
Last EDR Contact :06/05/2017
Source: Department of Energy
Telephone: 202-586-8719

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Number of Days to Update: 40
Last EDR Contact :06/05/2017
Source: Environmental Protection Agency
Telephone: Not Reported

CONSENT: Superfund (CERCLA) Consent Decrees
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Number of Days to Update: 77
Last EDR Contact :03/27/2017
Source: Department of Justice, Consent Decree Library
Telephone: Varies

CORRACTS: Corrective Action Report
Standard Environmental Record Source: Federal RCRA CORRACTS facilities list
Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Number of Days to Update: 44
Last EDR Contact :05/02/2017

Source: EPA
Telephone: 800-424-9346

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Number of Days to Update: 137
Last EDR Contact :04/24/2017

Source: EPA, Region 9
Telephone: 415-947-4219

DOCKET HWC: Hazardous Waste Compliance Docket Listing
Standard Environmental Record Source: Other Records
Search Distance: Property

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Number of Days to Update: 91
Last EDR Contact :05/24/2017

Source: Environmental Protection Agency
Telephone: 202-564-0527

DOT OPS: Incident and Accident Data
Standard Environmental Record Source: Other Records
Search Distance: Property

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Number of Days to Update: 42
Last EDR Contact :05/02/2017

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595

Delisted NPL: National Priority List Deletions
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017
Number of Days to Update: 21
Last EDR Contact :06/09/2017

Source: EPA
Telephone: Not Reported

ECHO: Enforcement & Compliance History Information
Standard Environmental Record Source: Other Records
Search Distance: Property

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017

Source: Environmental Protection Agency

Number of Days to Update: 52 Telephone: 202-564-2280
Last EDR Contact :06/07/2017

EPA WATCH LIST: EPA WATCH LIST
Standard Environmental Record Source: Other Records
Search Distance: Property

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Source: Environmental Protection Agency
Number of Days to Update: 88 Telephone: 617-520-3000
Last EDR Contact :05/08/2017

ERNS: Emergency Response Notification System
Standard Environmental Record Source: Federal ERNS list
Search Distance: Property

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016 Source: National Response Center, United States Coast Guard
Number of Days to Update: 43 Telephone: 202-267-2180
Last EDR Contact :03/29/2017

FEMA UST: Underground Storage Tank Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Source: FEMA
Number of Days to Update: 55 Telephone: 202-646-5797
Last EDR Contact :04/11/2017

FINDS: Facility Index System/Facility Registry System
Standard Environmental Record Source: Other Records
Search Distance: Property

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017 Source: EPA
Number of Days to Update: 35 Telephone: Not Reported
Last EDR Contact :06/07/2017

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Standard Environmental Record Source: Other Records
Search Distance: Property

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :05/19/2017

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :05/19/2017

Source: EPA
Telephone: 202-566-1667

FUDS: Formerly Used Defense Sites

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Number of Days to Update: 97
Last EDR Contact :02/24/2017

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

FUELS PROGRAM: EPA Fuels Program Registered Listing

Standard Environmental Record Source: Other Records

Search Distance: Property

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017
Number of Days to Update: 79
Last EDR Contact :05/24/2017

Source: EPA
Telephone: 800-385-6164

FUSRAP: Formerly Utilized Sites Remedial Action Program

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Number of Days to Update: 52
Last EDR Contact :05/05/2017

Source: Department of Energy
Telephone: 202-586-3559

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Records

Search Distance: Property

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Number of Days to Update: 40
Last EDR Contact :12/17/2007

Source: Environmental Protection Agency
Telephone: 202-564-2501

HMIRS: Hazardous Materials Information Reporting System
Standard Environmental Record Source: Other Records
Search Distance: Property

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Number of Days to Update: 37
Last EDR Contact :03/29/2017

Source: U.S. Department of Transportation
Telephone: 202-366-4555

ICIS: Integrated Compliance Information System
Standard Environmental Record Source: Other Records
Search Distance: Property

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Number of Days to Update: 79
Last EDR Contact :04/10/2017

Source: Environmental Protection Agency
Telephone: 202-564-2501

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Number of Days to Update: 99
Last EDR Contact :04/28/2017

Source: EPA Region 1
Telephone: 617-918-1313

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Number of Days to Update: 99
Last EDR Contact :04/28/2017

Source: EPA Region 10
Telephone: 206-553-2857

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677

Last EDR Contact :04/28/2017

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016 Source: EPA, Region 5
Number of Days to Update: 99 Telephone: 312-886-7439
Last EDR Contact :04/28/2017

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016 Source: EPA Region 6
Number of Days to Update: 99 Telephone: 214-665-6597
Last EDR Contact :04/28/2017

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016 Source: EPA Region 7
Number of Days to Update: 99 Telephone: 913-551-7003
Last EDR Contact :04/28/2017

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016 Source: EPA Region 8
Number of Days to Update: 99 Telephone: 303-312-6271
Last EDR Contact :04/28/2017

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016 Source: Environmental Protection Agency
Number of Days to Update: 99 Telephone: 415-972-3372
Last EDR Contact :04/28/2017

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Source: Environmental Protection Agency
Number of Days to Update: 52 Telephone: 703-308-8245
Last EDR Contact :05/01/2017

INDIAN UST R1: Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016 Source: EPA, Region 1
Number of Days to Update: 99 Telephone: 617-918-1313
Last EDR Contact :04/28/2017

INDIAN UST R10: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016 Source: EPA Region 10
Number of Days to Update: 99 Telephone: 206-553-2857
Last EDR Contact :04/28/2017

INDIAN UST R4: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016 Source: EPA Region 4
Number of Days to Update: 98 Telephone: 404-562-9424
Last EDR Contact :04/28/2017

INDIAN UST R5: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017 Source: EPA Region 5
Number of Days to Update: 99 Telephone: 312-886-6136
Last EDR Contact :04/28/2017

INDIAN UST R6: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016 Source: EPA Region 6
Number of Days to Update: 99 Telephone: 214-665-7591
Last EDR Contact :04/28/2017

INDIAN UST R7: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016 Source: EPA Region 7
Number of Days to Update: 99 Telephone: 913-551-7003
Last EDR Contact :04/28/2017

INDIAN UST R8: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016 Source: EPA Region 8
Number of Days to Update: 99 Telephone: 303-312-6137
Last EDR Contact :04/28/2017

INDIAN UST R9: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016 Source: EPA Region 9
Number of Days to Update: 99 Telephone: 415-972-3368
Last EDR Contact :04/28/2017

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Source: EPA, Region 1
Number of Days to Update: 142 Telephone: 617-918-1102
Last EDR Contact :03/27/2017

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

Standard Environmental Record Source: State and tribal voluntary cleanup sites

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Source: EPA, Region 7
Number of Days to Update: 27 Telephone: 913-551-7365
Last EDR Contact :04/20/2009

LEAD SMELTER 1: Lead Smelter Sites

Standard Environmental Record Source: Other Records
Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016 Source: Environmental Protection Agency
Number of Days to Update: 36 Telephone: 703-603-8787
Last EDR Contact :06/09/2017

LEAD SMELTER 2: Lead Smelter Sites

Standard Environmental Record Source: Other Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Source: American Journal of Public Health
Number of Days to Update: 36 Telephone: 703-305-6451
Last EDR Contact :12/02/2009

LIENS 2: CERCLA Lien Information

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Other Records

Search Distance: Property

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Number of Days to Update: 37
Last EDR Contact :06/09/2017

Source: Environmental Protection Agency
Telephone: 202-564-6023

LUCIS: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016
Number of Days to Update: 93
Last EDR Contact :05/15/2017

Source: Department of the Navy
Telephone: 843-820-7326

MLTS: Material Licensing Tracking System

Standard Environmental Record Source: Other Records

Search Distance: Property

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Number of Days to Update: 43
Last EDR Contact :05/08/2017

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

NPL: National Priority List

Standard Environmental Record Source: Federal NPL site list

Search Distance: 0.333 Mile

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/05/2017
Number of Days to Update: 21
Last EDR Contact :06/08/2017

Source: EPA
Telephone: Not Reported

NPL Site Boundaries

Sources:

EPA"s Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL site list

Search Distance: Property

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Number of Days to Update: 56
Last EDR Contact :08/15/2011

Source: EPA
Telephone: 202-564-4267

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Number of Days to Update: 39
Last EDR Contact :06/09/2004

Source: Environmental Protection Agency
Telephone: 800-424-9346

PADS: PCB Activity Database System

Standard Environmental Record Source: Other Records

Search Distance: Property

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Number of Days to Update: 127
Last EDR Contact :04/10/2017

Source: EPA
Telephone: 202-566-0500

PCB TRANSFORMER: PCB Transformer Registration Database

Standard Environmental Record Source: Other Records

Search Distance: Property

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517

Last EDR Contact :04/28/2017

Proposed NPL: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL site list

Search Distance: 0.333 Mile

A site that has been proposed for listing on the NationalPriorities List through the issuance of a proposed rule in the Federal Register.EPA then accepts public comments on the site, responds to the comments,and places on the NPL those sites that continue to meet therequirements for listing.

Date of Government Version: 04/05/2017 Source: EPA

Number of Days to Update: 21 Telephone: Not Reported

Last EDR Contact :06/09/2017

RAATS: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Records

Search Distance: Property

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Source: EPA

Number of Days to Update: 35 Telephone: 202-564-4104

Last EDR Contact :06/02/2008

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Records

Search Distance: Property

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017 Source: Environmental Protection Agency

Number of Days to Update: 35 Telephone: 202-343-9775

Last EDR Contact :04/06/2017

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

Standard Environmental Record Source: Other Records

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016 Source: Environmental Protection Agency

Number of Days to Update: 44 Telephone: 703-308-8895

Last EDR Contact :05/02/2017

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RECORD SOURCES AND CURRENCY

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016 Source: Environmental Protection Agency
Number of Days to Update: 44 Telephone: 703-308-8895
Last EDR Contact :05/02/2017

RCRA-LQG: RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016 Source: Environmental Protection Agency
Number of Days to Update: 44 Telephone: 703-308-8895
Last EDR Contact :05/02/2017

RCRA-SQG: RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016 Source: Environmental Protection Agency
Number of Days to Update: 44 Telephone: 703-308-8895
Last EDR Contact :05/02/2017

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016 Source: Environmental Protection Agency
Number of Days to Update: 44 Telephone: 703-308-8895
Last EDR Contact :05/02/2017

ROD: Records Of Decision

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Source: EPA

Number of Days to Update: 74 Telephone: 703-416-0223
Last EDR Contact :06/09/2017

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Source: Environmental Protection Agency
Number of Days to Update: 63 Telephone: 615-532-8599
Last EDR Contact :05/19/2017

SEMS: Superfund Enterprise Management System
Standard Environmental Record Source: Federal CERCLIS list
Search Distance: 0.333 Mile

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017 Source: EPA
Number of Days to Update: 16 Telephone: 800-424-9346
Last EDR Contact :06/08/2017

SEMS-ARCHIVE: Superfund Enterprise Management System Archive
Standard Environmental Record Source: Other Records
Search Distance: 0.333 Mile

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017 Source: EPA
Number of Days to Update: 16 Telephone: 800-424-9346
Last EDR Contact :06/08/2017

SSTS: Section 7 Tracking Systems
Standard Environmental Record Source: Other Records
Search Distance: Property

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Source: EPA
Number of Days to Update: 77 Telephone: 202-564-4203

Last EDR Contact :04/26/2017

TRIS: Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Records

Search Distance: Property

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014 Source: EPA

Number of Days to Update: 133 Telephone: 202-566-0250

Last EDR Contact :05/26/2017

TSCA: Toxic Substances Control Act

Standard Environmental Record Source: Other Records

Search Distance: Property

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Source: EPA

Number of Days to Update: 14 Telephone: 202-260-5521

Last EDR Contact :03/24/2017

UMTRA: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Source: Department of Energy

Number of Days to Update: 146 Telephone: 505-845-0011

Last EDR Contact :05/22/2017

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Records

Search Distance: Property

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Source: EPA

Number of Days to Update: 100 Telephone: 202-564-2496

Last EDR Contact :03/07/2017

US AIRS MINOR: Air Facility System Data

Standard Environmental Record Source: Other Records

A listing of minor source facilities.

Date of Government Version: 10/12/2016 Source: EPA

Number of Days to Update: 100 Telephone: 202-564-2496

Last EDR Contact :03/07/2017

US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017 Source: Environmental Protection Agency

Number of Days to Update: 36 Telephone: 202-566-2777

Last EDR Contact :03/02/2017

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Records

Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017 Source: Drug Enforcement Administration

Number of Days to Update: 93 Telephone: 202-307-1000

Last EDR Contact :05/31/2017

US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017 Source: Environmental Protection Agency

Number of Days to Update: 101 Telephone: 703-603-0695

Last EDR Contact :05/31/2017

US FIN ASSUR: Financial Assurance Information

Standard Environmental Record Source: Other Records

Search Distance: Property

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017 Source: Environmental Protection Agency

Number of Days to Update: 86 Telephone: 202-566-1917

Last EDR Contact :05/17/2017

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Records

Search Distance: Property

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Number of Days to Update: 93
Last EDR Contact :02/28/2017

Source: Drug Enforcement Administration
Telephone: 202-307-1000

US INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017
Number of Days to Update: 101
Last EDR Contact :05/31/2017

Source: Environmental Protection Agency
Telephone: 703-603-0695

US MINES: Mines Master Index File

Standard Environmental Record Source: Other Records

Search Distance: Property

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Number of Days to Update: 38
Last EDR Contact :05/31/2017

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

Standard Environmental Record Source: Other Records

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Number of Days to Update: 49
Last EDR Contact :05/31/2017

Source: USGS
Telephone: 703-648-7709

US MINES 3: Active Mines & Mineral Plants Database Listing

Standard Environmental Record Source: Other Records

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Number of Days to Update: 97
Last EDR Contact :06/02/2017

Source: USGS
Telephone: 703-648-7709

AOCONCERN: San Gabriel Valley Areas of Concern

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178

RECORD SOURCES AND CURRENCY

Last EDR Contact :03/20/2017

DOD: Department of Defense Sites

Standard Environmental Record Source: Other Records

Search Distance: 0.333 Mile

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Source: USGS

Number of Days to Update: 62 Telephone: 888-275-8747

Last EDR Contact :04/14/2017

INDIAN RESERV: Indian Reservations

Standard Environmental Record Source: Other Records

Search Distance: Property

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014 Source: USGS

Number of Days to Update: N/A Telephone: 202-208-3710

Last EDR Contact :04/14/2017

PWS: Public Water System Data

Standard Environmental Record Source: Other Records

Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013 Source: EPA

Number of Days to Update: 279 Telephone: Not Reported

Last EDR Contact :05/29/2017

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

RGA LF: Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: Not Reported
Number of Days to Update: 196
Last EDR Contact :06/01/2012

Source: Department of Resources Recycling and Recovery
Telephone: Not Reported

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: Not Reported
Number of Days to Update: 182
Last EDR Contact :06/01/2012

Source: State Water Resources Control Board
Telephone: Not Reported

EDR Hist Auto: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.125 Mile

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007
Number of Days to Update: 42
Last EDR Contact :02/21/2007

Source: EDR, Inc.
Telephone: Not Reported

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

Search Distance: 0.125 Mile

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007
Number of Days to Update: 42
Last EDR Contact :02/21/2007

Source: EDR, Inc.
Telephone: Not Reported

EDR MGP: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former Manufactured Gas Plants

Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: 08/28/2009
Number of Days to Update: 55
Last EDR Contact :11/30/2012

Source: EDR, Inc.
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5' minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW® Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW® Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services. The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

STREET AND ADDRESS INFORMATION

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APPENDIX B

SANBORN FIRE INSURANCE MAPS

3501 N. Broadway

3501 N. Broadway

Los Angeles, CA 90031

Inquiry Number: 4965983.3

June 27, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/27/17

Site Name:	Client Name:
3501 N. Broadway	Alisto Engineering Group
3501 N. Broadway	2737 North Main Street
Los Angeles, CA 90031	Walnut Creek, CA 94597-0000
EDR Inquiry # 4965983.3	Contact: AL Sevilla

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alisto Engineering Group were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 71BF-4736-82F3

PO # NA

Project NA

Maps Provided:

1970
1951
1920
1906
1894

Sanborn® Library search results

Certification #: 71BF-4736-82F3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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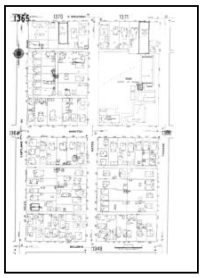
Sanborn Sheet Key

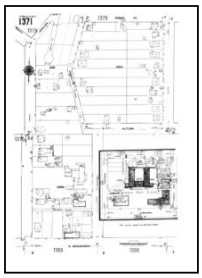
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1970 Source Sheets

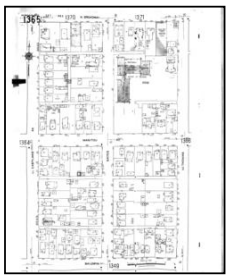

Volume 13, Sheet 1365
1970

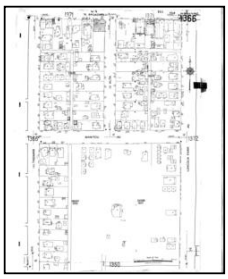
Volume 13, Sheet 1366
1970

Volume 13, Sheet 1370
1970


Volume 13, Sheet 1371
1970

1951 Source Sheets


Volume 13, Sheet 1365
1951


Volume 13, Sheet 1366
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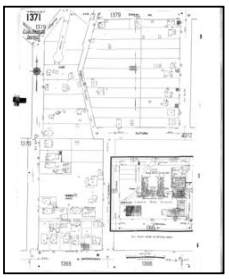
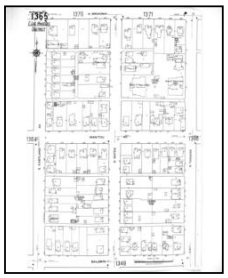
Volume 13, Sheet 1370
1951


Volume 13, Sheet 1371
1951

1920 Source Sheets


Volume 13, Sheet 1365
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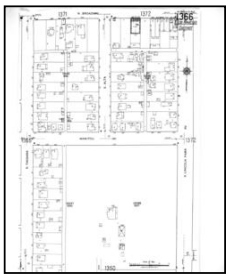
Volume 13, Sheet 1366
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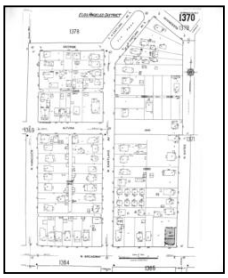
Volume 13, Sheet 1370
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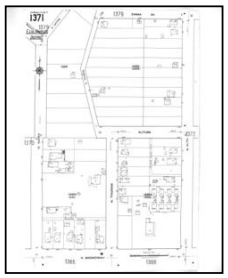
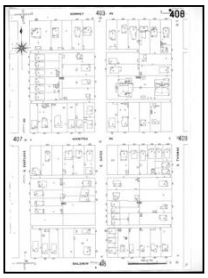

Volume 13, Sheet 1371
1920

1906 Source Sheets

Volume 4, Sheet 404
1906


Volume 4, Sheet 408
1906

Volume 4, Sheet 409
1906

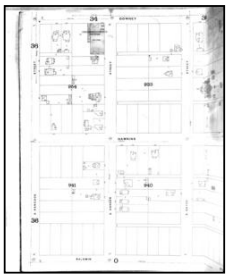
Volume 4, Sheet 403
1906

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1894 Source Sheets

Volume 1, Sheet 34
1894



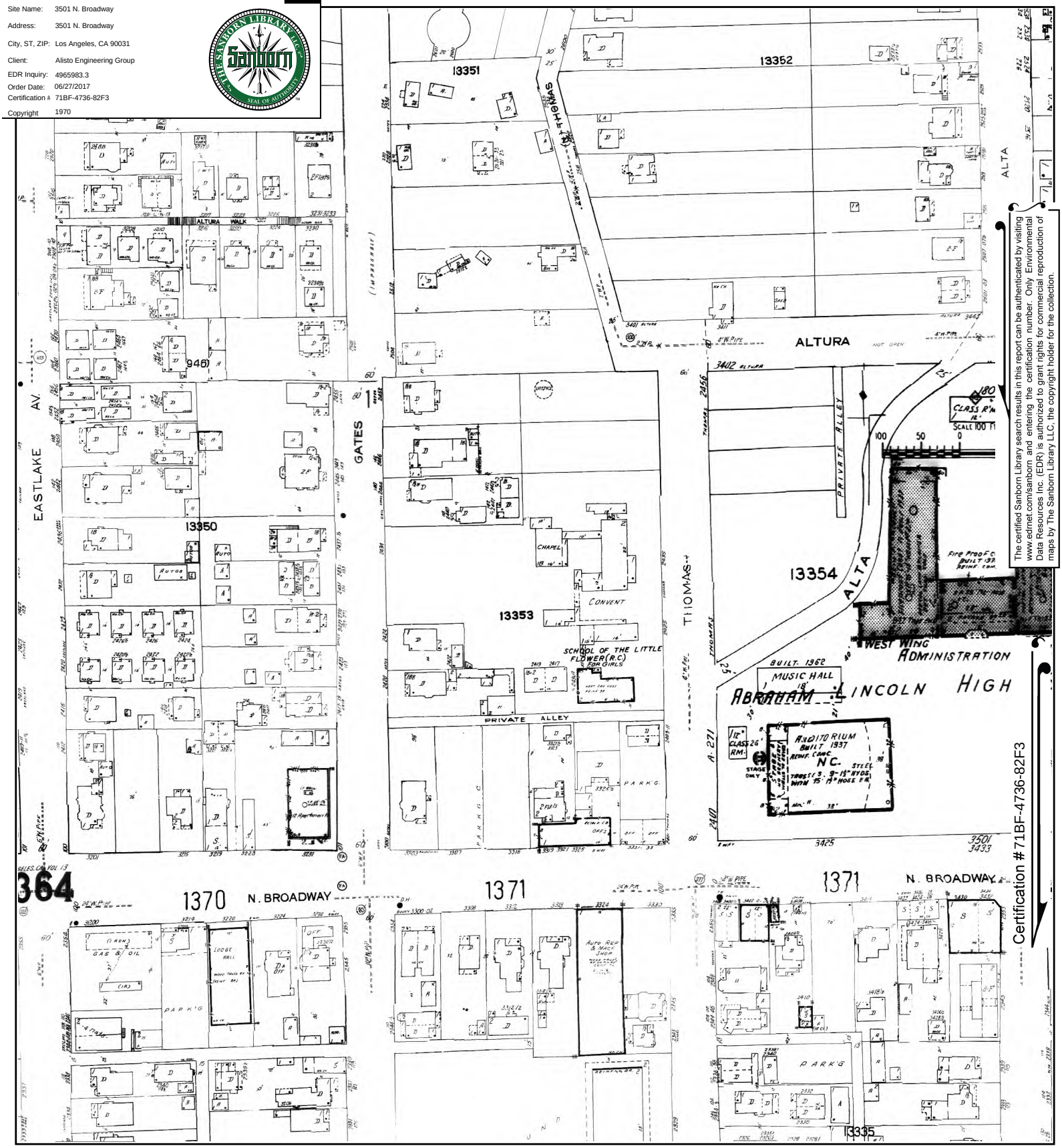
Volume 1, Sheet 37
1894

Volume 1, Sheet 37
1894

Certified Sanborn® Map

1970

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1970



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Outlined areas indicate map sheets within the collection.

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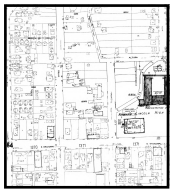
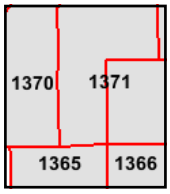




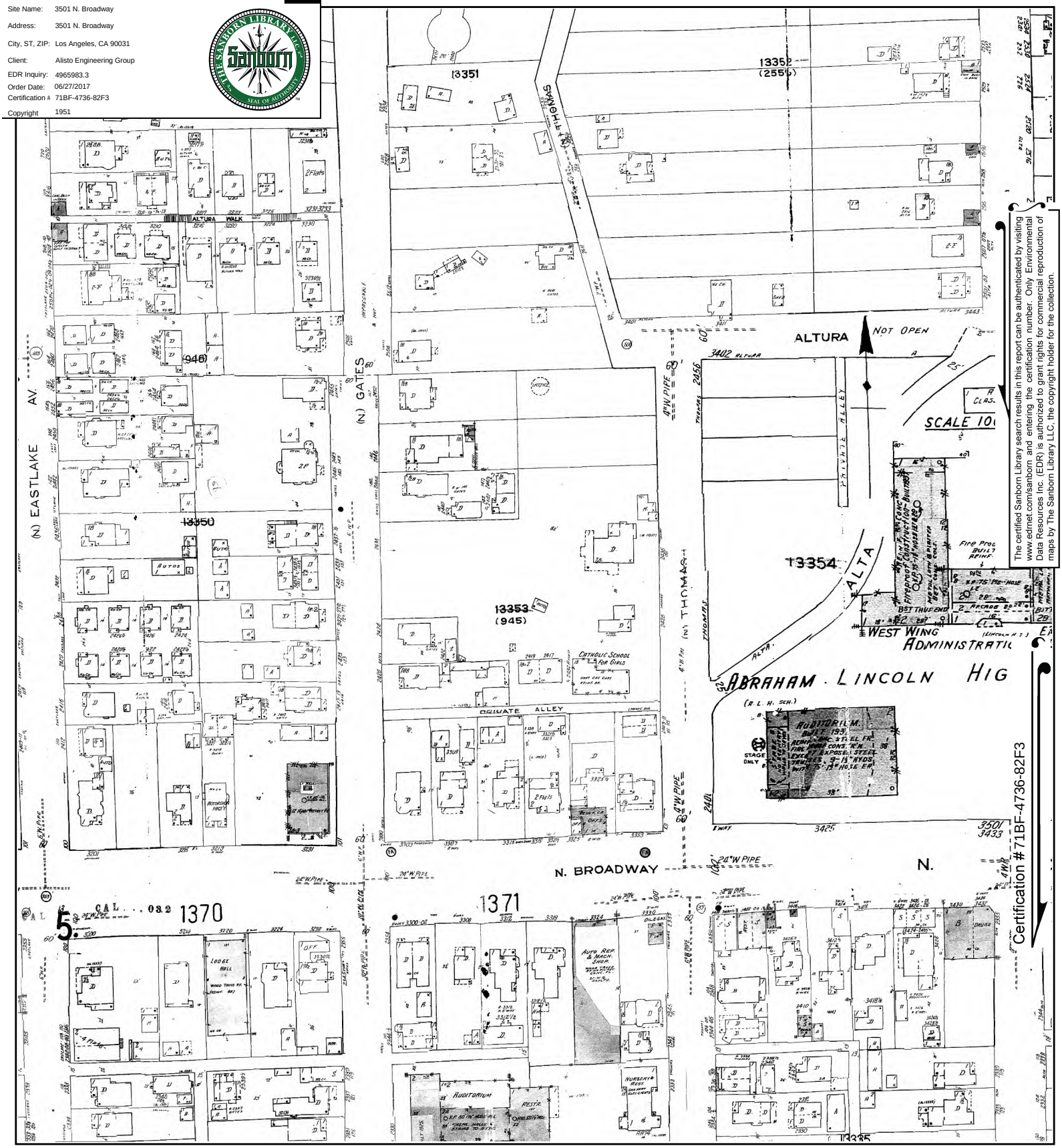
Volume 13, Sheet 1371
Volume 13, Sheet 1370
Volume 13, Sheet 1366
Volume 13, Sheet 1365

N

Certified Sanborn® Map

1951

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1951



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Outlined areas indicate map sheets within the collection.

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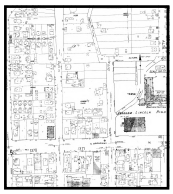
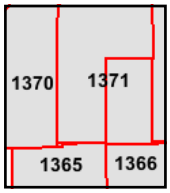




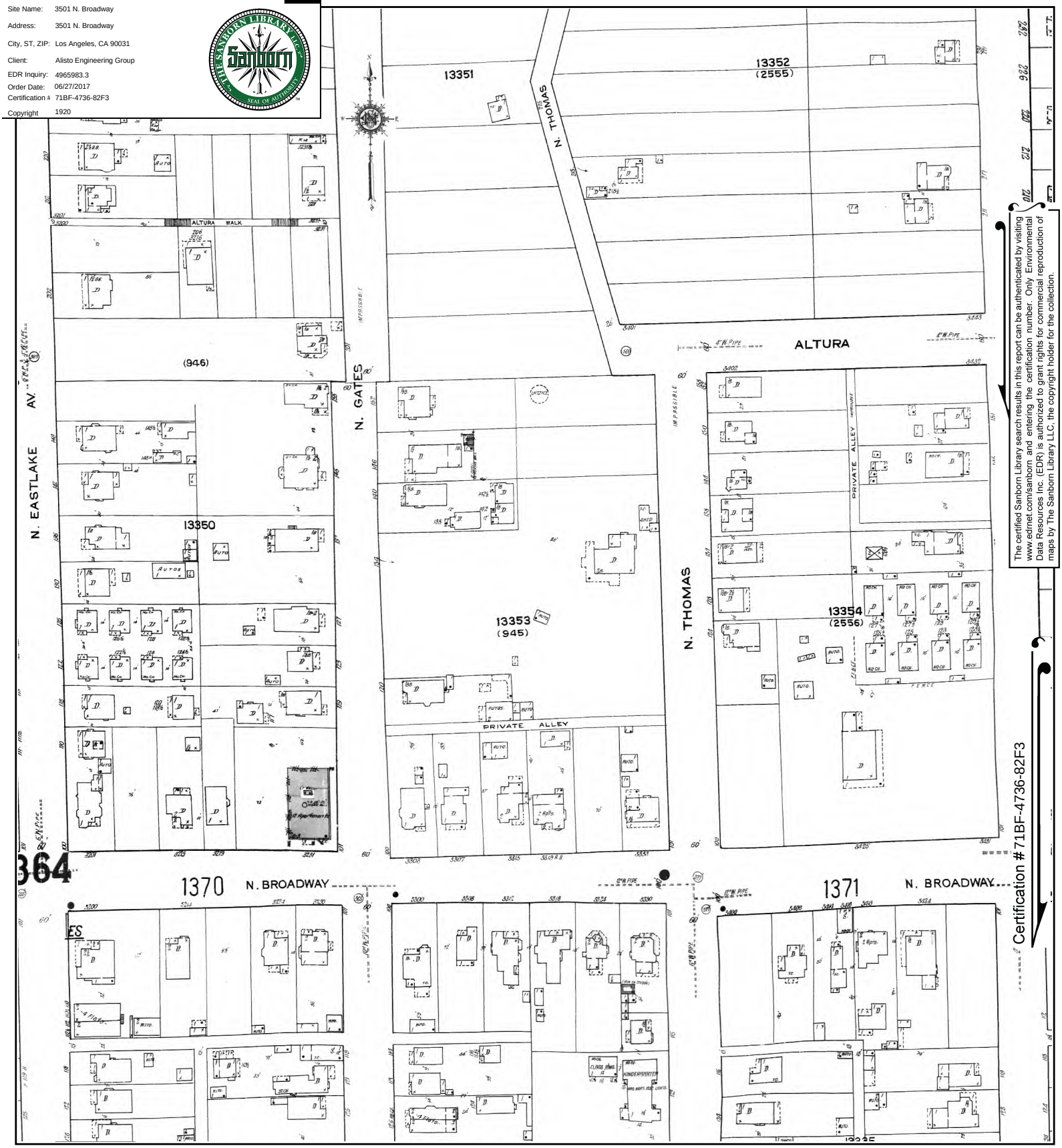
Volume 13, Sheet 1371
Volume 13, Sheet 1370
Volume 13, Sheet 1366
Volume 13, Sheet 1365

N

Certified Sanborn® Map

1920

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1920



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Outlined areas indicate map sheets within the collection.

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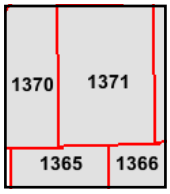

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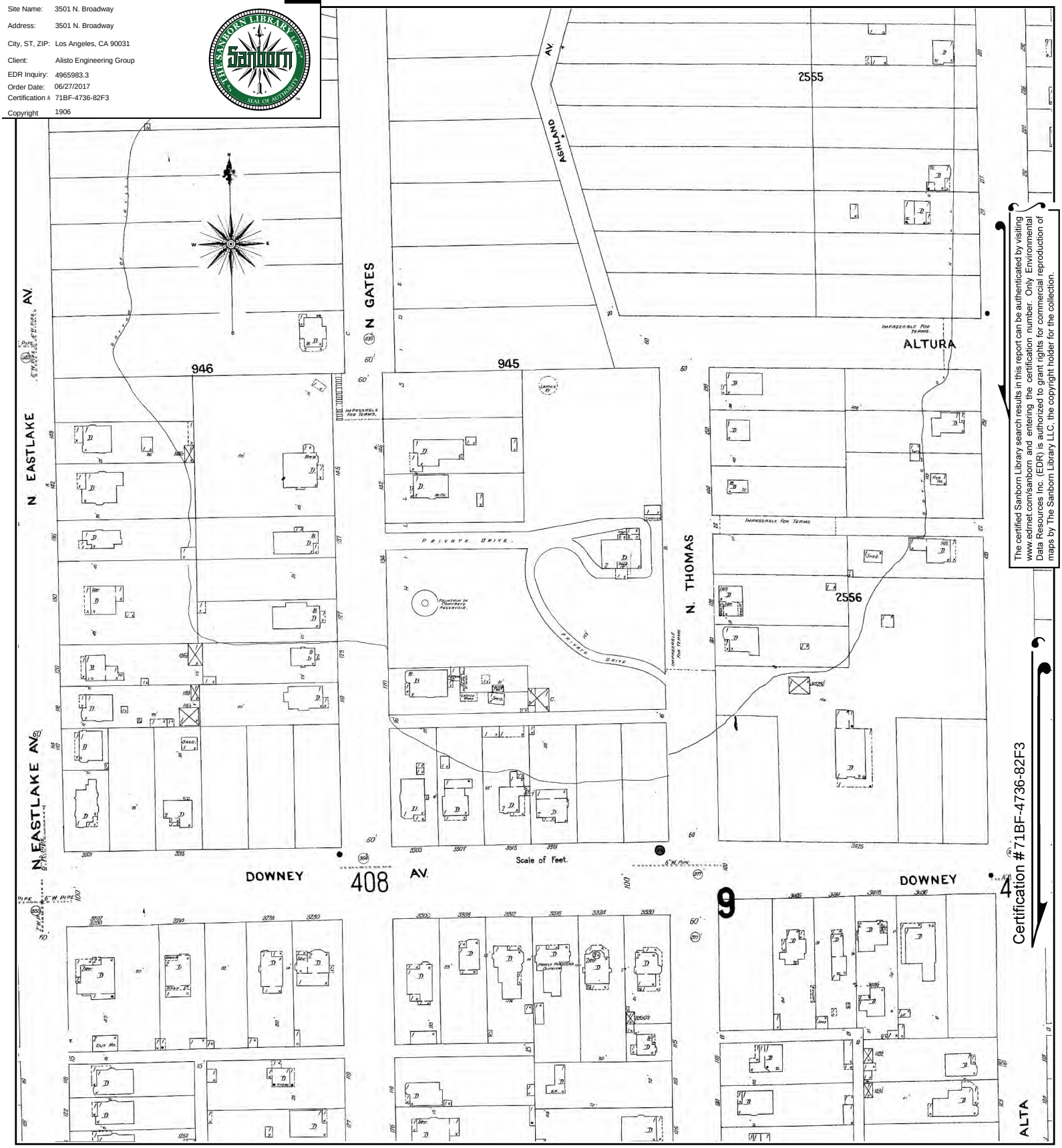
Volume 13, Sheet 1370
Volume 13, Sheet 1366
Volume 13, Sheet 1365

N

Certified Sanborn® Map

1906

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1906



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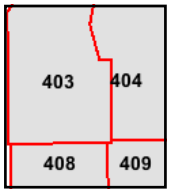


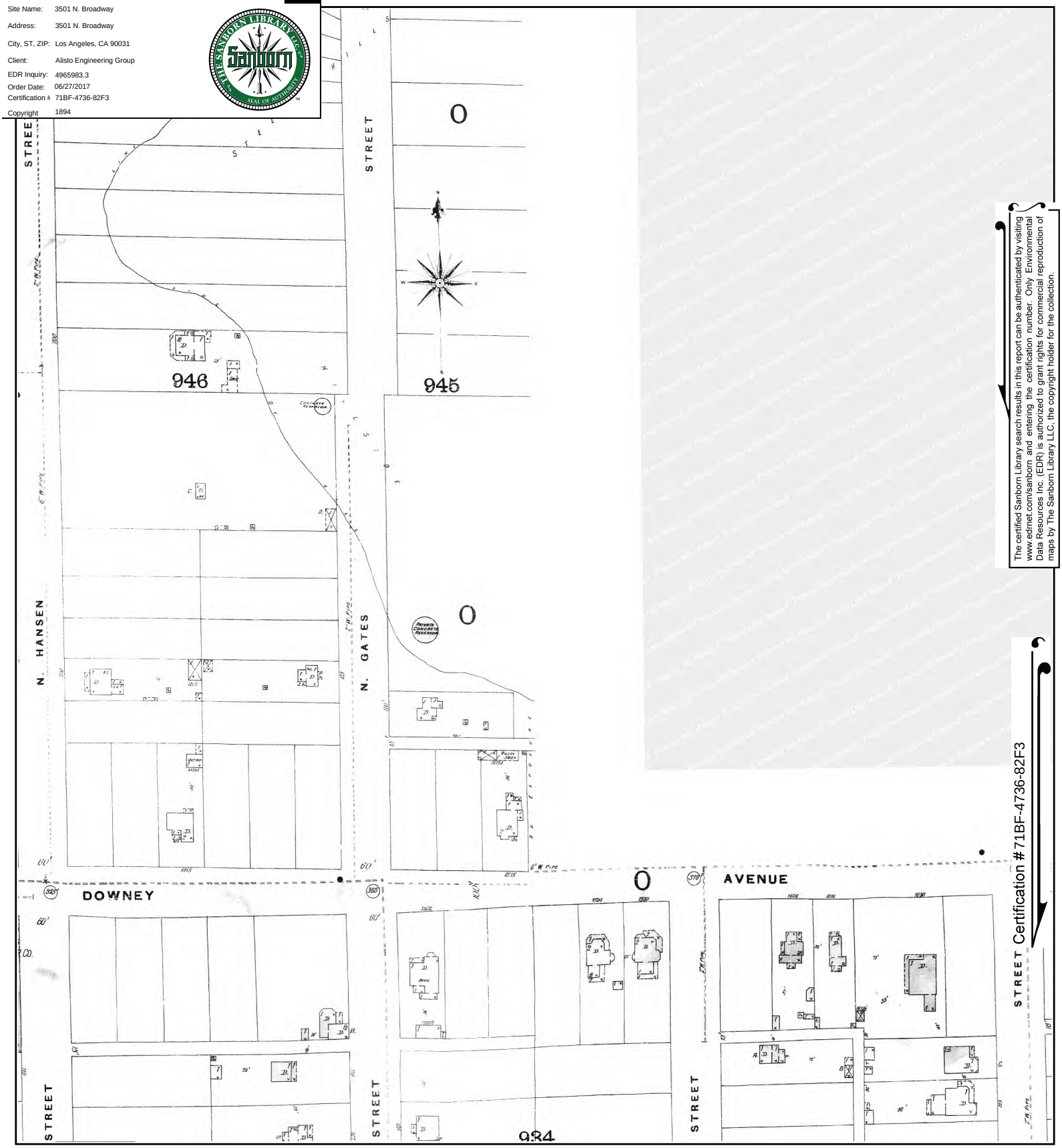
Volume 4, Sheet 403
Volume 4, Sheet 409
Volume 4, Sheet 408
Volume 4, Sheet 404

N

Certified Sanborn® Map

1894

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1894



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Certification # 71BF-4736-82F3

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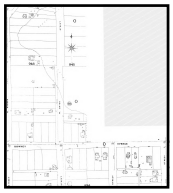

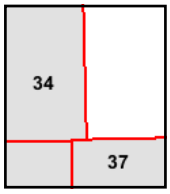

Volume 1, Sheet 37
Volume 1, Sheet 37
Volume 1, Sheet 34

N

3501 N. Broadway

3501 N. Broadway

Los Angeles, CA 90031

Inquiry Number: 4965983.3

June 27, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/27/17

Site Name:	Client Name:
3501 N. Broadway	Alisto Engineering Group
3501 N. Broadway	2737 North Main Street
Los Angeles, CA 90031	Walnut Creek, CA 94597-0000
EDR Inquiry # 4965983.3	Contact: AL Sevilla

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alisto Engineering Group were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 71BF-4736-82F3

PO # NA

Project NA

Maps Provided:

1970
1951
1920
1906
1894

Sanborn® Library search results

Certification #: 71BF-4736-82F3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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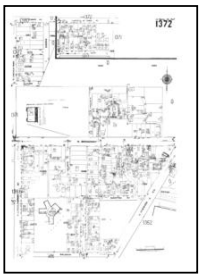
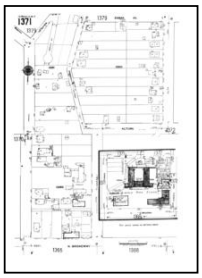
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

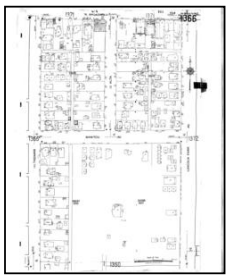
1970 Source Sheets

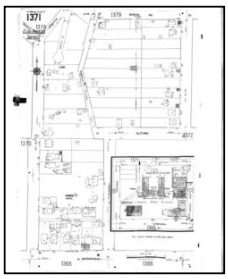
Volume 13, Sheet 1366
1970

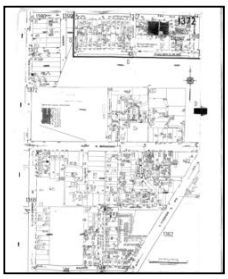

Volume 13, Sheet 1372
1970


Volume 13, Sheet 1371
1970

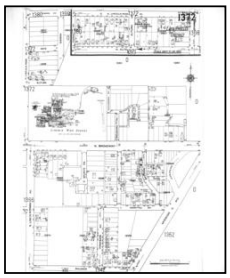
1951 Source Sheets


Volume 13, Sheet 1366
1951


Volume 13, Sheet 1371
1951


Volume 13, Sheet 1372
1951

1920 Source Sheets


Volume 13, Sheet 1372
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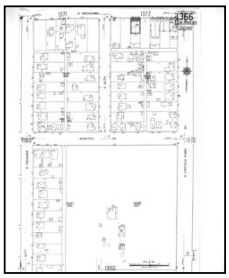
Volume 13, Sheet 1366
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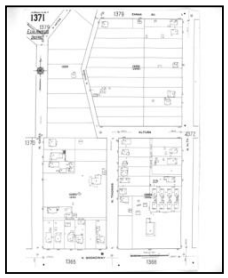
Volume 13, Sheet 1371
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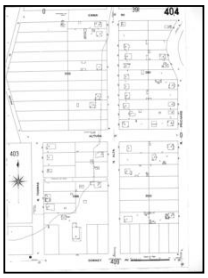
1906 Source Sheets

Volume 4, Sheet 392
1906


Volume 4, Sheet 404
1906

Volume 4, Sheet 409
1906

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

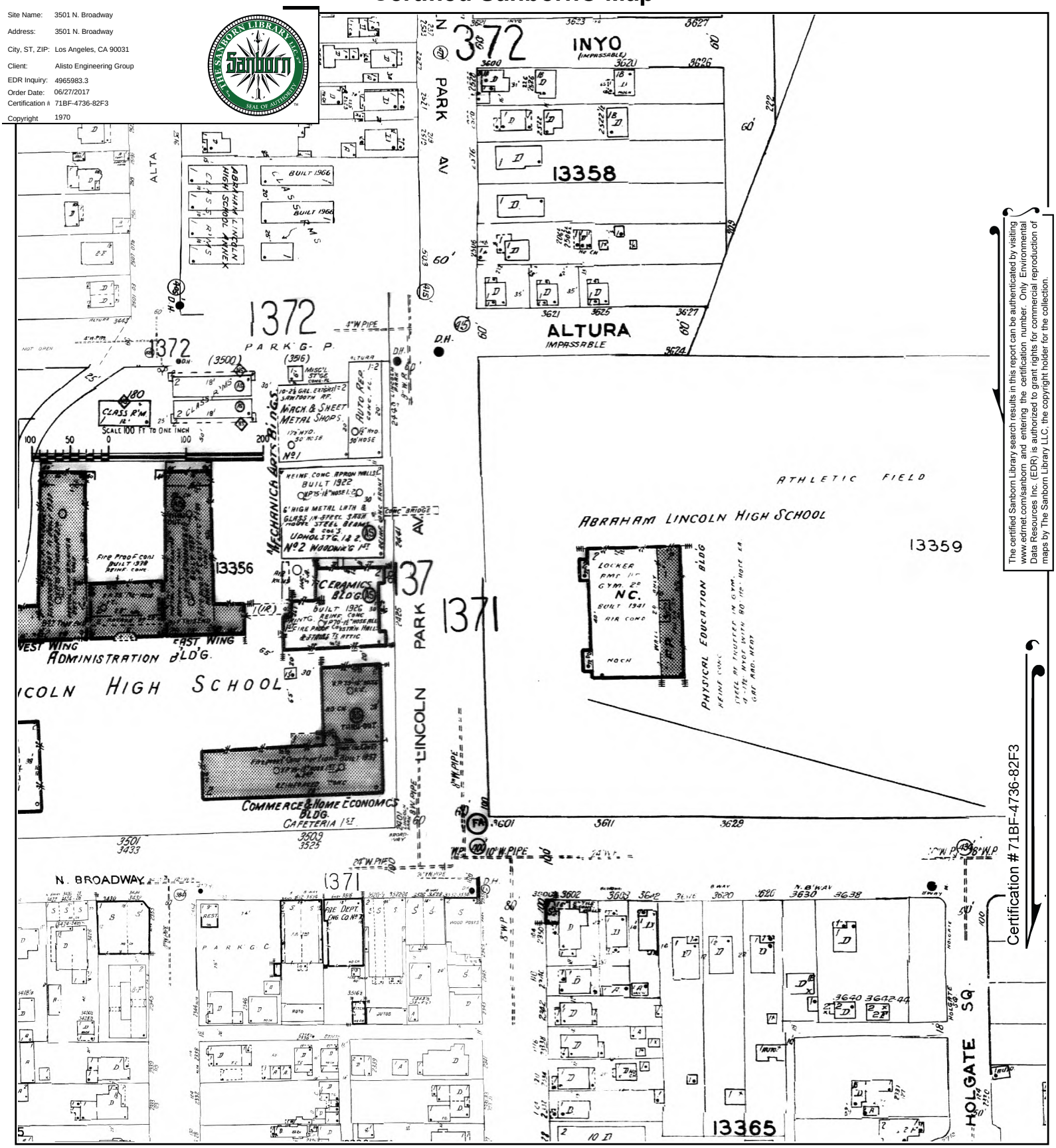
1894 Source Sheets

Volume 1, Sheet 37
1894

Certified Sanborn® Map

1970

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1970



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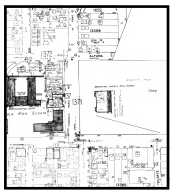
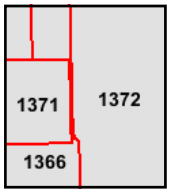




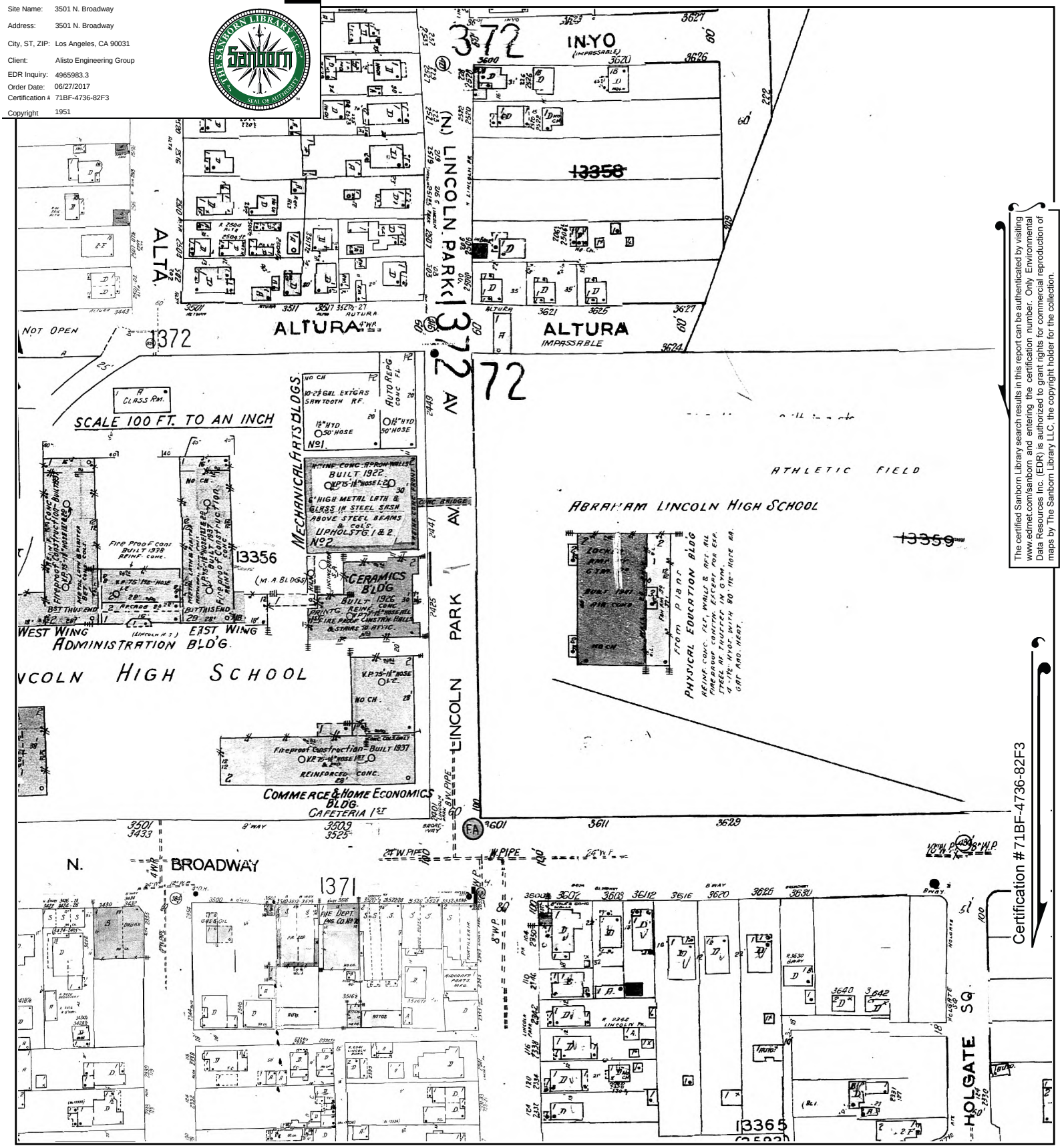
Volume 13, Sheet 1371
Volume 13, Sheet 1372
Volume 13, Sheet 1366

N

Certified Sanborn® Map

1951

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1951



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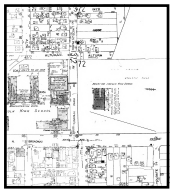

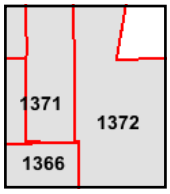

Volume 13, Sheet 1372
Volume 13, Sheet 1371
Volume 13, Sheet 1366

0 Feet 150 300 600

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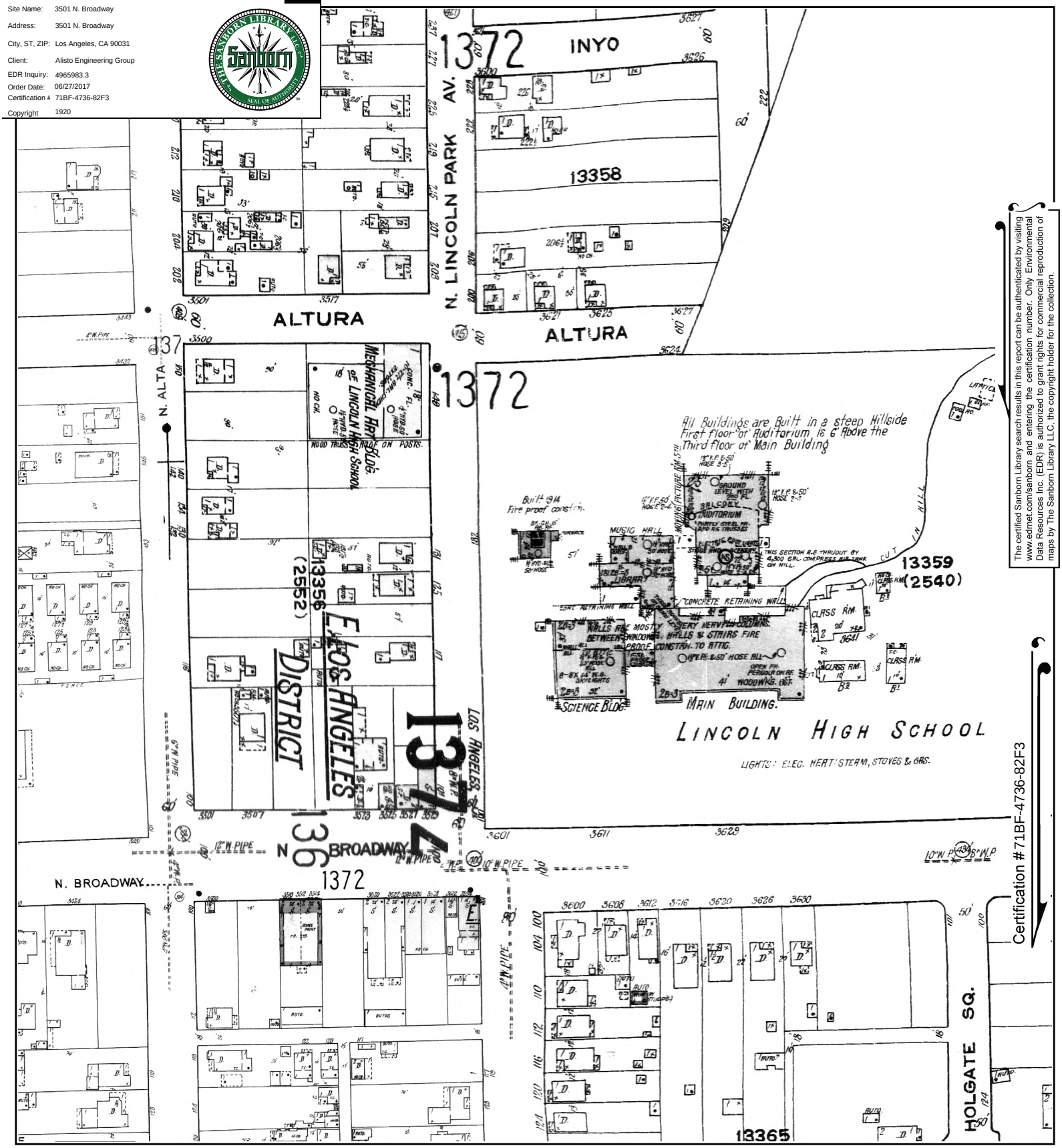
Certified Sanborn® Map

1920

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1920



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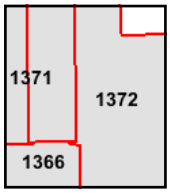

Volume 13, Sheet 1371
Volume 13, Sheet 1366
Volume 13, Sheet 1372

0 Feet 150 300 600

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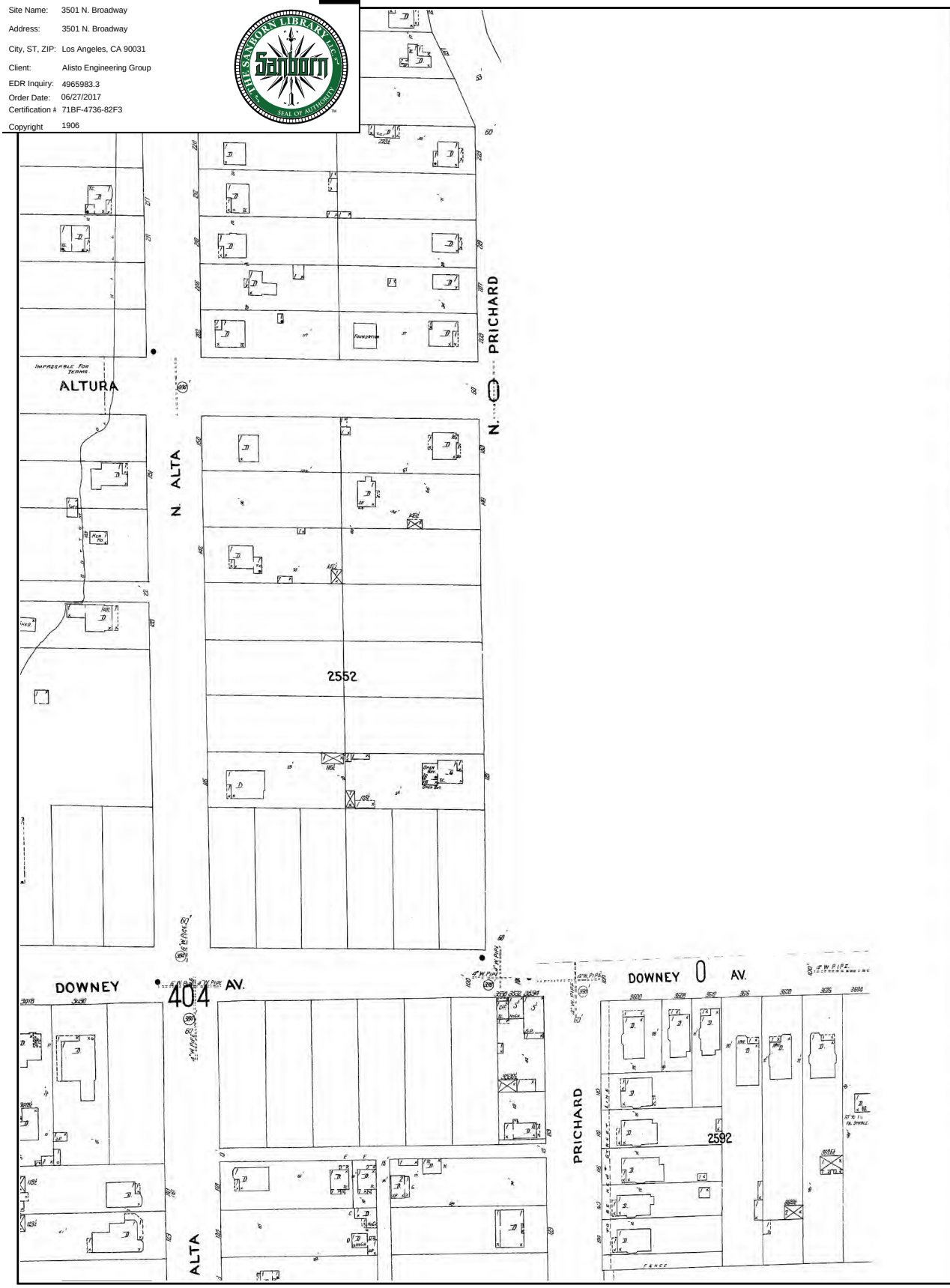
Certified Sanborn® Map

1906

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1906



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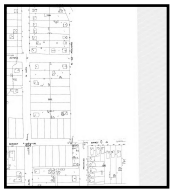

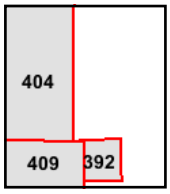

Volume 4, Sheet 409
Volume 4, Sheet 404
Volume 4, Sheet 392

N

Certified Sanborn® Map

1894

Site Name: 3501 N. Broadway
Address: 3501 N. Broadway
City, ST, ZIP: Los Angeles, CA 90031
Client: Alisto Engineering Group
EDR Inquiry: 4965983.3
Order Date: 06/27/2017
Certification # 71BF-4736-82F3
Copyright 1894

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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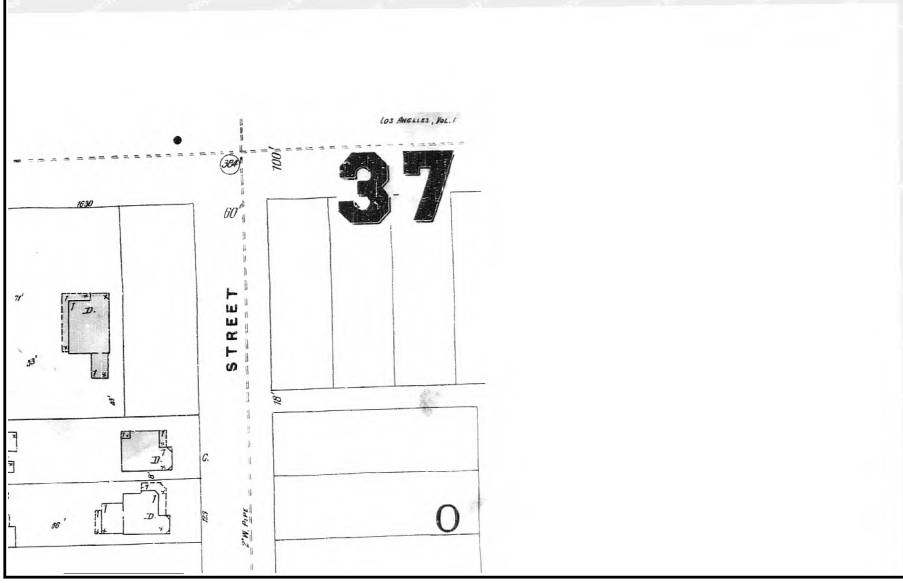

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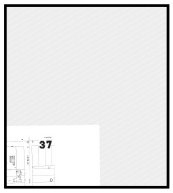

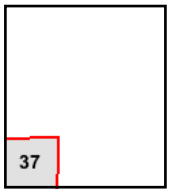

Volume 1, Sheet 37

N

APPENDIX C

CITY DIRECTORIES ABSTRACT

3501 N. Broadway

3501 N. Broadway
Los Angeles, CA 90031

Inquiry Number: 4965983.5
June 26, 2017

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2006	Haines Company, Inc.	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines & Company	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	X	X	X	-
1986	Pacific Bell	X	X	X	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	X	X	X	-
1980	Pacific Telephone	-	-	-	-
1976	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	X	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	X	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	X	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	X	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	X	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	X	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

3501 N. Broadway
Los Angeles, CA 90031

FINDINGS DETAIL

Target Property research detail.

BROADWAY N

3501 BROADWAY N

Year	Uses	Source
2000	LINCOLN HI ADLT SCH	Haines & Company
	LINCOLN HI DAY SCH	Haines & Company

N BROADWAY

3501 N BROADWAY

Year	Uses	Source
2014	LEADERSHIP IN ENT&MEDIA ARTS	EDR Digital Archive
	LOS ANGELES UNIFIED SCHOOL DST	EDR Digital Archive
2010	LOS ANGELES UNIFIED SCHL DIST	EDR Digital Archive
2006	LINCOLN HI DAY	Haines Company, Inc.
	LINCOLN HIADLT	Haines Company, Inc.
1990	LINCOLN HIGH SCHOOL COMMUNITY	Pacific Bell
1986	LINCOLN HIGH SCHOOL	Pacific Bell
1981	LINCOLN HIGH SCHOOL COMMUNITY ADULT SCHOOL	Pacific Telephone
1976	Community Adult School	Pacific Telephone
	Day High School	Pacific Telephone
	Lincoln High School	Pacific Telephone
1971	Community Adult School	Pacific Telephone
	Lincoln Community Adult School	Pacific Telephone
	Lincoln High School	Pacific Telephone
1967	Lincoln High School	Pacific Telephone
	Lincoln High School Adult Evening School	Pacific Telephone
1962	Adult Evening School	Pacific Telephone
	Lincoln High School	Pacific Telephone
1958	Lincoln High School	Pacific Telephone

FINDINGS

Year	***Uses***	***Source***
1942	Lincoln Abraham High School	Los Angeles Directory Co.
1933	De Angelis Bros Potito and Frank gas sta	Los Angeles Directory Co.
1929	De Angelis Bros Frank and Potito gas sta	Los Angeles Directory Co.
1924	MARKS Geo auto Serv Sta	Los Angeles Directory Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ALTA

2325 ALTA

Year	Uses	Source
1986	FLEDES ALVARO V	Pacific Bell
1971	Romo Jose J	Pacific Telephone
1967	Romo Jose J	Pacific Telephone
	Zavala Maria L	Pacific Telephone
1962	Trevino Martha R	Pacific Telephone

2333 ALTA

Year	Uses	Source
1942	Purple Hattie H	Los Angeles Directory Co.
	Rodd Geo S	Los Angeles Directory Co.
	HAMILTON Sarah E	Los Angeles Directory Co.

2336 ALTA

Year	Uses	Source
1981	YOUNG JACOB	Pacific Telephone
1971	Contreras E C	Pacific Telephone
1967	Contreras E C	Pacific Telephone
1942	EATON Mahlon L Marcella whsmn	Los Angeles Directory Co.
	MERCADO Robt J Eleanor	Los Angeles Directory Co.

2338 ALTA

Year	Uses	Source
1990	CONTRERAS THOS	Pacific Bell
1986	CONTRERAS THOS	Pacific Bell
1981	CONTRERAS THOS	Pacific Telephone
1971	Contreras Thos	Pacific Telephone
1967	Contreras Thos	Pacific Telephone
1962	Contreras Genaro C	Pacific Telephone
1942	Jojola Marcel Elfida caterer	Los Angeles Directory Co.
1937	Bassitz Maude Mrs	Los Angeles Directory Co.

FINDINGS

2339 ALTA

Year	Uses	Source
1990	GONZALEZ LUIS	Pacific Bell
1986	GONZALEZ LUIS	Pacific Bell
1981	GONZALEZ LUIS	Pacific Telephone
1971	Ketelsen Henry E	Pacific Telephone
1967	Ketelsen Henry E	Pacific Telephone
1962	Ketelsen Henry E	Pacific Telephone
1942	SCOTT Bertram P jr aircrftwkr	Los Angeles Directory Co.
1937	SCOTT Chas C	Los Angeles Directory Co.
	SCOTT Amy Mrs	Los Angeles Directory Co.
	SCOTT Bertram slsmn	Los Angeles Directory Co.

2344 ALTA

Year	Uses	Source
1990	MARTINEZ LAMBERTO	Pacific Bell
1986	MARTINEZ LAMBERTO	Pacific Bell
1981	MARTINEZ LAMBERTO	Pacific Telephone
1967	Fetta Peter L	Pacific Telephone
1942	Micheli Florinea Mrs	Los Angeles Directory Co.
	MICHELI Yolanda L bkpr CDG Co	Los Angeles Directory Co.
1937	Micheli Mary L emp Arco Co	Los Angeles Directory Co.
	Micheli Cecelia H drsmkr	Los Angeles Directory Co.
	Micheli Florinda wid Andw	Los Angeles Directory Co.

2345 ALTA

Year	Uses	Source
1990	ALVARENGA BLANCA	Pacific Bell
	MEX-CAL TRADING CO	Pacific Bell
1986	ALVARENGA BLANCA	Pacific Bell
	ANDRADE JOSE	Pacific Bell
	MEX-CAT TRADING CO	Pacific Bell
	ORTEGA HELEN	Pacific Bell
1981	ALVARENGA BLANCA	Pacific Telephone
	ANDRADE JOSE	Pacific Telephone
	MEX-CAL TRADINGS CO	Pacific Telephone
	ORTEGA HELEN	Pacific Telephone
1971	Kato M T imports	Pacific Telephone
	Johnson Kathy Sue	Pacific Telephone
	Lara Victoria	Pacific Telephone

FINDINGS

Year	Uses	Source
1971	Ortega Helen	Pacific Telephone
	Trejo Sara	Pacific Telephone
	Yonekawa Cleo H	Pacific Telephone
1967	Yonekawa Cleo H	Pacific Telephone
	Ortega Helen	Pacific Telephone
	Morishita Tsuneari	Pacific Telephone
	Kato M T imports	Pacific Telephone
	Katsuta Masayoshi	Pacific Telephone

2325 1/4 ALTA

Year	Uses	Source
1990	NILA EDUARDO	Pacific Bell

ALTA ST

2322 ALTA ST

Year	Uses	Source
1958	Lomonaco Jas	Pacific Telephone
1951	Alta Lomonaco Jas r	Pacific Telephone & Telegraph Co.

2326 ALTA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
1976	Zarate Florencia	Pacific Telephone
	Aguilar Jos Guadalupe	Pacific Telephone
1958	Fonteno W	Pacific Telephone
	Cooper Jane E	Pacific Telephone
1951	Alta Fonteno W r	Pacific Telephone & Telegraph Co.

2327 ALTA ST

Year	Uses	Source
2006	SHELLY Guadalupe	Haines Company, Inc.
	SHELLY Dean	Haines Company, Inc.
2000	XXXX	Haines & Company
1958	Garza Rudolph	Pacific Telephone
1951	Alta Garza Rudolph r	Pacific Telephone & Telegraph Co.

2328 ALTA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.

FINDINGS

Year	Uses	Source
1958	Edmonds J E Sr	Pacific Telephone
1951	Alta Fonteno John B Jr r	Pacific Telephone & Telegraph Co.

2329 ALTA ST

Year	Uses	Source
2000	BALDERAS Jose	Haines & Company

2332 ALTA ST

Year	Uses	Source
2006	a CONTRERAS Rose	Haines Company, Inc.
2000	CONTRERAS Ezequiel	Haines & Company

Alta St

2333 Alta St

Year	Uses	Source
2014	MIN JIM	EDR Digital Archive
2010	MIN JIM	EDR Digital Archive

ALTA ST

2333 ALTA ST

Year	Uses	Source
2006	JIM Rey	Haines Company, Inc.
	JIN Min	Haines Company, Inc.
2000	JIM Rey	Haines & Company
	JIM Rey	Haines & Company
	SUN Wei	Haines & Company
1958	Jones Bertha S	Pacific Telephone
1951	Alta Jones Bertha S r	Pacific Telephone & Telegraph Co.

2336 ALTA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1958	Olguin Emilia	Pacific Telephone
1951	Alta Arnold Dolly r	Pacific Telephone & Telegraph Co.
	Alta Jojola Marcel r	Pacific Telephone & Telegraph Co.

FINDINGS

2338 ALTA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
	CONTRERAS Thos	Haines & Company
1976	Contreras Thos	Pacific Telephone
1958	Contreras Ezequiel	Pacific Telephone
1951	N Alta Casa Romero Barbecue Caterers	Pacific Telephone & Telegraph Co.
	N Alta Romero Joe barbecuer	Pacific Telephone & Telegraph Co.

2339 ALTA ST

Year	Uses	Source
2006	GONZALEZLuis	Haines Company, Inc.
2000	GONZALEZ Luis	Haines & Company
1976	Ketelsen Henry E	Pacific Telephone
1958	Scott B Sr	Pacific Telephone
1951	Alta Scott B Sr r	Pacific Telephone & Telegraph Co.

2344 ALTA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	PARRA Fernando	Haines & Company
1976	Martinez Lamberto	Pacific Telephone
1951	Alta Fetta Peter L r	Pacific Telephone & Telegraph Co.

2345 ALTA ST

Year	Uses	Source
2006	LOPEZ Ruben	Haines Company, Inc.
2000	MAZARIEGOS Maria Angelica	Haines & Company
	LEW Jan	Haines & Company
1976	Trejo Sara	Pacific Telephone
	Ortega Helen	Pacific Telephone
	Mex Cal Trading Co	Pacific Telephone

2346 ALTA ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1958	Micheli Andrea Mrs	Pacific Telephone

FINDINGS

Alta St

2506 Alta St

Year	Uses	Source
2014	LOS ANGELES UNIFIED SCHOOL DST	EDR Digital Archive
2010	LOS ANGELES UNIFIED SCHL DIST	EDR Digital Archive

2512 Alta St

Year	Uses	Source
2014	ST JOHNS WELL CHILD	EDR Digital Archive
2010	ST JOHNS WELL CHILD	EDR Digital Archive

ALTURA

3625 ALTURA

Year	Uses	Source
1981	RODRIGUEZ MANUEL	Pacific Telephone
1962	Martinez Jose	Pacific Telephone
1937	Valente Frank	Los Angeles Directory Co.
1933	Volendo Mary Mrs	Los Angeles Directory Co.
1929	Valenta Frank h	Los Angeles Directory Co.

ALTURA ST

3621 ALTURA ST

Year	Uses	Source
1976	Vaquera A	Pacific Telephone

3625 ALTURA ST

Year	Uses	Source
2006	RODRIGUEZ	Haines Company, Inc.
	Margadta	Haines Company, Inc.
1958	Martinez Jose	Pacific Telephone

BROADWAY

3515 BROADWAY

Year	Uses	Source
1981	NAY ELEANOR MAY HTG PK	Pacific Telephone
1951	Bdway HtgPrk Sonnenburg Wm A r	Pacific Telephone & Telegraph Co.
	Bdway HtgPrk Sonnenburg Warren D r	Pacific Telephone & Telegraph Co.

FINDINGS

3534 BROADWAY

Year	Uses	Source
1981	ECHEVERRIA BILL G JR HTG PK	Pacific Telephone
1951	Bdway HtgPk Stevens Fred J r	Pacific Telephone & Telegraph Co.

3608 BROADWAY

Year	Uses	Source
1986	SANCHEZ B HTG PK	Pacific Bell
1951	Bdway HtgPrk Bishop Thelma M r	Pacific Telephone & Telegraph Co.

3612 BROADWAY

Year	Uses	Source
1981	MARTINEZ PEDRO M HTG PK	Pacific Telephone
1951	Bdway HtgPk Cantonwine Bert r	Pacific Telephone & Telegraph Co.

3613 BROADWAY

Year	Uses	Source
1981	ENGLAND CHAS A HTG PK	Pacific Telephone

3615 BROADWAY

Year	Uses	Source
1950	PACIFIC PAPER BOX CO	Pacific Telephone

3621 BROADWAY

Year	Uses	Source
1981	CHAS M HTG PK	Pacific Telephone
1951	Bdway HtgPk Costanzo Chas M r	Pacific Telephone & Telegraph Co.
	Bdway HtgPrk Steager Agnes r	Pacific Telephone & Telegraph Co.

3671 BROADWAY

Year	Uses	Source
1986	AMERICAN BOW TIE CO	Pacific Bell

3716 BROADWAY

Year	Uses	Source
1981	SPAULDING ROBT R HTG PK	Pacific Telephone
1951	Bdway HtgPrk Spaulding Robt R r	Pacific Telephone & Telegraph Co.

3804 BROADWAY

Year	Uses	Source
1981	ROSALES TONY HTG PK	Pacific Telephone

FINDINGS

3812 BROADWAY

Year	Uses	Source
1981	SIBOLE JAS K HTG PK	Pacific Telephone
1951	Bdway HtgPk Lund E E r	Pacific Telephone & Telegraph Co.

3706 1/2 BROADWAY

Year	Uses	Source
1981	CARO DAVID A HTG PK	Pacific Telephone

BROADWAY N

3331 BROADWAY N

Year	Uses	Source
2000	ROSE Michael	Haines & Company

3400 BROADWAY N

Year	Uses	Source
2000	D AND D REALTY	Haines & Company
	a 1/2 MISSION DRIVING SCHOOL	Haines & Company
	VAZQUEZ Jacob	Haines & Company

3402 BROADWAY N

Year	Uses	Source
2000	TORRES BARBER SHOP	Haines & Company

3404 BROADWAY N

Year	Uses	Source
2000	FIRESTONE GLASS CO NO	Haines & Company

3406 BROADWAY N

Year	Uses	Source
2000	TACOS DE CARNE ASADA	Haines & Company

3408 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3410 BROADWAY N

Year	Uses	Source
2000	PASTORE RADIO & TV	Haines & Company

FINDINGS

3412 BROADWAY N

Year	Uses	Source
2000	A M G BODY SHOP	Haines & Company

3418 BROADWAY N

Year	Uses	Source
2000	LEE Victor	Haines & Company
	LY Nhan	Haines & Company

3422 BROADWAY N

Year	Uses	Source
2000	RUEDAFLORES Sara	Haines & Company
	VIDEO	Haines & Company

3424 BROADWAY N

Year	Uses	Source
2000	H & M BIKE SHOP	Haines & Company

3426 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3428 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3430 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3432 BROADWAY N

Year	Uses	Source
2000	CONCHITA MARKET	Haines & Company
	LAU Danny	Haines & Company

3434 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3500 BROADWAY N

Year	Uses	Source
2000	FARIAS Javier	Haines & Company

FINDINGS

Year	Uses	Source
2000	TACO BRAVO	Haines & Company

3510 BROADWAY N

Year	Uses	Source
2000	KONGS FASHIONS	Haines & Company

3512 BROADWAY N

Year	Uses	Source
2000	DAM Bakel	Haines & Company
	LI Zi Qiong	Haines & Company
	PAN Feng Ling	Haines & Company

3514 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3516 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3520 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company
	W A INFORMATION NETWORK	Haines & Company
	MISCELLANEOUS SANTA LUCIA	Haines & Company
	a 1/2 APARICIO WM TAX SERVICE	Haines & Company
	SHLAFMAN Ilya	Haines & Company

3522 BROADWAY N

Year	Uses	Source
2000	PEREZ Castaneda Ramon	Haines & Company
	PEVEZ Maria Teresa	Haines & Company
	BARAJAS Gregoria	Haines & Company

3532 BROADWAY N

Year	Uses	Source
2000	EL PILON MARKET 2 323 221 52 S	Haines & Company

3600 BROADWAY N

Year	Uses	Source
2000	URIBE Angel	Haines & Company

FINDINGS

Year	Uses	Source
2000	EL HUARACHE DE ORO RESTAURANT	Haines & Company

3608 BROADWAY N

Year	Uses	Source
2000	MARTINEZ Celia	Haines & Company

3612 BROADWAY N

Year	Uses	Source
2000	VIZCARRA Gloria	Haines & Company
	VALDIVIA R	Haines & Company

3616 BROADWAY N

Year	Uses	Source
2000	LONGORIA Frank	Haines & Company

3626 BROADWAY N

Year	Uses	Source
2000	ONG Anthony	Haines & Company
	ONG Hoa N	Haines & Company

3630 BROADWAY N

Year	Uses	Source
2000	CRUZ Jose	Haines & Company

3638 BROADWAY N

Year	Uses	Source
2000	TURRUBIARTES Benito	Haines & Company
	BENITOS CITRUS	Haines & Company

3640 BROADWAY N

Year	Uses	Source
2000	TURRUBIARTES Eusebio	Haines & Company

3644 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

3646 BROADWAY N

Year	Uses	Source
2000	XXXX	Haines & Company

FINDINGS

HOLGATE SQ

2306 HOLGATE SQ

Year	Uses	Source
2006	SANCHEZ Ale Jandro	Haines Company, Inc.
1962	Gerdine L Van Horn Mrs	Pacific Telephone
1958	Gerdine L Van Horn Mrs	Pacific Telephone
1951	Holgte Sq Gerdine L V H Dr	Pacific Telephone & Telegraph Co.
1942	WESTPHAL Emma Mrs	Los Angeles Directory Co.

2310 HOLGATE SQ

Year	Uses	Source
2006	MATZNERTodd	Haines Company, Inc.
2000	BARRIO Ernest H	Haines & Company
1990	BARRIO ERNEST H	Pacific Bell
1986	BARRIO ERNEST H	Pacific Bell
1981	BARRIO ERNEST H	Pacific Telephone
1976	Barrio Ernest H	Pacific Telephone
1971	Barrio Ernest H	Pacific Telephone
1967	Barrio Ernest H	Pacific Telephone
1962	Barrio Ernest H	Pacific Telephone
1958	Barrio Ernest H	Pacific Telephone
1951	Holgte Sq Di Gangi Jos r	Pacific Telephone & Telegraph Co.
1942	BARNES Maude V	Los Angeles Directory Co.
	BARNES Mora	Los Angeles Directory Co.
	BARNES Quincy C	Los Angeles Directory Co.
1937	Barnes Mora sec E B Drake	Los Angeles Directory Co.

2311 HOLGATE SQ

Year	Uses	Source
2006	BARRIO Prisclla	Haines Company, Inc.
2000	BARRIO Henry	Haines & Company
1976	Barrio Henry	Pacific Telephone
1971	Poetsch O F Mrs	Pacific Telephone
1951	N Holgate Sq Poetsch O F Mrs r	Pacific Telephone & Telegraph Co.
1942	Poetsch Adele wid Otto	Los Angeles Directory Co.
	Poetsch Natalie sten	Los Angeles Directory Co.

FINDINGS

2316 HOLGATE SQ

Year	Uses	Source
2006	CORTEZMargaret	Haines Company, Inc.
2000	CORTEZ Margaret	Haines & Company
1962	Henderson Frank J	Pacific Telephone
1958	Henderson Frank J	Pacific Telephone
1951	Holgte Sq Voorhees Harry M r	Pacific Telephone & Telegraph Co.
1942	Holgate Mary wid Wm	Los Angeles Directory Co.

2321 HOLGATE SQ

Year	Uses	Source
2006	FRANCO Anrmando	Haines Company, Inc.
2000	FRANCO Yo	Haines & Company
1986	SOTO PHILIP L	Pacific Bell
1981	POTTER WALTER H	Pacific Telephone
1976	Potter Walter H	Pacific Telephone
1971	Potter Walter H	Pacific Telephone
1951	Holgte Sq Potter Walter H r	Pacific Telephone & Telegraph Co.
1942	POTTER Walter H Mary H tchr Pub Sch	Los Angeles Directory Co.
1937	POTTER Walter H tchr City Sch	Los Angeles Directory Co.

2327 HOLGATE SQ

Year	Uses	Source
2006	e LEE Esther	Haines Company, Inc.
2000	WEINSTEIN Sam	Haines & Company
	a 1/2 STANSBURY Grelzel	Haines & Company
	STANSBURY Jeffrey	Haines & Company
1990	WEINSTEIN NORMAN	Pacific Bell
1986	WEINSTEIN NORMAN	Pacific Bell
1981	WEINSTEIN NOMRAN	Pacific Telephone
1976	Lasin Linda M	Pacific Telephone
	Weinstein Norman	Pacific Telephone
1971	Stofflet Fred C	Pacific Telephone
	Weinstein Norman	Pacific Telephone
1967	Miasovsky Jos	Pacific Telephone
	Weinstein Norman	Pacific Telephone
1962	Miasovsky Jos	Pacific Telephone
	Weinstein Norman	Pacific Telephone
1958	Miasovsky Jos	Pacific Telephone
1951	Holgte Sq Brown John T r	Pacific Telephone & Telegraph Co.

FINDINGS

Year	Uses	Source
1942	Gill Jessie J Mrs tchr	Los Angeles Directory Co.

2330 HOLGATE SQ

Year	Uses	Source
2006	CORRALAlicla	Haines Company, Inc.
2000	CORRAL A	Haines & Company
1990	CORRAL MANUEL	Pacific Bell
1986	CORRAL MANUEL	Pacific Bell
	CHAN ELEANOR	Pacific Bell
	ARAGON JOSE	Pacific Bell
1981	CORRAL MANUEL	Pacific Telephone
1976	Corral Manuel	Pacific Telephone
1971	Corral Manuel	Pacific Telephone
1967	Corral Manuel	Pacific Telephone
1962	Corral Manuel	Pacific Telephone
1958	Corral Manuel	Pacific Telephone
1951	Holgte Sq Drake E B r	Pacific Telephone & Telegraph Co.
1942	FOSTER Mary maid	Los Angeles Directory Co.
	DRAKE Janeta H wid E B	Los Angeles Directory Co.
1937	DRAKE Edmund B lawyer	Los Angeles Directory Co.

2331 HOLGATE SQ

Year	Uses	Source
2006	PAINEFD	Haines Company, Inc.
	VISCONTI Paul	Haines Company, Inc.
2000	PAINE F D	Haines & Company
	BUS 9 RES 3 NEW	Haines & Company
1990	PAINE LYMAN	Pacific Bell
1986	PAINE LYMAN	Pacific Bell
1981	PAINE LYMAN	Pacific Telephone
1976	Paine Lyman	Pacific Telephone
1971	Paine Lyman	Pacific Telephone
1967	Paine Lyman	Pacific Telephone
1962	Paine Lyman	Pacific Telephone
1951	Holgate Sq Stanley Geo r	Pacific Telephone & Telegraph Co.
1942	Stanley Neva wid Geo	Los Angeles Directory Co.
1937	STANLEY Geo claim adj Howard Auto Co	Los Angeles Directory Co.

FINDINGS

2333 HOLGATE SQ

Year	Uses	Source
1942	MURPHY Maude F Mrs nurse	Los Angeles Directory Co.
	MURPHY Jas F clk	Los Angeles Directory Co.
	MURPHY Fredk H bkpr	Los Angeles Directory Co.

2327 1/2 HOLGATE SQ

Year	Uses	Source
1990	STANSBURY GRETZEL & JEFFREY	Pacific Bell

LINCOIN PARK AVE

2322 LINCOIN PARK AVE

Year	Uses	Source
1990	MENDEZ ROSA	Pacific Bell

LINCOLN HIGH DR

2411 LINCOLN HIGH DR

Year	Uses	Source
2006	HEREDIA Si Ivestra	Haines Company, Inc.

2416 LINCOLN HIGH DR

Year	Uses	Source
2006	CHING Sau	Haines Company, Inc.
2000	CHING Sau	Haines & Company
1951	Lincln High Dr Williams C A r	Pacific Telephone & Telegraph Co.
1942	BARRETT Robt lab	Los Angeles Directory Co.
	BARRETT Margt drsmkr	Los Angeles Directory Co.
1937	WILSON Henry D Vera	Los Angeles Directory Co.
	BARRETT Margt wid Robt smstrs	Los Angeles Directory Co.

2419 LINCOLN HIGH DR

Year	Uses	Source
2006	Ratana	Haines Company, Inc.
	UTHAINATAPONG	Haines Company, Inc.
2000	UTHAINATAPON R	Haines & Company
1976	Trinidad Luis M	Pacific Telephone
1967	Luzire Josephine	Pacific Telephone
1958	Whaley Walter W	Pacific Telephone
1951	Lincln High Dr Whaley Walter W r	Pacific Telephone & Telegraph Co.

FINDINGS

Year	Uses	Source
1937	ROOT Jas Beatrice	Los Angeles Directory Co.

2422 LINCOLN HIGH DR

Year	Uses	Source
2006	o TELLO Juan	Haines Company, Inc.
2000	BONANNO Andy J	Haines & Company
1942	Bon Anno Andw J Mildred mcch	Los Angeles Directory Co.
1937	Grubbs Thos W Mary acct	Los Angeles Directory Co.

2423 LINCOLN HIGH DR

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1976	Trinidad Teoduro	Pacific Telephone
1971	Wilmot Anita	Pacific Telephone
1967	McCoy Timothy A	Pacific Telephone
1962	Daubert Robt E	Pacific Telephone
1958	Juarez Raul	Pacific Telephone
1942	ROOT Jas J Betrice	Los Angeles Directory Co.
1937	ROBISON Fredk slsmn	Los Angeles Directory Co.

LINCOLN HIGH PL

3518 LINCOLN HIGH PL

Year	Uses	Source
1942	Latorre Donald actor	Los Angeles Directory Co.

3800 LINCOLN HIGH PL

Year	Uses	Source
2000	XXXX	Haines & Company
1971	Morales Melquiades	Pacific Telephone
1958	Conrique Ruth	Pacific Telephone
1951	Lincln High Pl Conrique Efrain r	Pacific Telephone & Telegraph Co.
1942	Luckenbacher Marie labrty techn CHD	Los Angeles Directory Co.
	Luckenbacher Geo E	Los Angeles Directory Co.
1937	Luckenbacher Mane bacteriologist County Health Dept	Los Angeles Directory Co.

FINDINGS

LINCOLN PAK AVE

2342 1/2 LINCOLN PAK AVE

Year	Uses	Source
1990	ESPINOZA MARIA	Pacific Bell

LINCOLN PARK

2500 LINCOLN PARK

Year	Uses	Source
1958	Ledesma Manuel M	Pacific Telephone

LINCOLN PARK AVE

2252 LINCOLN PARK AVE

Year	Uses	Source
2006	CARRILLO J	Haines Company, Inc.
2000	YU Chiu	Haines & Company
1990	YU CHIU	Pacific Bell
1986	YU CHIU	Pacific Bell
1981	YU MING S	Pacific Telephone
1976	Yu Ming S	Pacific Telephone
1958	Rodriguez Annie	Pacific Telephone
1942	Leto Rose garmt wkr	Los Angeles Directory Co.
	Leto Frank Josephine furn fnsbr	Los Angeles Directory Co.
1937	Averna Louis emp Gillespie Furn Co	Los Angeles Directory Co.
	Averna Mary Mrs	Los Angeles Directory Co.

2303 LINCOLN PARK AVE

Year	Uses	Source
2006	CHAVEZCardos	Haines Company, Inc.
2000	CHOR Hon	Haines & Company
1981	THANK VIEN	Pacific Telephone
1976	Contreras Bartola	Pacific Telephone
1942	GUTIERREZ Petra Mrs	Los Angeles Directory Co.
1937	Cape Stanley E Mary plmbr	Los Angeles Directory Co.

2304 LINCOLN PARK AVE

Year	Uses	Source
2000	XXXX	Haines & Company

FINDINGS

2306 LINCOLN PARK AVE

Year	Uses	Source
2000	XXXX	Haines & Company

2307 LINCOLN PARK AVE

Year	Uses	Source
2006	SAUChan Ueu	Haines Company, Inc.
2000	SAU Chan Lieu	Haines & Company
1951	Lincln Prk Av Corzine Lula r	Pacific Telephone & Telegraph Co.
	Lincln Prk Av Corzine Lula r	Pacific Telephone & Telegraph Co.
1937	Sergel Edwin J formn SP Co	Los Angeles Directory Co.

2308 LINCOLN PARK AVE

Year	Uses	Source
2006	OLGUIN Aejandro	Haines Company, Inc.
2000	OLGUIN Alejandro	Haines & Company

2312 LINCOLN PARK AVE

Year	Uses	Source
2006	ROSALES Carios	Haines Company, Inc.
	LARAMaria	Haines Company, Inc.
2000	AMEZOLA Manuel	Haines & Company
	MAZARIEGOS Brenda L	Haines & Company
1990	AMEZOLA RAFAEL	Pacific Bell
	ASUNCION SONIA	Pacific Bell
1986	AMEZOLA RAFAEL	Pacific Bell
1981	AMEZOLA RAFAEL	Pacific Telephone
1976	Amezola Rafael	Pacific Telephone

2313 LINCOLN PARK AVE

Year	Uses	Source
2000	XXXX	Haines & Company

2315 LINCOLN PARK AVE

Year	Uses	Source
2000	CANGIALOSI Dominick	Haines & Company
1942	Villard Rose Mrs	Los Angeles Directory Co.
	Villard Eug J msngr	Los Angeles Directory Co.
	Ricou Jack	Los Angeles Directory Co.
1937	FRASER Ray Alice trucker UP System	Los Angeles Directory Co.

FINDINGS

2316 LINCOLN PARK AVE

Year	Uses	Source
2006	VILLAJose	Haines Company, Inc.
	HERNANDEZJoel A	Haines Company, Inc.
	ALONSO Enedlna	Haines Company, Inc.
2000	RAMOS Tayde	Haines & Company
	ALONSO Maria Dolores	Haines & Company
1990	CHACON CRUZ EMILIA	Pacific Bell
	CONTRERAS AURELIO	Pacific Bell
	FLETES ANGEL	Pacific Bell
	MIRAMONTES ROBERTO	Pacific Bell
	NAVARRO A	Pacific Bell
1986	CONTRERAS AURELIO	Pacific Bell
	FLETES ANGEL	Pacific Bell
	MENDEZ ROSA	Pacific Bell
	MIRAMONTES ROBERTO	Pacific Bell
1981	FLETES ANGEL	Pacific Telephone
	RODRIGUEZ FELIPE DE JESUS	Pacific Telephone
	TORO MARIO	Pacific Telephone
	VASQUEZ FELICIANA	Pacific Telephone
	CORRAL MARIO RUBIO	Pacific Telephone
1976	Vasquez Tomas	Pacific Telephone
1951	Lincln Prk Av Perea Florenio	Pacific Telephone & Telegraph Co.

2317 LINCOLN PARK AVE

Year	Uses	Source
2006	4 MARTINEZSergiol	Haines Company, Inc.
2000	HERNANDEZ S	Haines & Company
	INIGUEZ Jose Martin	Haines & Company
	CONTRERAS Betty	Haines & Company
1990	CONTRERAS BETTY	Pacific Bell
1986	CONTRERAS BETTY	Pacific Bell
1981	CONTRERAS BETTY	Pacific Telephone
1976	Contreras Betty	Pacific Telephone
1942	Whitinger Mary J clk	Los Angeles Directory Co.
	SUTTER Earl B Lucille	Los Angeles Directory Co.
	Whitinger Geo L Mabel M wtchmn	Los Angeles Directory Co.

FINDINGS

2319 LINCOLN PARK AVE

Year	Uses	Source
2000	CUESTAS Tom	Haines & Company
	CUESTAS Rachel	Haines & Company
1990	CONTRERAS ROBERT R	Pacific Bell
1986	CONTRERAS ROBERT R	Pacific Bell
1981	CONTRERAS VICENTE C	Pacific Telephone
1976	Contreras Jose	Pacific Telephone
1951	Lincln Pk Av Benedetti Victor	Pacific Telephone & Telegraph Co.
1942	Benedetti Aug Dominica	Los Angeles Directory Co.
	Benedetti Victor J	Los Angeles Directory Co.
	Bennett Modest L formn ADT Co	Los Angeles Directory Co.
	Veerkamp Margt Mrs librn	Los Angeles Directory Co.
1937	Benedetti Aug Domenica lab	Los Angeles Directory Co.
	Benedetti Fredk J fndrywkr	Los Angeles Directory Co.
	Benedetti Victor	Los Angeles Directory Co.
	Johns Garland Mary chauf	Los Angeles Directory Co.

2322 LINCOLN PARK AVE

Year	Uses	Source
2006	DAVALOS Paula	Haines Company, Inc.
	DIEGO Nicholas	Haines Company, Inc.
	JUAREZ Francisco	Haines Company, Inc.
	MERAZRaquel	Haines Company, Inc.
	RENTERIAJose A	Haines Company, Inc.
	RODRIGUEZ Salvador	Haines Company, Inc.
	SEVILLA Jesus	Haines Company, Inc.
	APARTMENTS	Haines Company, Inc.
2000	JIMENEZ Alejandro	Haines & Company
	RODRIGUEZ Salvador	Haines & Company
	SEVILLA Jesus	Haines & Company
1990	ARREOLA MARTHA	Pacific Bell
	CRUZ CATALINA	Pacific Bell
1986	CRUZ CATALINA	Pacific Bell
	ARREOLA MARTHA	Pacific Bell
1981	GUERRERO HUMBERTO	Pacific Telephone
1976	Martinez Hortencia	Pacific Telephone
	Abitia David	Pacific Telephone
	Gomez Piedad	Pacific Telephone
	Gonzalez Abel	Pacific Telephone

FINDINGS

Year	Uses	Source
1976	Guillen Dora	Pacific Telephone

2323 LINCOLN PARK AVE

Year	Uses	Source
2006	TRAN Tal Pruong	Haines Company, Inc.
	TRUONG Cuong	Haines Company, Inc.
2000	a 1/2 TRUONG Cuong	Haines & Company
1990	TRAN TAI PHUONG	Pacific Bell
1986	TRAN TAI PHUONG	Pacific Bell
1951	Lincln Prk Av Lovetro Angelo r	Pacific Telephone & Telegraph Co.
1942	Consenary Anna wid Bartola	Los Angeles Directory Co.
	Consenary Jos fndywkr	Los Angeles Directory Co.
	Consenary Nicholas B slsmn	Los Angeles Directory Co.
	Southard Marie Mrs mach opr	Los Angeles Directory Co.
1937	Consenary Jennie	Los Angeles Directory Co.
	Consenary Joe lab	Los Angeles Directory Co.
	Consenary Nicholas	Los Angeles Directory Co.
	Karam Alex Anna	Los Angeles Directory Co.

2326 LINCOLN PARK AVE

Year	Uses	Source
2006	ORTEGA Porfirfo DIaz	Haines Company, Inc.
	IBARRA Maria	Haines Company, Inc.
	RAMOS Maria	Haines Company, Inc.
2000	RAMOS Maria	Haines & Company
	NEGRETE Santos	Haines & Company
1981	NICOLAS	Pacific Telephone
1976	Melendrez Jose	Pacific Telephone

2327 LINCOLN PARK AVE

Year	Uses	Source
2006	NGUYEN Kevin	Haines Company, Inc.
1951	N Lincln Pk Av Healy Wm Mrs r	Pacific Telephone & Telegraph Co.
1942	Maybury F firemn SFRy	Los Angeles Directory Co.
	HEALY Wm J Nettie	Los Angeles Directory Co.
1937	HEALY Wm J Nettie firemn LAFD	Los Angeles Directory Co.
	BROWN Don L Irene pntr	Los Angeles Directory Co.

FINDINGS

2328 LINCOLN PARK AVE

Year	Uses	Source
2006	BONILLA Dolores	Haines Company, Inc.
	APARTMENTS	Haines Company, Inc.
	CRISTALES Hilda	Haines Company, Inc.
	DELTORO Ana Madra	Haines Company, Inc.
	GAY Ado V	Haines Company, Inc.
	ROJAS Francisca	Haines Company, Inc.
	RUIZ Vlctorino	Haines Company, Inc.
2000	PEREZAGUILAR Karla	Haines & Company
	DELTORO Ana Maria	Haines & Company
	CARDENAS Martha	Haines & Company
1990	FAIBRE MARIA B	Pacific Bell
	GALLEGOS JOSEFINA J	Pacific Bell
	SEVILLA JESUS	Pacific Bell
	VARELA SILVESTRE	Pacific Bell
1986	FAIBRE MAIRA B	Pacific Bell
	LOPEZ JORGE	Pacific Bell
1981	CATALINA	Pacific Telephone
	ESQUIBEL RUBEN R	Pacific Telephone
1976	Salgado Esiquio	Pacific Telephone
1942	Jutronich Nick Rita cook	Los Angeles Directory Co.

2331 LINCOLN PARK AVE

Year	Uses	Source
2006	LOZANO Noe	Haines Company, Inc.
	MARTINEZ Rosa	Haines Company, Inc.
2000	HERNANDEZ G	Haines & Company
1986	DEBORA FELIX	Pacific Bell
1951	Lincln Prk Av King R A r	Pacific Telephone & Telegraph Co.
1942	HARBER Virgril O Pauline L electn	Los Angeles Directory Co.
	HARBER Geo B electn	Los Angeles Directory Co.
1937	JOHNSON Geo Ruth	Los Angeles Directory Co.

2332 LINCOLN PARK AVE

Year	Uses	Source
2006	DUARTE Arturo	Haines Company, Inc.
2000	DUARTE Arturo	Haines & Company
1990	VALDEZ JOSE	Pacific Bell
	VALDEZ ALFREDO	Pacific Bell

FINDINGS

Year	Uses	Source
1986	VALDEZ JOSE	Pacific Bell
	VALDEZ ALFREDO	Pacific Bell
1951	Lincln Prk Av Ragan Wm L Mrs	Pacific Telephone & Telegraph Co.
1942	SMITH Virgil K Lois L garmt fnshr	Los Angeles Directory Co.
	THOMAS Harry H ydmn SP Co	Los Angeles Directory Co.
	WARNER Walter W elev opr	Los Angeles Directory Co.
	SMITH Lois L Mrs nurse	Los Angeles Directory Co.
1937	Vibbero Delos	Los Angeles Directory Co.
	Klein Schmidt John wtchmn	Los Angeles Directory Co.

2333 LINCOLN PARK AVE

Year	Uses	Source
2000	XXXX	Haines & Company
1981	VALLE ANTONIO	Pacific Telephone
1976	Pena Luis	Pacific Telephone
1951	Lincln Prk Av Booth Josephine A r	Pacific Telephone & Telegraph Co.
1942	ANDERSON Oscar B Lanall pntr	Los Angeles Directory Co.
	ANDERSON Aug	Los Angeles Directory Co.
1937	Nottoff Isaac locksmith	Los Angeles Directory Co.
	SHANNON Harry A Rose	Los Angeles Directory Co.

2334 LINCOLN PARK AVE

Year	Uses	Source
2006	LASSOMarco	Haines Company, Inc.
2000	LASSO Marco	Haines & Company
1951	Lincln Pk Av McPeek Loretta N r	Pacific Telephone & Telegraph Co.
1942	Mc Peek Loretta M Mrs	Los Angeles Directory Co.
	BOYLE Phyllis waster	Los Angeles Directory Co.
	BOYLE Keith H bakerywkr	Los Angeles Directory Co.
1937	Mc Peek Chas E Loretta	Los Angeles Directory Co.
	Mc Peek Arth D	Los Angeles Directory Co.
	Boyle Frank slsmn	Los Angeles Directory Co.
	Boyle Keith clk	Los Angeles Directory Co.

2336 LINCOLN PARK AVE

Year	Uses	Source
1981	HAN SANG NGOG	Pacific Telephone
1951	Lincln Prk Av Bengoechea Tony M r	Pacific Telephone & Telegraph Co.
1942	Bathke Cora wid Herman	Los Angeles Directory Co.

Year	Uses	Source
1942	Bathke Betty L	Los Angeles Directory Co.
	Bathke Raymond H Vernice	Los Angeles Directory Co.
1937	COALE Richd E clk	Los Angeles Directory Co.
	COALE Beverly C fndrywkr	Los Angeles Directory Co.

2338 LINCOLN PARK AVE

Year	Uses	Source
2006	ROBLEDO Mar Eina	Haines Company, Inc.
	VALENZUELA	Haines Company, Inc.
	Roberto	Haines Company, Inc.
2000	FIGUEROA Ramon	Haines & Company
1986	GONZALEZ LISA M	Pacific Bell
1976	Figueroa Aurelia	Pacific Telephone
1958	Duvall John F	Pacific Telephone
1951	Lincln Pk Av Duvall John F r	Pacific Telephone & Telegraph Co.
1942	Duvall John F Mae A pntr	Los Angeles Directory Co.
	Duvall Jack C pntr	Los Angeles Directory Co.

Lincoln Park Ave

2339 Lincoln Park Ave

Year	Uses	Source
2010	JK PROPERTY INC	EDR Digital Archive
	HIGHLAND SPRINGS LINCOLN	EDR Digital Archive

LINCOLN PARK AVE

2339 LINCOLN PARK AVE

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc.
	DIEGUEZGristoval	Haines Company, Inc.
	GARCIARaul	Haines Company, Inc.
	HERNANDEZJuana	Haines Company, Inc.
	NUNEZAdefa	Haines Company, Inc.
	PAZIris	Haines Company, Inc.
	PERALTA Angaelica	Haines Company, Inc.
	RATTAY Chris	Haines Company, Inc.
2000	ZAPATA Maria	Haines & Company
1986	HAI XAN	Pacific Bell
1951	Lincln Prk Av Gonzales Gloria r	Pacific Telephone & Telegraph Co.

FINDINGS

Year	Uses	Source
1942	Michael Bert L Bertha M	Los Angeles Directory Co.
	MICHAEL Roland	Los Angeles Directory Co.

2341 LINCOLN PARK AVE

Year	Uses	Source
1990	HA LAM	Pacific Bell
1986	HA LAM	Pacific Bell
1981	LOZANO SARAH	Pacific Telephone
1976	Lozano Sarah	Pacific Telephone
1958	Eshom Henry L	Pacific Telephone
1951	Lincln Prk Av Eshom Henry L r	Pacific Telephone & Telegraph Co.

2342 LINCOLN PARK AVE

Year	Uses	Source
2006	DURANGeorge	Haines Company, Inc.
2000	OROZCO Carmen	Haines & Company
1976	Espinoza Maria	Pacific Telephone
1962	Peluce Floro	Pacific Telephone
1958	Peluce Floro	Pacific Telephone
1951	Lincln Prk Av Peluce Floro r	Pacific Telephone & Telegraph Co.
1942	Caligiuri John	Los Angeles Directory Co.
	Empson Kenneth Elsie M stereo	Los Angeles Directory Co.
1937	Jessup Ferneil clk	Los Angeles Directory Co.
	Jessup John jr	Los Angeles Directory Co.
	Jessup John A Grace carp	Los Angeles Directory Co.

2343 LINCOLN PARK AVE

Year	Uses	Source
1986	ZEPEDA CANCEPCION	Pacific Bell
1981	RUBIO MIGUEL	Pacific Telephone
1976	Leon Tomas	Pacific Telephone
	Ruiz Robt	Pacific Telephone

Lincoln Park Ave

2345 Lincoln Park Ave

Year	Uses	Source
2010	VENTURE DIRECT LLC	EDR Digital Archive

FINDINGS

LINCOLN PARK AVE

2345 LINCOLN PARK AVE

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc.
	GARAY Maria	Haines Company, Inc.
	GONZALEZ Selia	Haines Company, Inc.
	HERNANDEZ Pascal	Haines Company, Inc.
	LUQUIN Silvia	Haines Company, Inc.
	SILVAJose	Haines Company, Inc.
	VICENTE Pablo M	Haines Company, Inc.
2000	APARTMENTS BOJOROQUEZ Rina M	Haines & Company
	CONTRERAS Thomas	Haines & Company
	GARCIA Mary V	Haines & Company
	GONZALEZ Antonia Isela	Haines & Company
	GUTIERREZ Octaviano	Haines & Company
	LUQUIN Silvia	Haines & Company
	SANCHES Martha M	Haines & Company
	VONG On A	Haines & Company
1986	TONY S MINI MARKET	Pacific Bell
1951	Lincln Prk Rhone Mfg Co	Pacific Telephone & Telegraph Co.

2346 LINCOLN PARK AVE

Year	Uses	Source
2006	LONGORIA Frank	Haines Company, Inc.
	GUTIERREZ Felcidas	Haines Company, Inc.
2000	GUTIERREZ Felicitas	Haines & Company
	LONGORIA Frank	Haines & Company
1990	GUTIERREZ FELICITAS	Pacific Bell
1986	GUTIERREZ FELICITAS	Pacific Bell
1981	GUTIERREZ FELICITAS	Pacific Telephone
1958	Peluce Jas	Pacific Telephone
1951	Lincln Prk Av Peluce Jas r	Pacific Telephone & Telegraph Co.
1942	STONE Geo W Beulah firemn SP Co	Los Angeles Directory Co.

2349 LINCOLN PARK AVE

Year	Uses	Source
2006	MERCADO MIguel	Haines Company, Inc.
	MORALES Maria	Haines Company, Inc.
	MORALES Maria	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2000	BONILLA Dolores	Haines & Company
	GOMEZ Apolonio	Haines & Company
1990	SANCHEZ GLORIA	Pacific Bell
1981	JIMENEZ PETRONILO	Pacific Telephone
1976	Fregoso Godoleva	Pacific Telephone
	Rubio Miguel	Pacific Telephone
	Valle Antonio	Pacific Telephone
1951	Di Fiore Roger r	Pacific Telephone & Telegraph Co.
	Rico Alfledo	Pacific Telephone & Telegraph Co.
	Lincln Pk Av	Pacific Telephone & Telegraph Co.
	Hoodenpyle Barnette r	Pacific Telephone & Telegraph Co.
	Rico Antonia	Pacific Telephone & Telegraph Co.
1942	Di Fiore Dorothy E	Los Angeles Directory Co.
	Di Fiore Roger slsmn	Los Angeles Directory Co.
	HENDERSON Mildred sten	Los Angeles Directory Co.
	Hodson Chas H Mary	Los Angeles Directory Co.
	Hoodenpyl Barnett B Viola L pntr	Los Angeles Directory Co.
	Ladenberg Rose M sten	Los Angeles Directory Co.
	MARTIN Guy I mech	Los Angeles Directory Co.
	MILLS Ila Mrs Indywkr Genl Hosp	Los Angeles Directory Co.
	SHELTON Norma fctywkr	Los Angeles Directory Co.
	STONE Ruth sten	Los Angeles Directory Co.
	Veazey Pearl M Mrs	Los Angeles Directory Co.
1937	BISHOP Apartments	Los Angeles Directory Co.
	Bitner H acct	Los Angeles Directory Co.
	BROWN Wm N Mary mgr Bishop Apts	Los Angeles Directory Co.
	Hodson C H Bertha miner	Los Angeles Directory Co.
	MOORE Anton C Anna atdt Genl Hosp	Los Angeles Directory Co.
	PATTERSON H lab	Los Angeles Directory Co.
	Sylvis Clyde Mary lab	Los Angeles Directory Co.

2350 LINCOLN PARK AVE

Year	Uses	Source
2000	XXXX	Haines & Company
1986	SANTOS JAS	Pacific Bell
1976	Ramos Margarita	Pacific Telephone
1951	Lincln Prk Av Tippett Nora r	Pacific Telephone & Telegraph Co.
1942	Redwin Wm Emma A	Los Angeles Directory Co.
1937	Ackenback Carmen wid Danl	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	Ackenback Jas eng	Los Angeles Directory Co.

2500 LINCOLN PARK AVE

Year	Uses	Source
2006	ESPERANZA Fidelia	Haines Company, Inc.
2000	LEDESMA Manuel	Haines & Company
	SOLI Terra	Haines & Company
1990	RODRIGUEZ JESUS	Pacific Bell
1951	Lincln Prk Av Ledesma Manuel M r	Pacific Telephone & Telegraph Co.
1942	Frias Marie J pkr	Los Angeles Directory Co.
1937	Frias Jessie wid Jose	Los Angeles Directory Co.

2501 LINCOLN PARK AVE

Year	Uses	Source
2000	BANAYAN Mehran	Haines & Company

2503 LINCOLN PARK AVE

Year	Uses	Source
1951	Lincln Prk Av Vera Eliceo B r	Pacific Telephone & Telegraph Co.
1942	Villarreal Fausto prs opr	Los Angeles Directory Co.
	Sierra Antonio G reprmn SP Co	Los Angeles Directory Co.
1937	Villareal Carlos	Los Angeles Directory Co.

2506 LINCOLN PARK AVE

Year	Uses	Source
2006	CHAVEZ Guillermnno	Haines Company, Inc.
2000	CHAVEZ Guillermo	Haines & Company
1951	Lincln Pk Av Ring Charles A r	Pacific Telephone & Telegraph Co.
1942	RING Margt ofc nurse P W Leemon	Los Angeles Directory Co.
	Ring Chas Mary tailor	Los Angeles Directory Co.
1937	Ansoorian Sol Dora	Los Angeles Directory Co.
	Ring Chas Mary clo prsr	Los Angeles Directory Co.

2507 LINCOLN PARK AVE

Year	Uses	Source
1951	Lincln Prk Av Aguayo Marina Mrs r	Pacific Telephone & Telegraph Co.
1942	Ahumada Frank Marina restrwkr	Los Angeles Directory Co.
1937	Ahumade Frank Marina	Los Angeles Directory Co.

FINDINGS

2515 LINCOLN PARK AVE

Year	Uses	Source
1951	Lincln Prk Av Branch Bob r	Pacific Telephone & Telegraph Co.
1942	Trusdell Clara E wid Jas	Los Angeles Directory Co.
1937	Arias Lucille wid Sebastian	Los Angeles Directory Co.

2323 1/2 LINCOLN PARK AVE

Year	Uses	Source
1990	TRUONG CUONG	Pacific Bell

2342 1/2 LINCOLN PARK AVE

Year	Uses	Source
1986	ESPINOZA MARIA	Pacific Bell

2343 1/2 LINCOLN PARK AVE

Year	Uses	Source
1986	COBOS JUAN JOSE	Pacific Bell
1981	GARCIA SANDRA	Pacific Telephone

N Broadway

3400 N Broadway

Year	Uses	Source
2010	MISSION DRIVING SCHOOL	EDR Digital Archive

N BROADWAY

3400 N BROADWAY

Year	Uses	Source
1937	LEVY Richd W dentist	Los Angeles Directory Co.

N Broadway

3404 N Broadway

Year	Uses	Source
2014	AMERICAN TAX SERVICE	EDR Digital Archive

3406 N Broadway

Year	Uses	Source
2010	ARMEX KABOB RESTAURANT	EDR Digital Archive

3414 N Broadway

Year	Uses	Source
2014	AMG BODY SHOP INC	EDR Digital Archive
2010	AMG BODY SHOP INC	EDR Digital Archive

3424 N Broadway

Year	Uses	Source
2014	H & M BIKE SHOP	EDR Digital Archive
2010	H & M BIKE SHOP	EDR Digital Archive

3426 N Broadway

Year	Uses	Source
2014	RASPADOS NAYARIT	EDR Digital Archive
2010	RASPADOS NAYARIT	EDR Digital Archive

3432 N Broadway

Year	Uses	Source
2014	CONCHITA MARKET	EDR Digital Archive
2010	CONCHITA MARKET	EDR Digital Archive

N BROADWAY

3500 N BROADWAY

Year	Uses	Source
2006	TACO BRAVO	Haines Company, Inc.
1990	TACO BRAVO	Pacific Bell
1986	CORINAS HAMBURGERS	Pacific Bell
1976	Corinas Hamburgers	Pacific Telephone
1971	Orange Julius	Pacific Telephone
1967	ORANGE JULIUS OF AMERICA Orange Julius Stores	Pacific Telephone
1962	Bobs Special Serv	Pacific Telephone
1958	Bobs Special Serv	Pacific Telephone
1942	Al and Butch Service Station A E and H J Perez	Los Angeles Directory Co.
1937	Sylvis Edwin R Helen confy	Los Angeles Directory Co.
1933	MOORE Milburn cigars	Los Angeles Directory Co.
1924	Aiello Salvatoro shoemkr	Los Angeles Directory Co.

3507 N BROADWAY

Year	Uses	Source
1933	KIRBY Thurston slsmn	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1933	KIRBY Geo D swamper L A Scap Co	Los Angeles Directory Co.
	KIRBY Elisha Margt slsmn	Los Angeles Directory Co.
	KIRBY Edw W Kirby Bros	Los Angeles Directory Co.
	KIRBY Chas N Nellie clk	Los Angeles Directory Co.
	Manerian Julia	Los Angeles Directory Co.
1924	Pursell Mary S r	Los Angeles Directory Co.
	Pursell Henry cabtmkr r	Los Angeles Directory Co.
	Pursell Arthur cabtmkr h	Los Angeles Directory Co.

3508 N BROADWAY

Year	Uses	Source
1942	Mc Peek Chas E	Los Angeles Directory Co.
1924	Mc FARLANE John A rest	Los Angeles Directory Co.

3509 N BROADWAY

Year	Uses	Source
1958	Lincoln High School Adult Evening School	Pacific Telephone

N Broadway

3510 N Broadway

Year	Uses	Source
2014	APARICIO WILLIAM TAXES SERVICE	EDR Digital Archive
	ROMEYS CAFE IN HEIGHTS	EDR Digital Archive
2010	ROMEYS CAFE IN HEIGHTS	EDR Digital Archive
	APARICIO WILLIAM TAXES SERVICE	EDR Digital Archive

N BROADWAY

3510 N BROADWAY

Year	Uses	Source
2006	TANS FASHIONS	Haines Company, Inc.
1990	EL PUEBLO FURNISHER	Pacific Bell
	IMPERIAL SALES CO APPLS	Pacific Bell
1976	Imperial Sales Co appls	Pacific Telephone
	Lar Realty	Pacific Telephone
	Matias T V Service	Pacific Telephone
1971	Imperial Sales Co appls	Pacific Telephone
	Lar Realty	Pacific Telephone
1967	Freds Furniture	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	Freds Tropical Fish	Pacific Telephone
	Santos Fred Freds Furniture	Pacific Telephone
1962	Lincoln Appliance Specialists	Pacific Telephone
	Lincoln Appliance Specialists	Pacific Telephone
1958	Lincoln Dye Works	Pacific Telephone
1942	LLOYD Fred D Dorothy M clo cnr	Los Angeles Directory Co.
1933	Lloyd Fred D Dorothy A clo clnr	Los Angeles Directory Co.
1924	Rasmussen John D gro and meats	Los Angeles Directory Co.

3511 N BROADWAY

Year	Uses	Source
1937	CLARK John F Fern restr	Los Angeles Directory Co.
1933	Korf Howard J Agnes restr	Los Angeles Directory Co.

N Broadway

3512 N Broadway

Year	Uses	Source
2014	MISSION ROAD CAR WASH	EDR Digital Archive

N BROADWAY

3512 N BROADWAY

Year	Uses	Source
2006	DAMQuan Tuyet	Haines Company, Inc.
	KUANG Yu Lian	Haines Company, Inc.
	LI Zi Qiong	Haines Company, Inc.
	PHU San Nang	Haines Company, Inc.
1990	RUBIO EUSEBIO	Pacific Bell
1986	LUNA SERAFIN	Pacific Bell
	GONZALEZ WALDO NOLASCO	Pacific Bell
1971	Perrone Robt	Pacific Telephone
	Rodriguez Richard B	Pacific Telephone
1967	Perrone Robt	Pacific Telephone
	Rodriguez Richard B	Pacific Telephone
1962	Perrone Robt	Pacific Telephone
	Rodriguez Carmen Lucia	Pacific Telephone
	Rodriguez Richard B	Pacific Telephone
1958	Benavides Matilda	Pacific Telephone
	Rodriguez Richard B	Pacific Telephone

FINDINGS

Year	Uses	Source
1942	HANRAHAN Apartments	Los Angeles Directory Co.
	HANRAHAN Sarah E wid J WHanrahan Apts	Los Angeles Directory Co.
	HOWARD Carrie H fctywkr	Los Angeles Directory Co.
	Mc Kiernan Dehue	Los Angeles Directory Co.
	Mc KINNEY Amelia Mrs	Los Angeles Directory Co.
	Powers Elmer	Los Angeles Directory Co.
	Trump Henrietta Mrs	Los Angeles Directory Co.
	WAGNER Mary L clk	Los Angeles Directory Co.
1937	HANRIHAN Sarah E Mrs	Los Angeles Directory Co.
	Moberly Chas clk Davis Optical Co	Los Angeles Directory Co.
	Moberly Martin H	Los Angeles Directory Co.
	Trump Henrietta Mrs	Los Angeles Directory Co.
	Trump Roberta	Los Angeles Directory Co.
1933	CRAWLEY Kenneth A jan	Los Angeles Directory Co.
	DALY Edna Mrs	Los Angeles Directory Co.
	HANRIHAN Sarah E wid J W	Los Angeles Directory Co.
	HARRISON Jennie Mrs	Los Angeles Directory Co.
	KIRBY Chas M clk	Los Angeles Directory Co.
	Pressler Chas R ydmn SPCo	Los Angeles Directory Co.
	Trump Etta Mrs clk	Los Angeles Directory Co.
1929	CLARK Elmer Margt blrmkr	Los Angeles Directory Co.
	HANRIHAN Apartments	Los Angeles Directory Co.
	HANRIHAN Sarah E Mrs apts	Los Angeles Directory Co.
	HARRISON Jennie Mrs	Los Angeles Directory Co.
	Komra Kath smstrs	Los Angeles Directory Co.
	Ricks Alva Bertha amusement h	Los Angeles Directory Co.
1924	Hanrihan Apartments	Los Angeles Directory Co.
	Hanrihan Sarah E wid J W apts	Los Angeles Directory Co.
	JONES Clarence h	Los Angeles Directory Co.
	ROBINSON Garnett W clk h	Los Angeles Directory Co.
	SCHNELL J h	Los Angeles Directory Co.
	Sullival A L mech h	Los Angeles Directory Co.
	Whetstone Cecil T bkbndr h	Los Angeles Directory Co.

3514 N BROADWAY

Year	Uses	Source
1971	Broadway Beauty Salon	Pacific Telephone
1967	LILLIANS HAIR STYLING CENTER	Pacific Telephone

FINDINGS

Year	Uses	Source
1962	California Box Lunch and Catering Co	Pacific Telephone
	CALIFORNIA CATERERS	Pacific Telephone
1958	CALIFORNIA CATERERS	Pacific Telephone
	California Box Lunch and Catering Co	Pacific Telephone
1942	CLARK John F Fern E restr	Los Angeles Directory Co.
1929	Mc CLURE EDMUND H Helen V Pres National Automobile Insurance Co of Los Angeles and Hdw	Los Angeles Directory Co.
1924	JONES Clarence D hdwe	Los Angeles Directory Co.

N Broadway

3516 N Broadway

Year	Uses	Source
2014	LA BRIDGES II GANG INTRVNT AZT	EDR Digital Archive
	PHFE AZTECS RISING	EDR Digital Archive
	AZTECS RISING	EDR Digital Archive
	LOS ANGELES CITY OF	EDR Digital Archive
2010	LOS ANGELES CITY OF	EDR Digital Archive
	AZTEC FIRE FUELS CREW	EDR Digital Archive
	LA BRIDGES II GANG INTRVNT AZT	EDR Digital Archive

N BROADWAY

3516 N BROADWAY

Year	Uses	Source
2006	AZTEC FIREFUELS	Haines Company, Inc.
1990	LITTLE SISTERS	Pacific Bell
1986	LITTLE SISTERS	Pacific Bell
1976	Dial Your Ride	Pacific Telephone
	East Los Angeles Community Improvement Assn	Pacific Telephone
	Sheffield Jack Company The	Pacific Telephone
1958	Weissbach Morris	Pacific Telephone

N Broadway

3520 N Broadway

Year	Uses	Source
2010	STAR CLUSTER CORP	EDR Digital Archive

FINDINGS

N BROADWAY

3520 N BROADWAY

Year	Uses	Source
2006	NETWORK	Haines Company, Inc.
	WA INFORMATION	Haines Company, Inc.
	SERVICE	Haines Company, Inc.
	APARICIOWM TAX	Haines Company, Inc.
1990	RAINBOW BEAUTY SALON	Pacific Bell
1986	RAINBOW BEAUTY SALON	Pacific Bell
1976	Ralphs Photography & Custom Lab	Pacific Telephone
1971	Sidneys Beauty Shop	Pacific Telephone
1967	R & C Beauty Salon	Pacific Telephone
	Carmens Beauty Salon	Pacific Telephone
1942	Faranda Gaetano shoe repr	Los Angeles Directory Co.
	Cusimano Peter Helen barber	Los Angeles Directory Co.
1937	Young Ethel Mrs beauty shop	Los Angeles Directory Co.
1933	Sanez Josephine Emil barber	Los Angeles Directory Co.
1929	Sanfidele Emil barber	Los Angeles Directory Co.
	Bright Jessie E Mrs clo clnr	Los Angeles Directory Co.
1924	Magazinik Tove barber	Los Angeles Directory Co.
	BRIGHT Jessie E Mrs drsmkr	Los Angeles Directory Co.

3522 N BROADWAY

Year	Uses	Source
2006	APARTMENTS	Haines Company, Inc.
	BARAJASGregorla	Haines Company, Inc.
	CANDARAJose	Haines Company, Inc.
	GUERRERO Irma T	Haines Company, Inc.
	LUNA Ella	Haines Company, Inc.
	PEREZCASTANEDA	Haines Company, Inc.
	Ranmon	Haines Company, Inc.
	SOLANOMarcela	Haines Company, Inc.
1990	GOMEZ ESTHELA	Pacific Bell
	LEON GRACIELA	Pacific Bell
	MONTOYA EMMA	Pacific Bell
	ORTIZ SERGIO	Pacific Bell
	VASQUEZ RAFAEL	Pacific Bell
1986	GOMEZ ESTHELA	Pacific Bell
	MONTOYA EMMA	Pacific Bell

FINDINGS

Year	Uses	Source
1986	SIMENTAL INDELISA	Pacific Bell
1981	ARREOLA MARTHA	Pacific Telephone
	CANISALES OFELIA	Pacific Telephone
	CASTELLON GUADALUPE LOPEZ	Pacific Telephone
	DUENAS AURELIO	Pacific Telephone
	MARTINEZ FRANCISCO	Pacific Telephone
	MONTOYA EMMA	Pacific Telephone
1976	Diaz Jose Antonio	Pacific Telephone
	Lopez Guillermo	Pacific Telephone
1971	Fletes Maria De Jesus	Pacific Telephone
	Ortiz Juan	Pacific Telephone
	Ramos Margarita	Pacific Telephone
1967	Gilson Anne rl est	Pacific Telephone
	Melendrez Teresa	Pacific Telephone
	Ortiz Juan	Pacific Telephone
1962	Gilson Anne	Pacific Telephone
1958	Campa Fred	Pacific Telephone
	Heard Minnie Mrs	Pacific Telephone
	Raygoza Maria	Pacific Telephone
	Redmond Vincent J	Pacific Telephone
1942	Boyer Anna boxmkr	Los Angeles Directory Co.
	BOYER Harry H Anna slsmn	Los Angeles Directory Co.
	CALDWELL Apartments	Los Angeles Directory Co.
	CALDWELL Minnie F Mrs mgr Caldwell Apts	Los Angeles Directory Co.
	CALDWELL Royal M Minnie camera repr	Los Angeles Directory Co.
	Cassity Lee A driver	Los Angeles Directory Co.
	FRAZER Earl	Los Angeles Directory Co.
	Greathouse Gilbert D	Los Angeles Directory Co.
	Greathouse Stanley G clk	Los Angeles Directory Co.
	Greathouse Wm Sue	Los Angeles Directory Co.
	Madariaga Jos fndywkr	Los Angeles Directory Co.
	Mc Elhenney Robt W Rose driver	Los Angeles Directory Co.
	Plummer Lee A Marian H slsmn	Los Angeles Directory Co.
	POTTER M R Juanita	Los Angeles Directory Co.
	Stoudt W D	Los Angeles Directory Co.
	WILLIAMS Virginia	Los Angeles Directory Co.
1937	CALDWELL Apartments	Los Angeles Directory Co.
	CALDWELL Royal M Minnie drftsmn	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	Chandler Alf J Effie E slsmn	Los Angeles Directory Co.
	Chandler Legare printer	Los Angeles Directory Co.
	Criss Lillie Mrs maid	Los Angeles Directory Co.
	CUNNINGHAM Chas H Edwina millwkr	Los Angeles Directory Co.
	Gottier Margt	Los Angeles Directory Co.
	Jerrue Clarence W firemn LAFD	Los Angeles Directory Co.
	LARSEN Carol	Los Angeles Directory Co.
	PALMER Loca Mrs	Los Angeles Directory Co.
	WILLIAMS Virginia Mrs clk	Los Angeles Directory Co.
1933	ALLEN Anth H mach	Los Angeles Directory Co.
	BURNS Eudoro C Pearl jan City Bd of Educ	Los Angeles Directory Co.
	Caldwell Apartments	Los Angeles Directory Co.
	CALDWELL Royal M Minnie supt W S Rush & Co	Los Angeles Directory Co.
	COOK Clarence F slsmn	Los Angeles Directory Co.
	Criss Lillie Mrs maid	Los Angeles Directory Co.
	OLeary John T Carrie cement fnshr	Los Angeles Directory Co.
	OLeary Mary clk	Los Angeles Directory Co.
	OLeary T Jas Louise cement fnshr	Los Angeles Directory Co.
	OLeary Wm cement fnshr	Los Angeles Directory Co.
	PALMER Loca Mrs	Los Angeles Directory Co.
	PALMER Wanda studiowkr	Los Angeles Directory Co.
1929	Bright Edwin C Jessie E stearn ftr	Los Angeles Directory Co.
	Caldwell Apartments	Los Angeles Directory Co.
	CALDWELL Royal M Minnie formn W S Rush & Co	Los Angeles Directory Co.
	Dennett Lucille sten	Los Angeles Directory Co.
	Mc DONELL Clarence V printer	Los Angeles Directory Co.
	PALMER Lace J slsldy	Los Angeles Directory Co.
	Prater Alf W tchr U C at L A r	Los Angeles Directory Co.
	Prator Al W tchr h	Los Angeles Directory Co.
	THAYER Helen V Thayer Steel Rule Die Cutting Studio h	Los Angeles Directory Co.
	Wick Oren A Leona prsmn h	Los Angeles Directory Co.
	Wiederman Jos Clk r	Los Angeles Directory Co.
1924	Baines John M police r	Los Angeles Directory Co.
	Bland Wm tilestr h	Los Angeles Directory Co.
	Bright Edwin C h	Los Angeles Directory Co.
	Brinkley Willard E slsmn h	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	CALDWELL Apartments	Los Angeles Directory Co.
	CALDWELL Minnie apts	Los Angeles Directory Co.
	CALDWELL Royal M supt W S Rush & Co h	Los Angeles Directory Co.
	De Graff L Mrs h	Los Angeles Directory Co.
	Fecteau E O foremn h	Los Angeles Directory Co.
	Mc Curdy Walter J r	Los Angeles Directory Co.
	MORSE Sarah E r	Los Angeles Directory Co.
	PALMER Loca Mrs drsmkr h	Los Angeles Directory Co.
	Pickles Enoch foremn U P System h	Los Angeles Directory Co.

3523 N BROADWAY

Year	Uses	Source
1937	Barbato Michl shoe repr	Los Angeles Directory Co.
1933	ALFORD E L brkmn	Los Angeles Directory Co.
	JOHNSON Melvin C Leila barber	Los Angeles Directory Co.
	JOHNSON Willford	Los Angeles Directory Co.
	Barbato Michl Virginia shoe repr	Los Angeles Directory Co.
1929	Barbato Michl shoe repr	Los Angeles Directory Co.
1924	Ropp Wallace L cement fnshr h	Los Angeles Directory Co.
	Mooney Claude L moldr h	Los Angeles Directory Co.
	Blossom Lyman R carrier h	Los Angeles Directory Co.
	ANDREWS Grace Mrs slswmn r	Los Angeles Directory Co.
	Barbato Mike shoe repr	Los Angeles Directory Co.

3524 N BROADWAY

Year	Uses	Source
1990	GUEVARA RICARDO ANTONIO	Pacific Bell
1981	CERVANTES TACO HOUSE	Pacific Telephone
1971	APOLLO RECORDS	Pacific Telephone
1967	Apollo Record Shop	Pacific Telephone
1962	Lincoln Heights Brigal Shop	Pacific Telephone
1937	Marini Frank musical instruments	Los Angeles Directory Co.
1933	KIRBY Bros E W and S M gro	Los Angeles Directory Co.
1929	KIRBY Walter S gro	Los Angeles Directory Co.
1924	KIRBY Bros S M and W S gro and meats	Los Angeles Directory Co.

3525 N BROADWAY

Year	Uses	Source
1937	READY Laura Mrs restr	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1933	NASH Wm E Lura restr	Los Angeles Directory Co.
	JOHNSON Lela restrwkr	Los Angeles Directory Co.
1929	Lloyd Fred D Dorothy cl clnr	Los Angeles Directory Co.
1924	LLOYD Danford H clo clnr h	Los Angeles Directory Co.

N Broadway

3526 N Broadway

Year	Uses	Source
2014	IN THE CITY INC	EDR Digital Archive
	INTHECITY	EDR Digital Archive
2010	IN THE CITY INC	EDR Digital Archive
	INTHECITY	EDR Digital Archive

N BROADWAY

3526 N BROADWAY

Year	Uses	Source
2006	HAIRCOM	Haines Company, Inc.
1976	Victorias Factory	Pacific Telephone
	Fat Chin Fashions	Pacific Telephone
1967	Lincoln Dye Works	Pacific Telephone
1962	Miers Mkt	Pacific Telephone
1958	Miers Mkt	Pacific Telephone
1942	PALMER Camille R Angelina M driver	Los Angeles Directory Co.
	Palmer Angelina M Mrs gro	Los Angeles Directory Co.

3528 N BROADWAY

Year	Uses	Source
2006	CASTILLOSoledad	Haines Company, Inc.
1990	B Z DEVELOPMENT	Pacific Bell
	M & J CONSTRUCTION	Pacific Bell
1986	M & J RESTAURANT EQUIP SERVICE	Pacific Bell
1981	MARTIN S AUTO PARTS	Pacific Telephone
1962	Lincoln Dye Works	Pacific Telephone
1958	Tello Cleaners	Pacific Telephone
1942	RICHARDS Jos Gertrude varify store	Los Angeles Directory Co.
1937	notions	Los Angeles Directory Co.
1933	Prince Geo H dry gds	Los Angeles Directory Co.
1929	h	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Prince Geo H Grace dry gds	Los Angeles Directory Co.
1924	PRINCE Geo H dry gds	Los Angeles Directory Co.

3529 N BROADWAY

Year	Uses	Source
1933	LEVY Richd W dentist	Los Angeles Directory Co.
1929	HARTMAN Wallace W Broadway Pharmacy	Los Angeles Directory Co.
	Krantz Chas E drugs	Los Angeles Directory Co.
	Krantz Ednah bkpr Pittsburgh Plate Glass Co	Los Angeles Directory Co.
	BROADWAY PHARMACY Bowe & Hartman Prescription Druggists and School Supplies	Los Angeles Directory Co.
	BOWE & Hartman Rollan G Bowe Wallace W Hartman props Broadway Pharmacy	Los Angeles Directory Co.
	BOWE Rollan G Broadway Pharmacy	Los Angeles Directory Co.
	LEVY Richd W dentist	Los Angeles Directory Co.
1924	DAMRON Wm A drugs	Los Angeles Directory Co.

3532 N BROADWAY

Year	Uses	Source
2006	EL PILON MARKET	Haines Company, Inc.
1990	EL PILON MARKET NO 2	Pacific Bell
1986	EL PILON MARKET NO 2	Pacific Bell
1981	EL PILON MARKET NO 2	Pacific Telephone
1976	C & F Meat Mkt	Pacific Telephone
	M & S Mkt	Pacific Telephone
1971	Mier Manuel	Pacific Telephone
1967	Oliverez Abel	Pacific Telephone
	Olivires Able	Pacific Telephone
1962	B & L Food Mkt	Pacific Telephone
1958	B & L Food Mkt	Pacific Telephone
1929	GREENE Chas F meats	Los Angeles Directory Co.

3534 N BROADWAY

Year	Uses	Source
1933	Okamoto Fred fruit	Los Angeles Directory Co.
	MEYER Glen L gro	Los Angeles Directory Co.
1929	Buren Elmer P gro	Los Angeles Directory Co.
1924	Buren Elmer P gro	Los Angeles Directory Co.

FINDINGS

3540 N BROADWAY

Year	Uses	Source
1942	Vahblek Erument Beth uphol	Los Angeles Directory Co.
	Vahl Berman R Antonitte mech	Los Angeles Directory Co.

N Broadway

3600 N Broadway

Year	Uses	Source
2014	KAILEYS RESTAURANT	EDR Digital Archive
	BRENDAS RESTAURANT	EDR Digital Archive
2010	BRENDAS RESTAURANT	EDR Digital Archive
	KAILEYS RESTAURANT	EDR Digital Archive

N BROADWAY

3600 N BROADWAY

Year	Uses	Source
2006	VALENTINOS	Haines Company, Inc.
1990	HUERTA MARIA A	Pacific Bell
1986	LOPEZ ARTURO JESUS	Pacific Bell
1981	LOPEZ ARTURO JESUS	Pacific Telephone
1971	Joint The	Pacific Telephone
1967	HILDAS FRESH FRUITS	Pacific Telephone
1958	Pavonas Meat Mkt	Pacific Telephone
1942	Adams Mary J restr	Los Angeles Directory Co.
1937	ADAMS Mary J restr	Los Angeles Directory Co.
	ADAMS Mary J restr	Los Angeles Directory Co.
1933	PROCTOR Saml M Rose restr	Los Angeles Directory Co.
1929	BLUE Heaven Cafe R E Taylor G E Luckenbacher	Los Angeles Directory Co.
1924	TRAVIS Lucile H asst bkpr Ahlberg Bearing Co r	Los Angeles Directory Co.
	Travis Flora E wid J M h	Los Angeles Directory Co.

3602 N BROADWAY

Year	Uses	Source
1990	SOLIS JOSE LUIS	Pacific Bell
1986	SOLIS JOSE LUIS	Pacific Bell
1981	SAMANIEGO RAPHAEL & ESPERANZA	Pacific Telephone
1976	Chacon Juana	Pacific Telephone

FINDINGS

Year	Uses	Source
1971	Alcaraz Jose L	Pacific Telephone
1967	Alcaraz Jose H	Pacific Telephone
1942	Stroner Alf W mech	Los Angeles Directory Co.
1929	Wald Mercedes Mrs hat trmr r	Los Angeles Directory Co.

3607 N BROADWAY

Year	Uses	Source
1924	Rozman Peter clk r	Los Angeles Directory Co.

3608 N BROADWAY

Year	Uses	Source
2006	RODRIGUEZElda	Haines Company, Inc.
	RAMOS Maria Elena	Haines Company, Inc.
1981	MARTINEZ NARCISO J	Pacific Telephone
1976	Martinez Narciso J	Pacific Telephone
1971	Martinez Narciso J	Pacific Telephone
1967	Martinez Narciso J	Pacific Telephone
1962	Martinez Mary	Pacific Telephone
1958	Martinez Narciso J	Pacific Telephone
1942	Avallone Vincent A Mary R slsmn	Los Angeles Directory Co.
	Avallone Anthony	Los Angeles Directory Co.
1933	Mc Kibbon Wm G mach	Los Angeles Directory Co.
	Mc Kibbon Margt E wid Geo	Los Angeles Directory Co.
1929	TAYLOR Robt E One Eleven Radio Shop h	Los Angeles Directory Co.
	Harrington Frank P inspr Dept Humane Treatment of Animals	Los Angeles Directory Co.
1924	Runa Chas E clk r	Los Angeles Directory Co.
	Blythe David police h	Los Angeles Directory Co.

3610 N BROADWAY

Year	Uses	Source
1929	Wiedmann Edw A lab r	Los Angeles Directory Co.

3612 N BROADWAY

Year	Uses	Source
2006	o VIZCARRA Gloda	Haines Company, Inc.
1990	VIZCARRA GLORIA	Pacific Bell
1986	VIZCARRA GLORIA	Pacific Bell
1981	VIZCARRA GLORIA	Pacific Telephone
1976	Vizcarra Gloria	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	Vizcarra Carlos	Pacific Telephone
1962	Vizcarra Carlos	Pacific Telephone
1958	Vizcarra Carlos	Pacific Telephone
1942	MILLER Chas E Bessie A jan Genl Hosp	Los Angeles Directory Co.
	Barner Carl A	Los Angeles Directory Co.
1937	MILLER Chas R Emily	Los Angeles Directory Co.
1933	Ellington Margt clk	Los Angeles Directory Co.
	Ellington M B eng	Los Angeles Directory Co.
1929	WILSON Thos B Neva h	Los Angeles Directory Co.
	STARKS John H chauf r	Los Angeles Directory Co.
1924	MOORE Kenneth N band Instrument repr r	Los Angeles Directory Co.
	MOORE Guy G carp h	Los Angeles Directory Co.
	Engman Metta L steno r	Los Angeles Directory Co.

3613 N BROADWAY

Year	Uses	Source
1924	Lowry Mary wid C C r	Los Angeles Directory Co.

3616 N BROADWAY

Year	Uses	Source
2006	LONGORIA Frank	Haines Company, Inc.
1976	Morris Linden	Pacific Telephone
1971	Gookin Raymond E	Pacific Telephone
1967	Gookin Raymond E	Pacific Telephone
1962	Gookin Raymond E	Pacific Telephone
1958	Gookin Raymond E	Pacific Telephone
1942	Wiedmann Selma wid Rudolph	Los Angeles Directory Co.
	Wiedmann Edw A	Los Angeles Directory Co.
1937	Wiedmann Selma Mrs	Los Angeles Directory Co.
	Wiedmann Inez A	Los Angeles Directory Co.
	Wiedmann Edw A clk	Los Angeles Directory Co.
1933	Wiedmann Selma wid Rudolph slswm	Los Angeles Directory Co.
	Wiedmann Edw A lab	Los Angeles Directory Co.
1929	WIEDMANN Selms wid Rudolph h	Los Angeles Directory Co.
	Peircey Alice E waiter	Los Angeles Directory Co.
1924	WEIDMAN Selma Mrs h	Los Angeles Directory Co.
	Weidman Edwd r	Los Angeles Directory Co.
	Sylvis Hazel V clk r	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Raine H motrmn r	Los Angeles Directory Co.
	Raine Grace E telep opr r	Los Angeles Directory Co.
	Raine Geo T motrmn r	Los Angeles Directory Co.
	Raine Delvert C auto opr r	Los Angeles Directory Co.

3618 N BROADWAY

Year	Uses	Source
1971	Allyn Amy	Pacific Telephone
1967	Allyn Amy	Pacific Telephone
1962	Allyn Amy	Pacific Telephone

3620 N BROADWAY

Year	Uses	Source
2006	o GOMEZJuan	Haines Company, Inc.
1942	Grupe Wm T	Los Angeles Directory Co.
	JOHNSON Lloyd S driver	Los Angeles Directory Co.
	KOEHLER Eleanor sten	Los Angeles Directory Co.
	KOEHLER Rich W Huldah carp	Los Angeles Directory Co.
1937	Spray Chas A Virginia clk S P Co	Los Angeles Directory Co.
	Spray Roger slsmn	Los Angeles Directory Co.
1933	Gruppe Wm F watch mkr	Los Angeles Directory Co.
1929	BROWN Christina wid C A	Los Angeles Directory Co.
	BROWN Elmer mach opr	Los Angeles Directory Co.
	BROWN Gordon D carp	Los Angeles Directory Co.
	BROWN Albt E electn	Los Angeles Directory Co.
1924	SPENCER Esther J tchr h	Los Angeles Directory Co.
	SPENCER Sallie E wid J W r	Los Angeles Directory Co.

3624 N BROADWAY

Year	Uses	Source
1929	TAYLOR Robt E Blue Heaven Cafe r	Los Angeles Directory Co.

3625 N BROADWAY

Year	Uses	Source
1937	Lincoln Abraham High School	Los Angeles Directory Co.
1933	Lincoln Abraham High School	Los Angeles Directory Co.
	LINCOLN High School	Los Angeles Directory Co.
1929	LINCOLN High School	Los Angeles Directory Co.
	LINCOLN Evening Hich School	Los Angeles Directory Co.
1924	LINCOLN Hight School	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	LINCOLN Evening High School	Los Angeles Directory Co.

3626 N BROADWAY

Year	Uses	Source
2006	ONG Anita	Haines Company, Inc.
1958	Stitt R S	Pacific Telephone
1942	Stitt Robt L aircrftwkr	Los Angeles Directory Co.
	Stitt Minerva Mrs	Los Angeles Directory Co.
	GRAY Lincoln	Los Angeles Directory Co.
1937	GRAY Emily	Los Angeles Directory Co.
	GRAY Lincoln	Los Angeles Directory Co.
1933	GRAY Lincoln	Los Angeles Directory Co.
1929	GRAY Lincoln Gra & Cray	Los Angeles Directory Co.
1924	GRAY Lincoln Gray & Cray h	Los Angeles Directory Co.

3628 N BROADWAY

Year	Uses	Source
2006	NAVARRO Jose Jesus	Haines Company, Inc.
	NAVARRO Jose	Haines Company, Inc.

3630 N BROADWAY

Year	Uses	Source
2006	NAVARRO Jesus	Haines Company, Inc.
1990	DEANDA JOSE	Pacific Bell
1976	Pegueros Ruby	Pacific Telephone
1971	Vela R	Pacific Telephone
1967	Keyes Eva	Pacific Telephone
1942	WALMSLEY Jos P mach	Los Angeles Directory Co.
	WALMSLEY Edw C driver	Los Angeles Directory Co.
	WALMSLEY David D driver	Los Angeles Directory Co.
	WALMSLEY Annie wid E A	Los Angeles Directory Co.
1937	WALMSLEY Anne wid E A	Los Angeles Directory Co.
	WALMSLEY Davsd D driver	Los Angeles Directory Co.
	WALMSLEY Edw C driver	Los Angeles Directory Co.
	WALMSLEY Jos P mach	Los Angeles Directory Co.
1933	Walmsley Edw A Annie slsmn	Los Angeles Directory Co.
	Walmsley Edw C chauf	Los Angeles Directory Co.
	WALMSLEY Jos P mach	Los Angeles Directory Co.
1929	Walmsley Jos P chipper r	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Warmsley David D chauf r	Los Angeles Directory Co.
	Warmsley Edw C chauf r	Los Angeles Directory Co.
	Warmsley Everett A Annie mach h	Los Angeles Directory Co.
1924	Walmsley Edwd A mach h	Los Angeles Directory Co.
	Walmsley Edwd C auto opr r	Los Angeles Directory Co.
	Walmsley Fredk S clk r	Los Angeles Directory Co.
	Walmsley Jos P mach r	Los Angeles Directory Co.

3638 N BROADWAY

Year	Uses	Source
2006	Benito	Haines Company, Inc.
	o TURRUBIARTES	Haines Company, Inc.
1990	MEY PHON	Pacific Bell

3640 N BROADWAY

Year	Uses	Source
1990	SAO SOPHAT	Pacific Bell
1981	REECE MARIE	Pacific Telephone
1976	Reece Marie	Pacific Telephone
1971	Reece Marie	Pacific Telephone
1962	Kals Eleanor	Pacific Telephone
1958	Arriola Emma J	Pacific Telephone

3642 N BROADWAY

Year	Uses	Source
1958	Felix Feliciano C	Pacific Telephone
1942	MARTIN Harold J M Anna	Los Angeles Directory Co.

3646 N BROADWAY

Year	Uses	Source
1990	HO SAU-VA	Pacific Bell

3707 N BROADWAY

Year	Uses	Source
1937	EARLE Homer P writer	Los Angeles Directory Co.

3805 N BROADWAY

Year	Uses	Source
2006	MOULD Vivian	Haines Company, Inc.
1958	Flores John	Pacific Telephone

Year	Uses	Source
1942	JOHNSON Murphy Ida eng	Los Angeles Directory Co.
1937	COURTNEY Howard Flora carp	Los Angeles Directory Co.
	COURTNEY Jas	Los Angeles Directory Co.
1929	Emanuel Wm F Ethel M real est	Los Angeles Directory Co.
1924	De Groff Arthur h	Los Angeles Directory Co.

3811 N BROADWAY

Year	Uses	Source
2006	HEREDIA Ignacio	Haines Company, Inc.
1962	Guerrero Paubla	Pacific Telephone
1942	CURRY Robt A Marie A lab	Los Angeles Directory Co.
1937	de Golyer Harry Clerice	Los Angeles Directory Co.
1924	Largy Edwd carp h	Los Angeles Directory Co.

3520 1/2 N BROADWAY

Year	Uses	Source
1990	EL SERENO SHOE REPAIR 2	Pacific Bell

3640 1/2 N BROADWAY

Year	Uses	Source
1990	DUCH YONN	Pacific Bell

N BROADWAY DR

3510 N BROADWAY DR

Year	Uses	Source
1981	IMPERIAL SALES CO APPLS	Pacific Telephone

N BRODWAY

3500 N BRODWAY

Year	Uses	Source
1981	CORINAS H	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
3501 N. Broadway	2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
2252 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2303 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2304 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2306 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2306 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2307 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2308 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2310 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2311 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2312 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2313 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2315 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2316 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2316 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2317 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2319 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2321 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2322 ALTA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
3500 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
2322 LINCOIN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2322 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2323 1/2 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2323 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2325 1/4 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2325 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2326 ALTA ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2326 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2327 1/2 HOLGATE SQ	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2327 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2327 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2327 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2328 ALTA ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2328 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2329 ALTA ST	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2330 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2331 HOLGATE SQ	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2331 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2332 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2332 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2333 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2333 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2333 Alta St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2333 HOLGATE SQ	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2333 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2334 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2336 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2336 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2336 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2338 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2338 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2338 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2339 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2339 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2339 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2339 Lincoln Park Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2341 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2342 1/2 LINCOLN PAK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2342 1/2 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2342 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2343 1/2 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2343 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2344 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2344 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2345 ALTA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2345 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2345 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2345 Lincoln Park Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2346 ALTA ST	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2346 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2349 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2350 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2411 LINCOLN HIGH DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2416 LINCOLN HIGH DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2419 LINCOLN HIGH DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2422 LINCOLN HIGH DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2423 LINCOLN HIGH DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2500 LINCOLN PARK	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2500 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2501 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2503 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2506 Alta St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2506 LINCOLN PARK AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2507 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2512 Alta St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
2515 LINCOLN PARK AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3331 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3400 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3400 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3400 N Broadway	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3402 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3404 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3404 N Broadway	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3406 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3406 N Broadway	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3408 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
3410 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3412 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3414 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3418 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3422 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3424 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3424 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3426 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3426 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3428 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3430 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
3432 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3432 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3434 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3500 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3500 N BRODWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3507 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3508 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3509 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3510 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3510 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3510 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
3510 N BROADWAY DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3511 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3512 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3512 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3512 N Broadway	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3514 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3514 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3515 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3516 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3516 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3516 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
3518 LINCOLN HIGH PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3520 1/2 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3520 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3520 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3520 N Broadway	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3522 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3522 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3523 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3524 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3525 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3526 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
3526 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3528 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3529 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3532 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3532 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3534 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3534 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3540 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3600 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3600 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3600 N Broadway	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
3602 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3607 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3608 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3608 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3608 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3610 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3612 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3612 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3612 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3613 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3613 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
3615 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3616 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3616 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3618 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3620 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3621 ALTURA ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3621 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3624 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3625 ALTURA	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3625 ALTURA ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3625 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
3626 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3626 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3628 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3630 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3630 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3638 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3638 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3640 1/2 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3640 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3640 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3642 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
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3646 BROADWAY N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3646 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3671 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3706 1/2 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3707 N BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3716 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3800 LINCOLN HIGH PL	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3804 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3805 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
3811 N BROADWAY	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
3812 BROADWAY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

APPENDIX D

HISTORICAL TOPOGRAPHIC MAPS

3501 N. Broadway

3501 N. Broadway

Los Angeles, CA 90031

Inquiry Number: 4965983.4

June 26, 2017

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/26/17

Site Name:	Client Name:
3501 N. Broadway	Alisto Engineering Group
3501 N. Broadway	2737 North Main Street
Los Angeles, CA 90031	Walnut Creek, CA 94597-0000
EDR Inquiry # 4965983.4	Contact: AL Sevilla

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Alisto Engineering Group were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: NA

Coordinates:

Latitude:	34.074734 34° 4' 29" North
Longitude:	-118.203647 -118° 12' 13" West
UTM Zone:	Zone 11 North
UTM X Meters:	388940.18
UTM Y Meters:	3771096.03
Elevation:	404.87' above sea level

Maps Provided:

2012	1900
1994	1896
1981	1894
1972	
1966	
1953	
1926, 1928	
1924	

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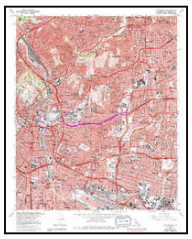
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Los Angeles
2012
7.5-minute, 24000

1994 Source Sheets



Los Angeles
1994
7.5-minute, 24000
Aerial Photo Revised 1978

1981 Source Sheets

Los Angeles
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Los Angeles
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1966 Source Sheets

Los Angeles
1966
7.5-minute, 24000
Aerial Photo Revised 1964

1953 Source Sheets

Los Angeles
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1926, 1928 Source Sheets

Alhambra
1926
7.5-minute, 24000

Los Angeles
1928
7.5-minute, 24000

1924 Source Sheets

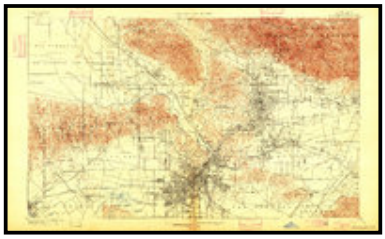
Alhambra
1924
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets

Pasadena
1900
15-minute, 62500



Los Angeles
1900
15-minute, 62500

1896 Source Sheets

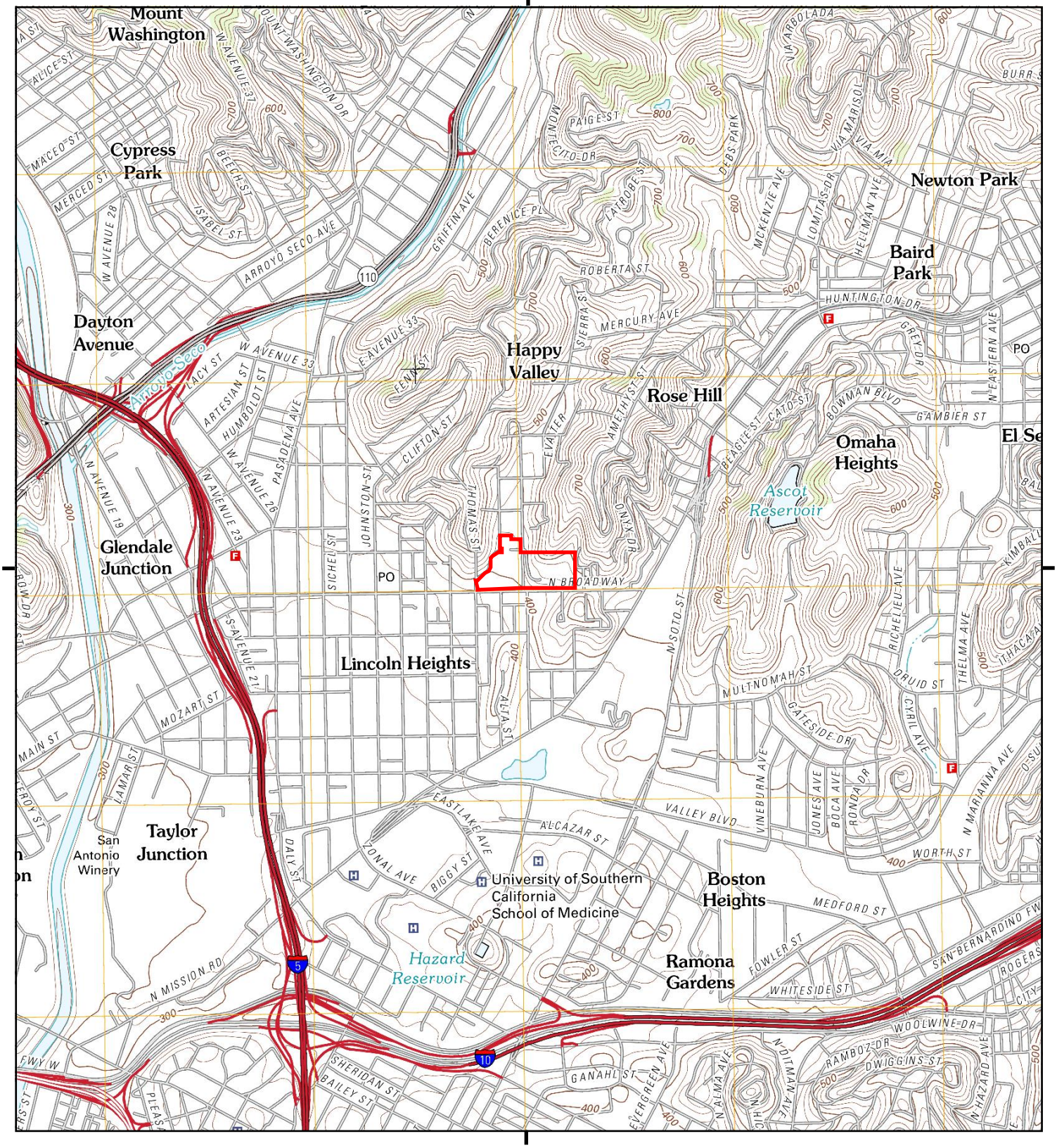
Pasadena
1896
15-minute, 62500

1894 Source Sheets

Los Angeles
1894
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

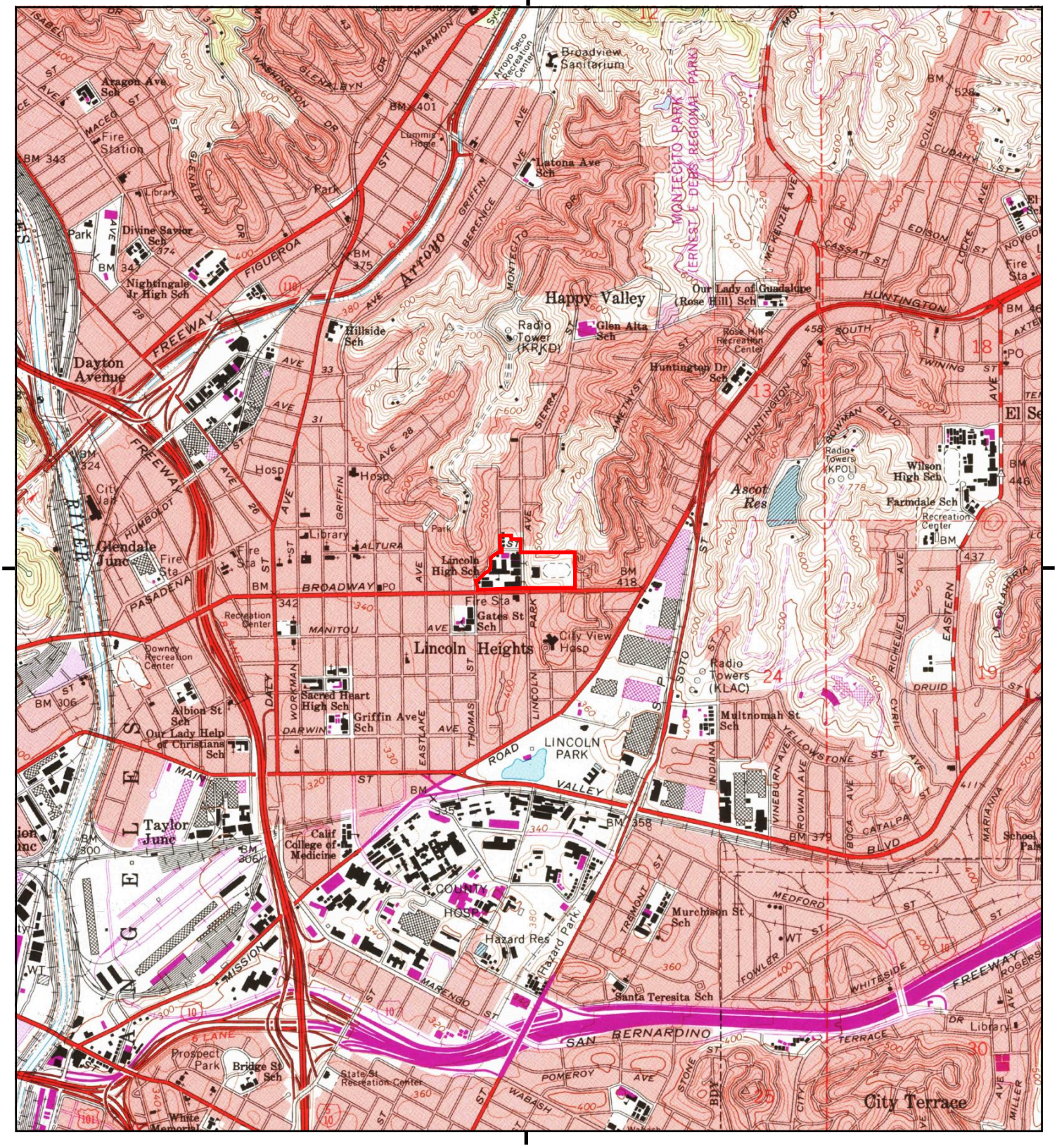
TP, Los Angeles, 2012, 7.5-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

Historical Topo Map

1994


Broadway
Lincoln High Sch
Lincoln Heights
Happy Valley
Glendale Junc
Taylor Junc
Dayton Avenue
Ascot Res
Hazard Res
City Terrace
Santa Teresita Sch
Murchison St Sch
Multnomah St Sch
Radio Towers (KLAC)
Radio Towers (KPOL)
Radio Tower (KRKD)
Wilson High Sch
Farmdale Sch
Gates St Sch
Griffin Ave Sch
Sacred Heart High Sch
Albion St Sch
Our Lady Help of Christians Sch
Calif College of Medicine
City View Hosp
Lincoln Park
Hazard Park
Prospect Park
Bridge St Sch
Glen Alta Sch
Hillside Sch
Huntington Dr Sch
Our Lady of Guadalupe (Rose Hill) Sch
Latona Ave Sch
Aragon Ave Sch
Divine Savior Sch
Nightingale Jr High Sch
Broadview Sanitarium
Arroyo Seco Recreation Center
Rose Hill Recreation Center
Farmdale Recreation Center
Downey Recreation Center
State St Recreation Center
Recreation Center
Library
Fire Station
Fire Sta
Hosp
Park
City Jail
Lummis House
BM 401
BM 343
BM 375
BM 324
BM 342
BM 418
BM 306
BM 300
BM 358
BM 379
BM 528
BM 437
BM 446
BM 374
BM 341
BM 33
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BM 66
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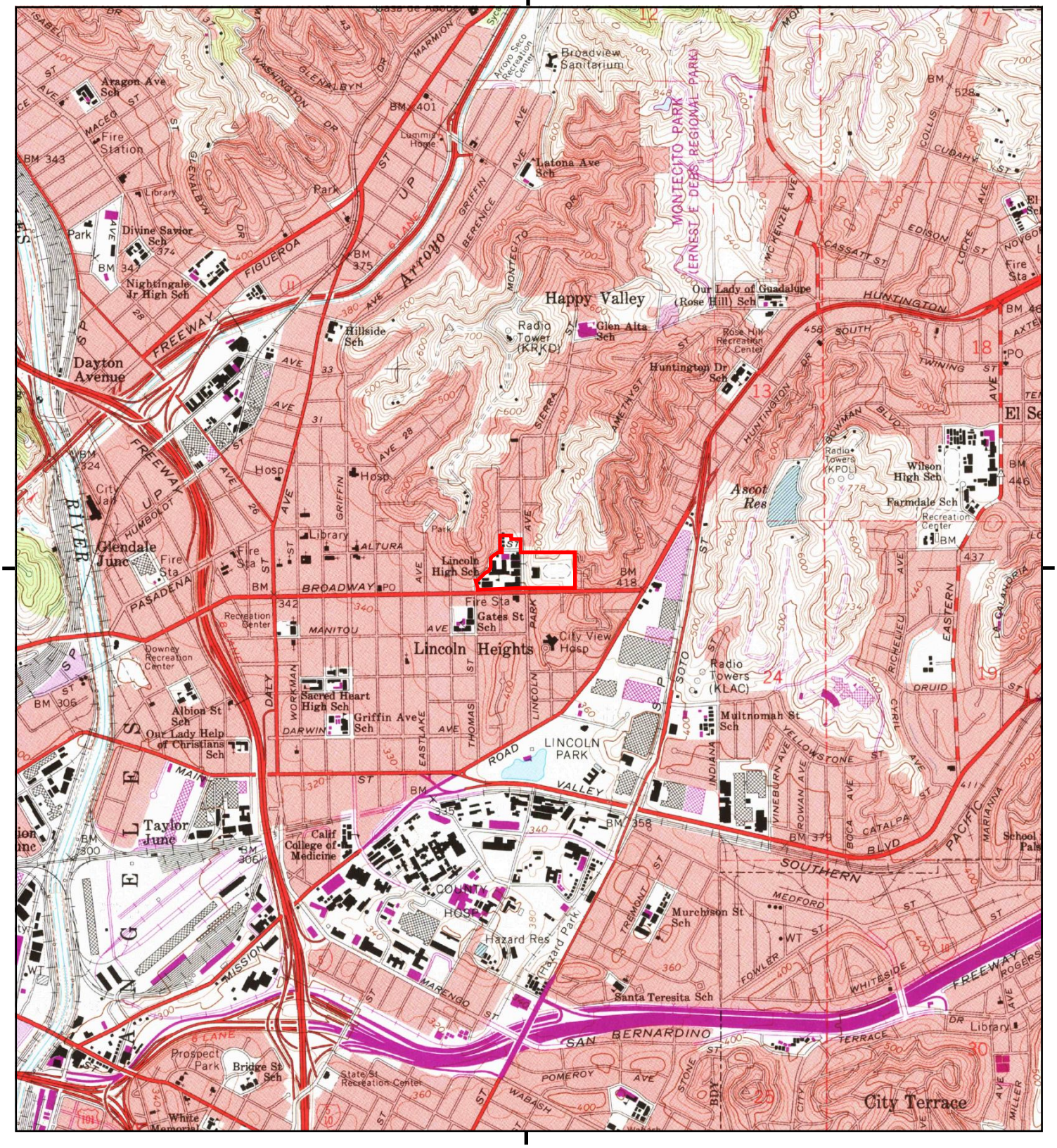
Historical Topo Map

1981


Broadview Sanitarium
Aragon Ave Sch
Fire Station
Divine Savior Sch
Nightingale Jr High Sch
Dayton Avenue
Glendale Junc
Hillside Sch
Radio Tower (KRKD)
Happy Valley
Glen Alta Sch
Latona Ave Sch
Our Lady of Guadalupe (Rose Hill) Sch
Rose Hill Recreation Center
Huntington Dr Sch
MONTECITO PARK
ERNEST E. DEBS REGIONAL PARK
Ascot Res
Radio Towers (KPOL)
Wilson High Sch
Farmdale Sch
Recreation Center
Lincoln High Sch
Fire Sta
Gates St Sch
Lincoln Heights
City View Hosp
Radio Towers (KLAC)
Multnomah St Sch
Sacred Heart High Sch
Griffin Ave Sch
Albion St Sch
Our Lady Help of Christians Sch
Downey Recreation Center
LINCOLN PARK
Taylor Junc
Calif College of Medicine
COUNTY HOSP
Hazard Res
Hazard Park
Murchison St Sch
Santa Teresita Sch
Prospect Park
Bridge St Sch
State St Recreation Center
City Terrace
Library
Park
Hosp
BROADWAY
MANITOU
ALTURA
PASADENA
FREEWAY
SOUTHERN PACIFIC
SAN BERNARDINO
MARENGO
VALLEY ROAD
HUNTINGTON
EASTERN
SOTO
MISSION
WHITESIDE
POMEROY
WABASH
BOCA CATALPA BLVD
DRUID
YELLOWSTONE
MEDFORD
FOWLER
TERRACE
BOWMAN BLVD
CASSATT ST
EDISON
CUDAHY
TWINING
SOUTH
GRIFFIN AVE
BERENICE
MONTECITO
SIERRA
AMETHYST
MCKENZIE AVE
COLLIS
LACKE
RICHELIEU
DALEY
WORKMAN
DARWIN
EASTLAKE
THOMAS
LINCOLN
INDIANA
VINEBURN AVE
ROWAN AVE
TREMONT
STONE
MILLER
MARIANNA
LA CALANDRIA
GLENALBYN
WASHINGTON
MACED
MARMION
HUMBOLDT
ARROYO
Arroyo Seco Recreation Center
Lummis Home
BM 401
BM 343
BM 375
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BM 437
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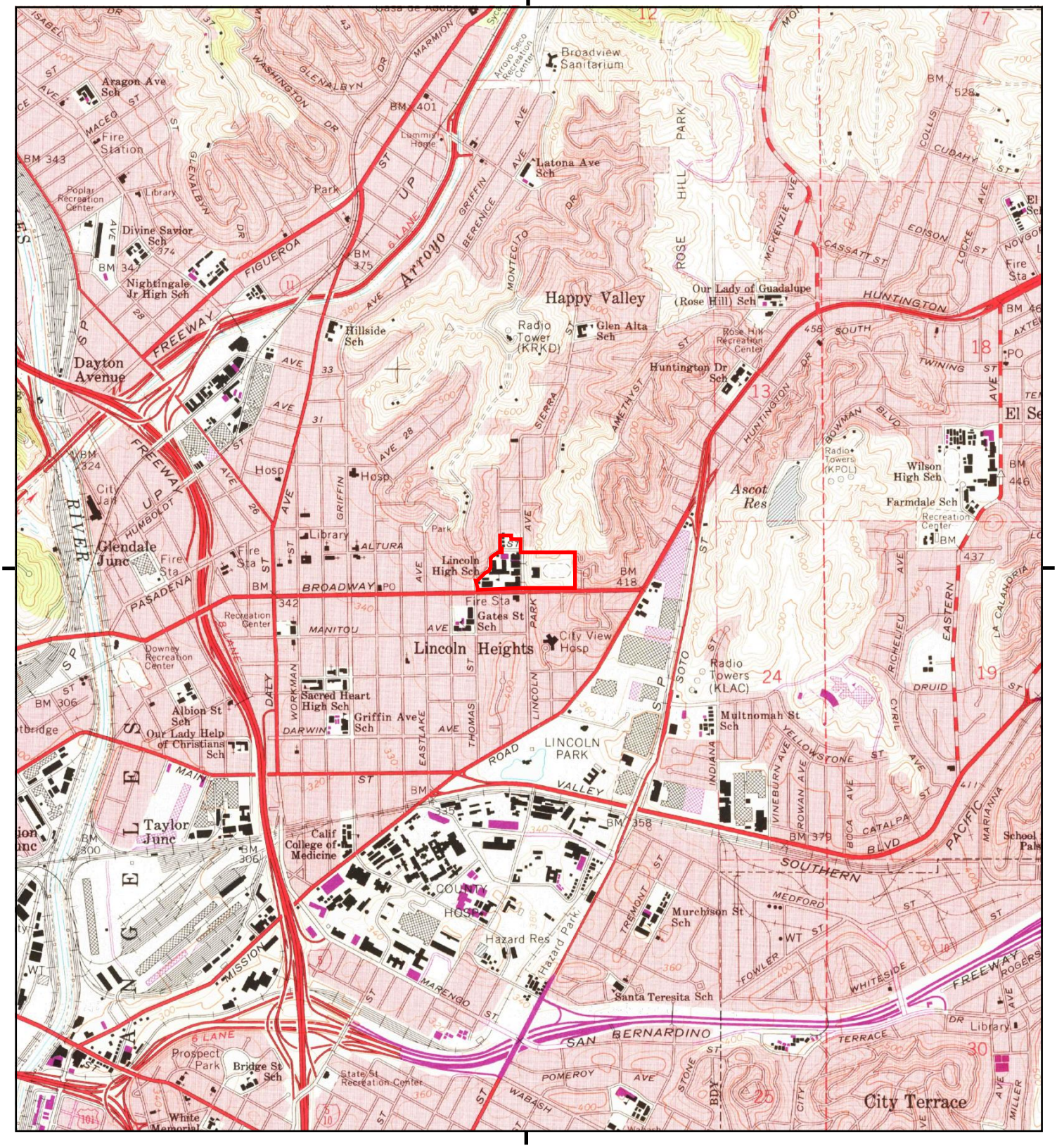
BM

Historical Topo Map

1972



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

TP, Los Angeles, 1972, 7.5-minute

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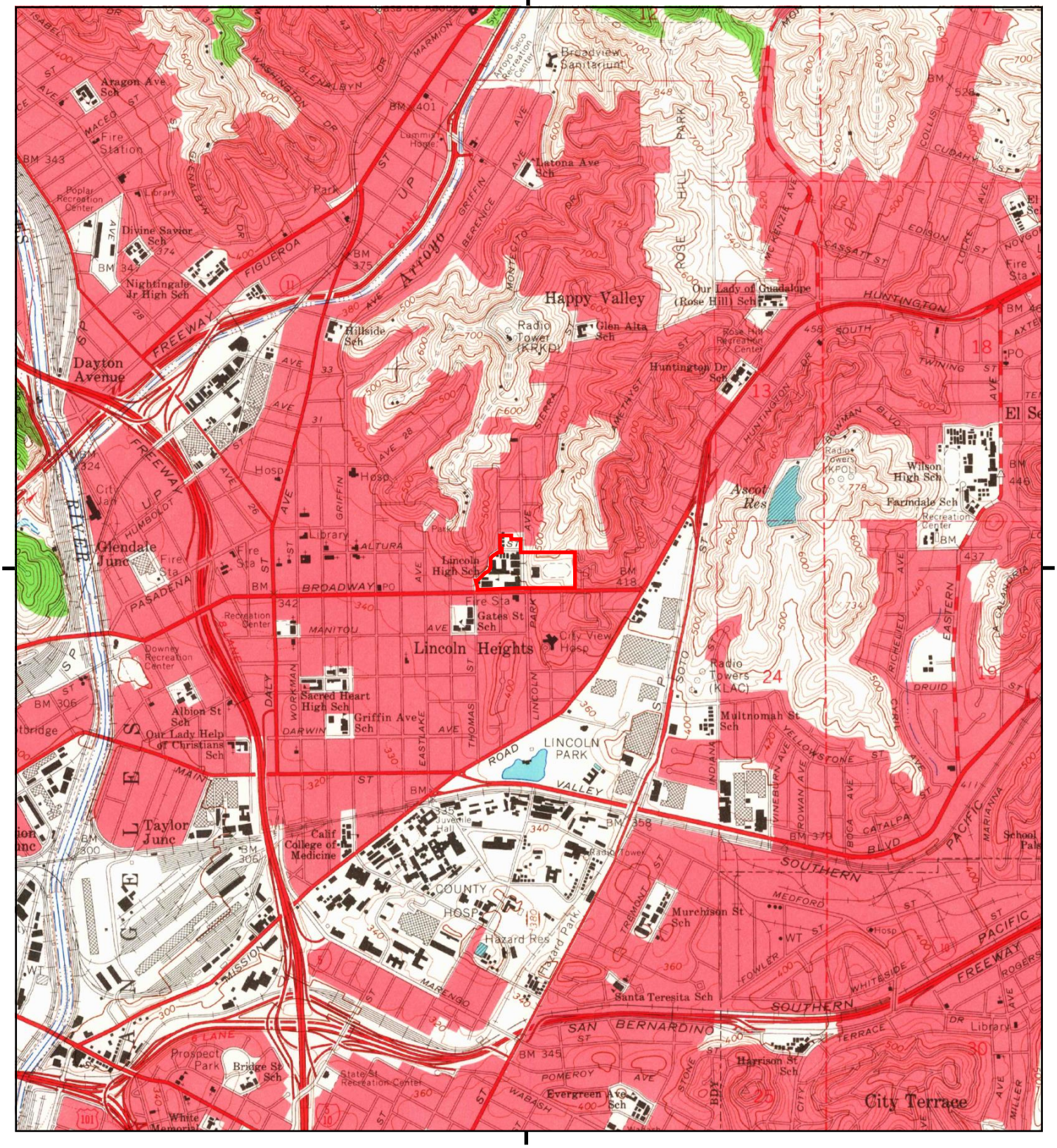
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

Historical Topo Map

1966


Aragon Ave Sch
Fire Station
Poplar Recreation Center
Library
Divine Savior Sch
Nightingale Jr High Sch
Dayton Avenue
Glendale Junc
Fire Sta
Hillside Sch
Broadview Sanitarium
Arroyo Seco Recreation Center
Lummis House
Latona Ave Sch
Happy Valley
Radio Tower (KRKD)
Glen Alta Sch
Our Lady of Guadalupe (Rose Hill) Sch
Rose Hill Recreation Center
Huntington Dr Sch
Ascot Res
Radio Towers (KPOL)
Wilson High Sch
Farmdale Sch
Recreation Center
Lincoln High Sch
Fire Sta
Gates St Sch
Lincoln Heights
City View Hosp
Radio Towers (KLAC)
Multnomah St Sch
Sacred Heart High Sch
Griffin Ave Sch
Albion St Sch
Our Lady Help of Christians Sch
Downey Recreation Center
LINCOLN PARK
Taylor Junc
Calif College of Medicine
Juvenile Hall
COUNTY HOSP
Hazard Res
Hazard Park
Murchison St Sch
Santa Teresita Sch
Harrison St Sch
Evergreen Ave Sch
City Terrace
Prospect Park
Bridge St Sch
State St Recreation Center
White Memorial
Library
Hosp
Park
BM 401
BM 343
BM 375
BM 324
BM 342
BM 306
BM 418
BM 358
BM 379
BM 345
BM 300
BM 446
BM 437
BM 528
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BM 778
BM 848
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BM 458
BM 500
BM 600
BM 700
BM 800
BM 900
BM 1000
BM 1100
BM 1200
BM 1300
BM 1400
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BM 2000
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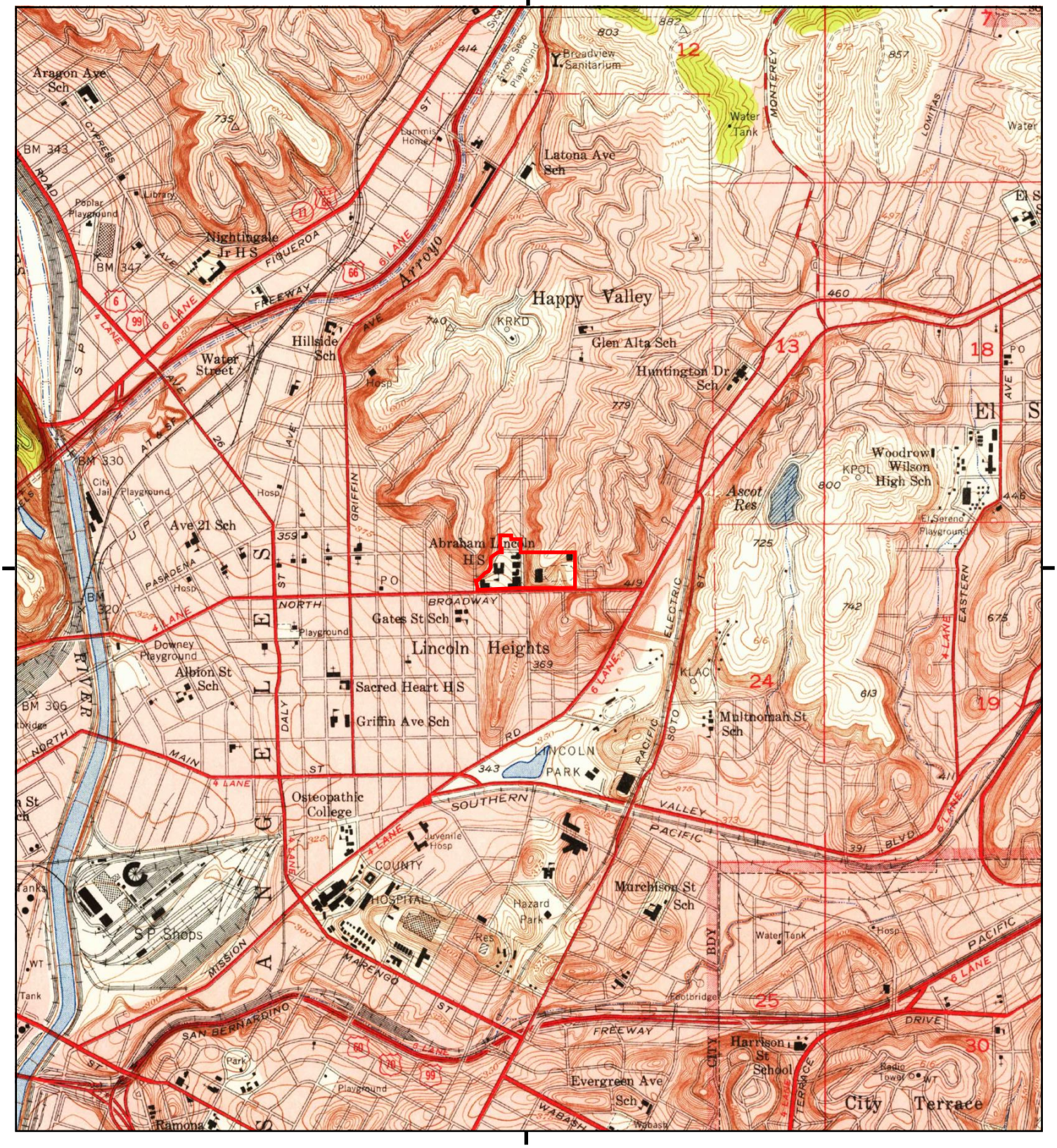
BM 2400
BM

Historical Topo Map

1953



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

TP, Los Angeles, 1953, 7.5-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

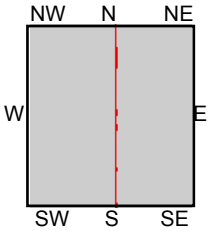
N

Historical Topo Map

1926, 1928

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



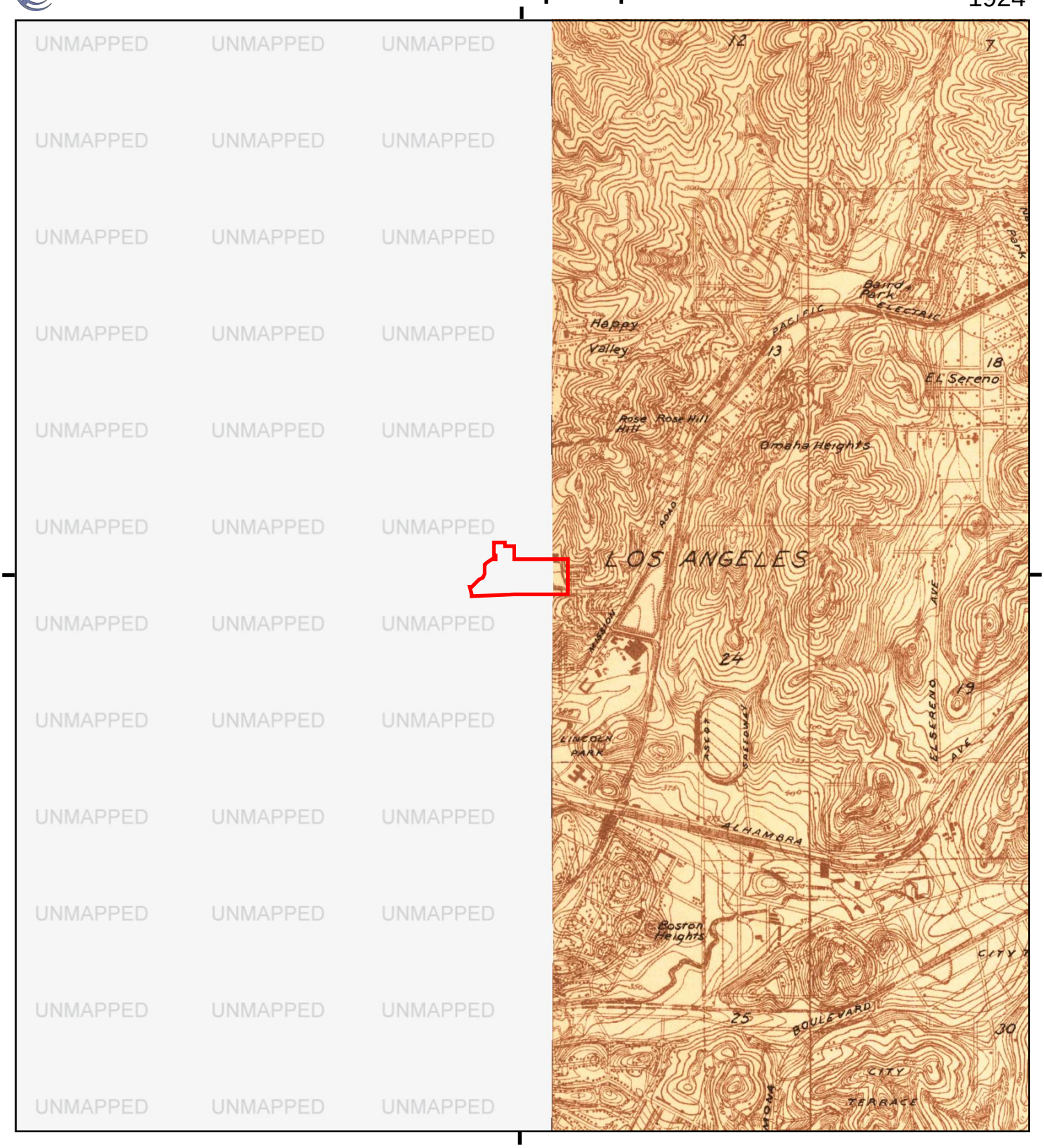
TP, Los Angeles, 1928, 7.5-minute
SE, Alhambra, 1926, 7.5-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

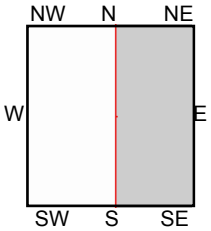
Historical Topo Map

1924



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



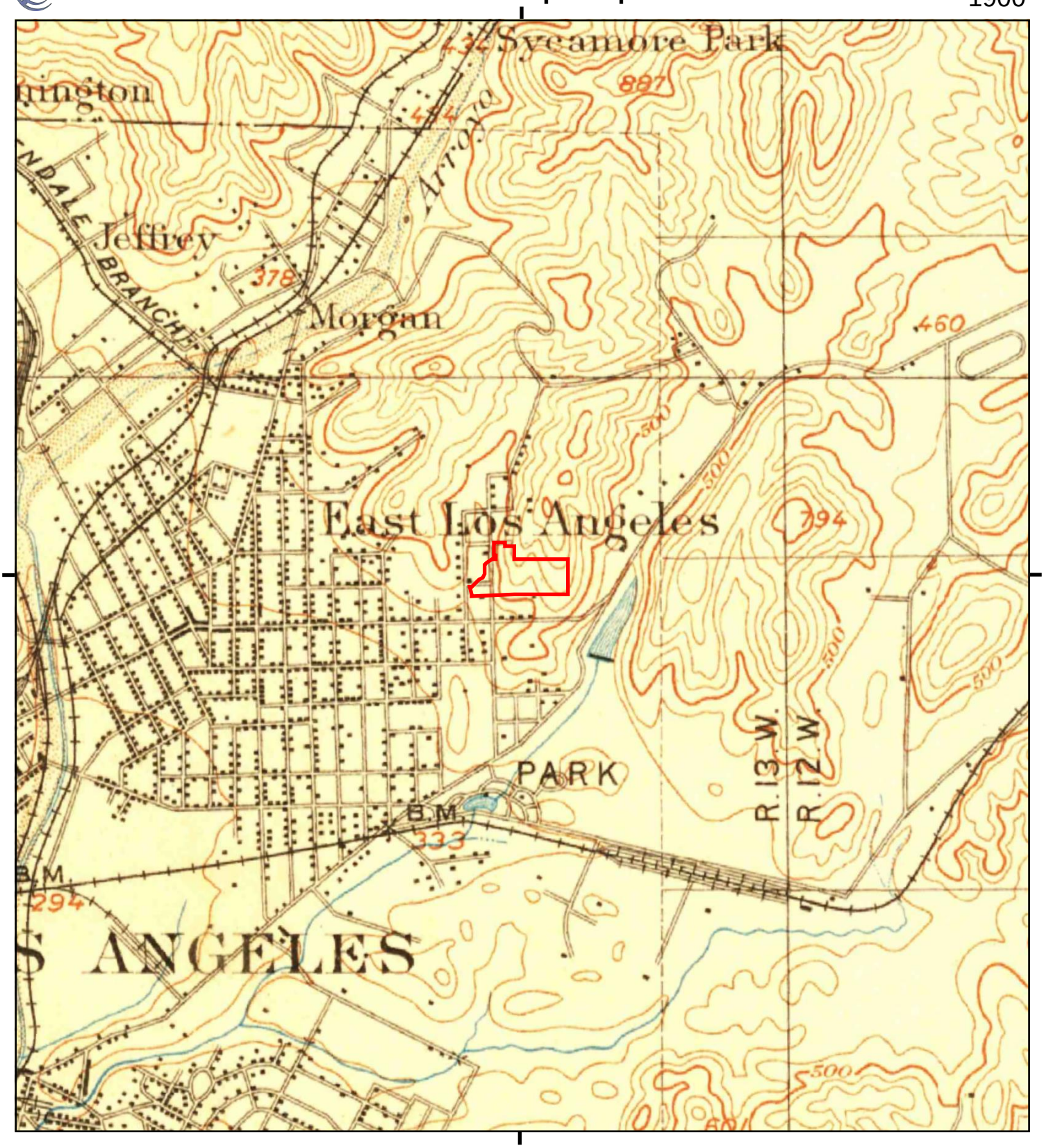
SE, Alhambra, 1924, 7.5-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

Historical Topo Map

1900



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

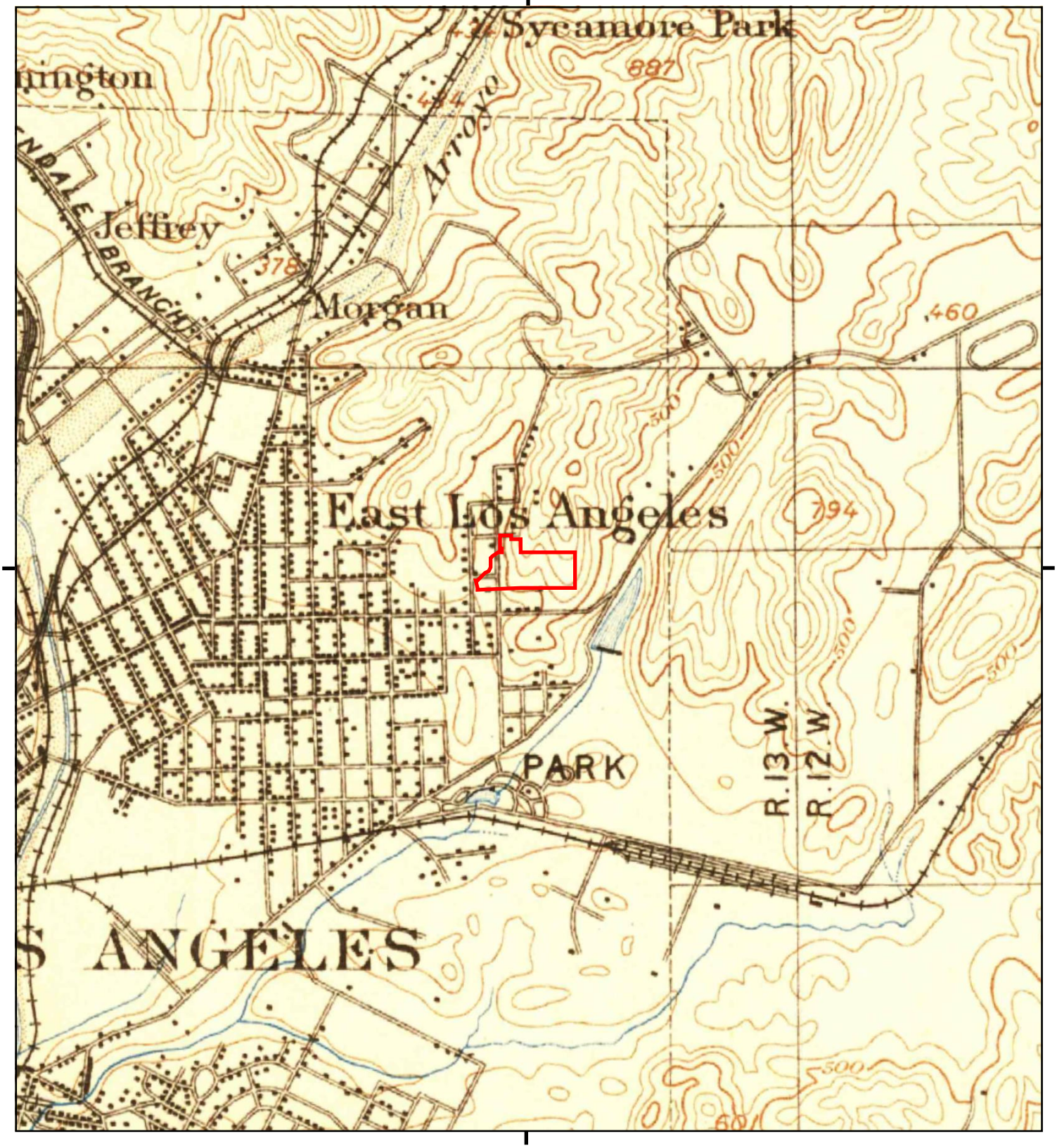
TP, Pasadena, 1900, 15-minute
TP, Los Angeles, 1900, 15-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

Historical Topo Map

1896



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

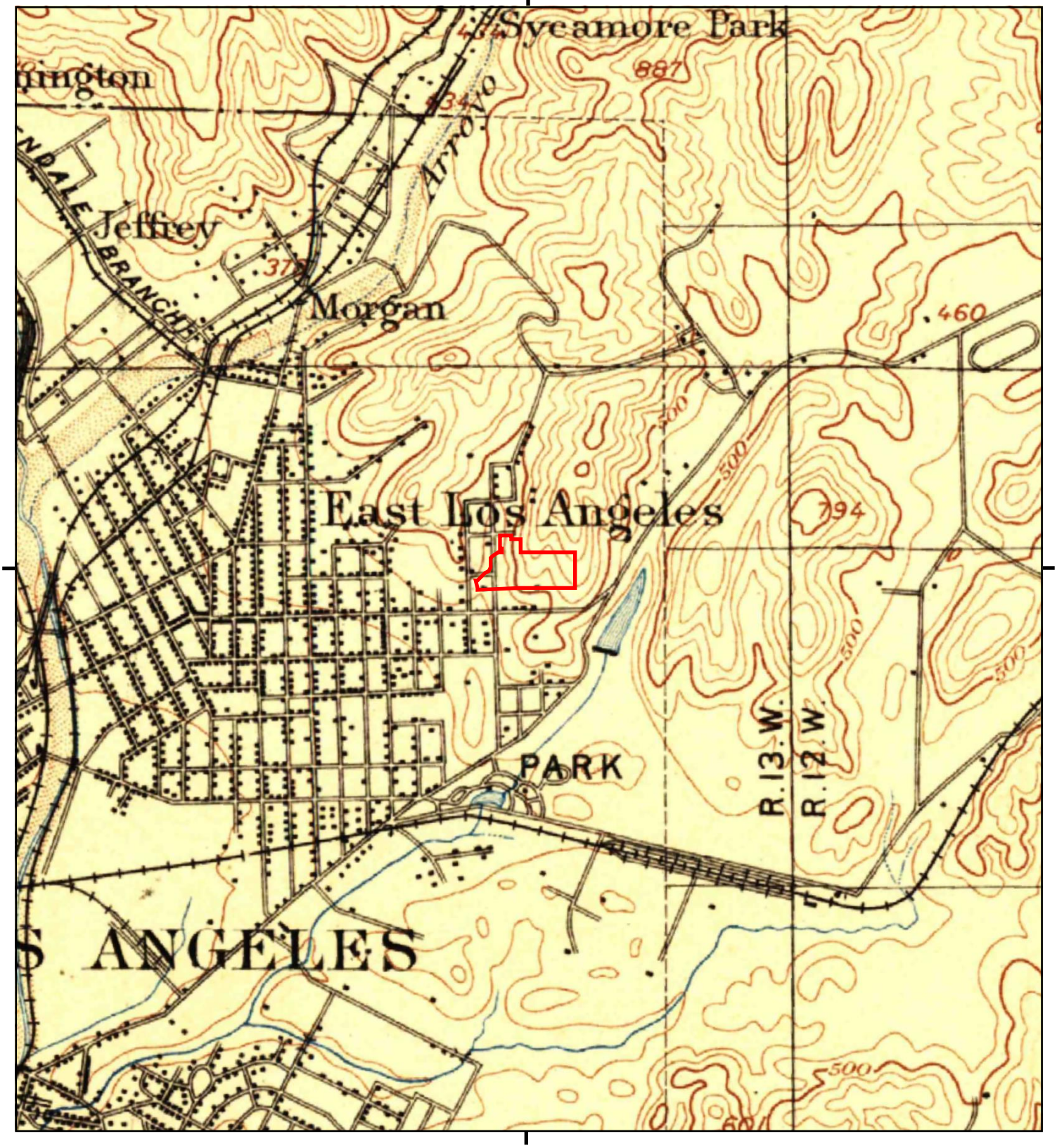
TP, Pasadena, 1896, 15-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

Historical Topo Map

1894



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1894, 15-minute

SITE NAME: 3501 N. Broadway
ADDRESS: 3501 N. Broadway
Los Angeles, CA 90031
CLIENT: Alisto Engineering Group

N

APPENDIX E

AERIAL PHOTOGRAPHS

3501 N. Broadway

3501 N. Broadway

Los Angeles, CA 90031

Inquiry Number: 4965983.12

June 27, 2017

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/27/17

Site Name:

3501 N. Broadway
3501 N. Broadway
Los Angeles, CA 90031
EDR Inquiry # 4965983.12

Client Name:

Alisto Engineering Group
2737 North Main Street
Walnut Creek, CA 94597-0000
Contact: AL Sevilla

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: April 25, 1977	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 08, 1970	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: August 02, 1952	USGS
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS
1923	1"=500'	Flight Date: January 01, 1923	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 4965983.12

YEAR: 2012

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 2010

= 500'

N

EDR

INQUIRY #: 4965983.12
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 4965983.12

YEAR: 2005

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 2002

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1994

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1989

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1981

= 500'

N

EDR

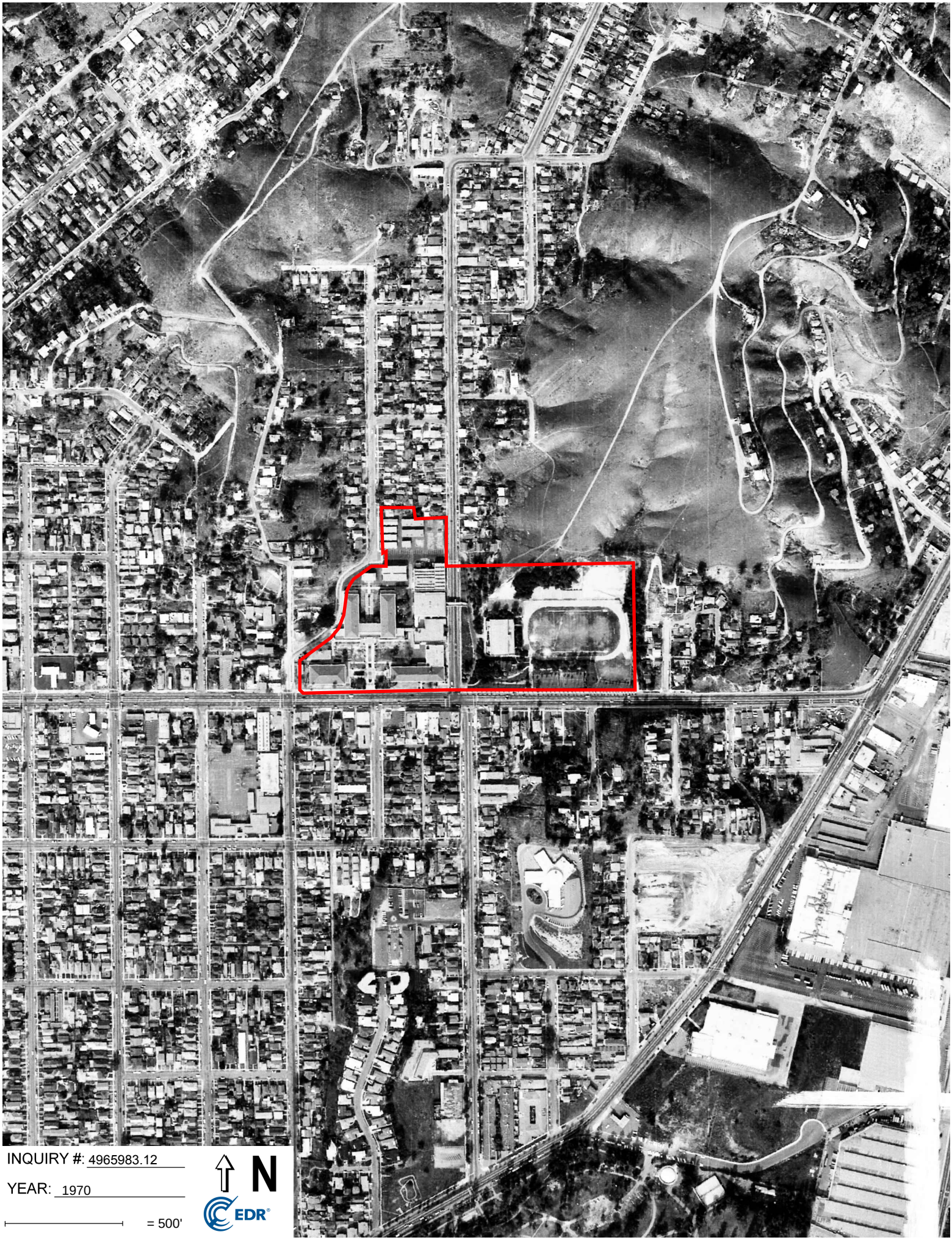
INQUIRY #: 4965983.12

YEAR: 1977

= 500'

N

EDR



INQUIRY #: 4965983.12

YEAR: 1970

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1964

= 500'

N

EDR

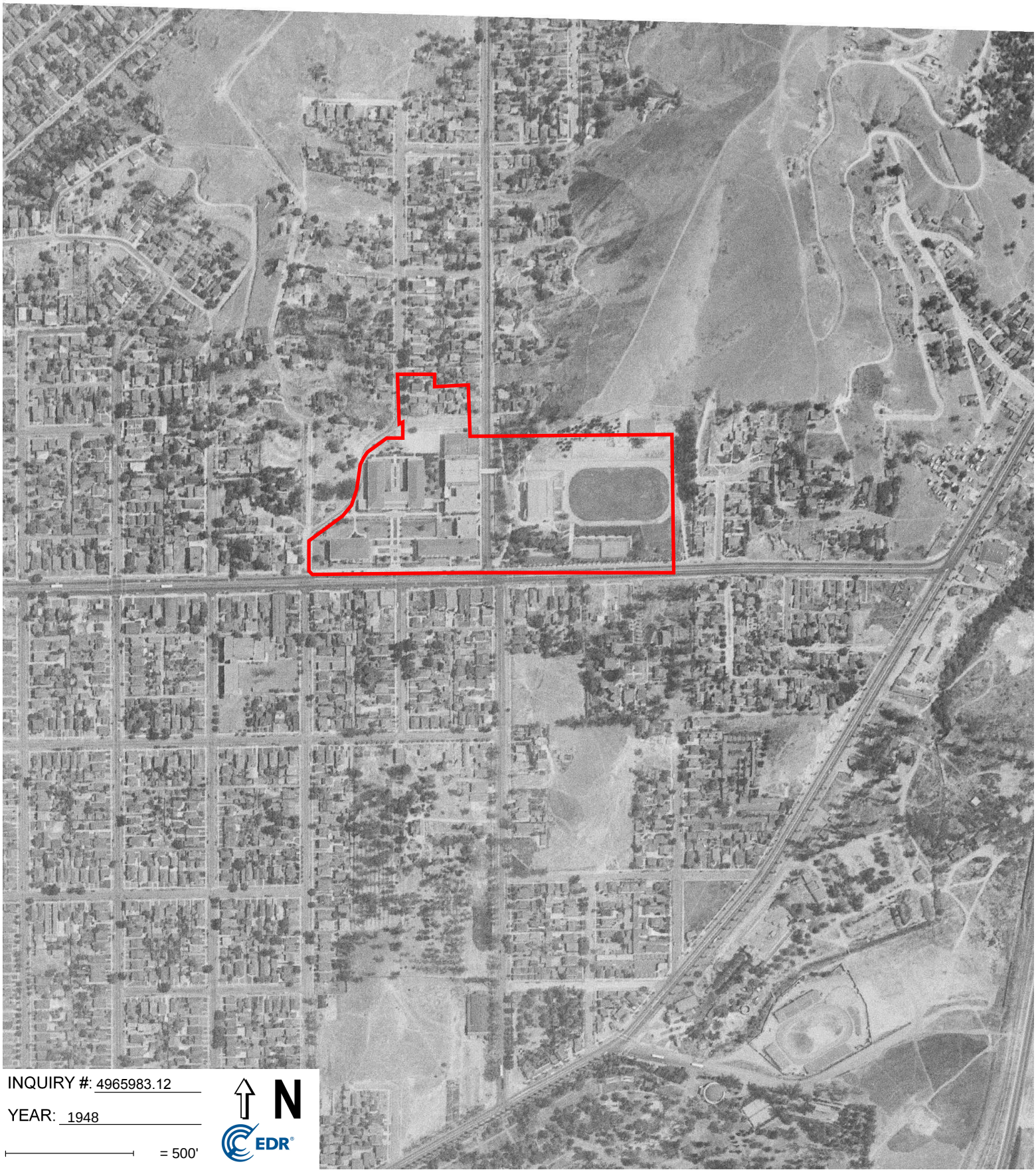
INQUIRY #: 4965983.12

YEAR: 1952

= 500'

N

EDR



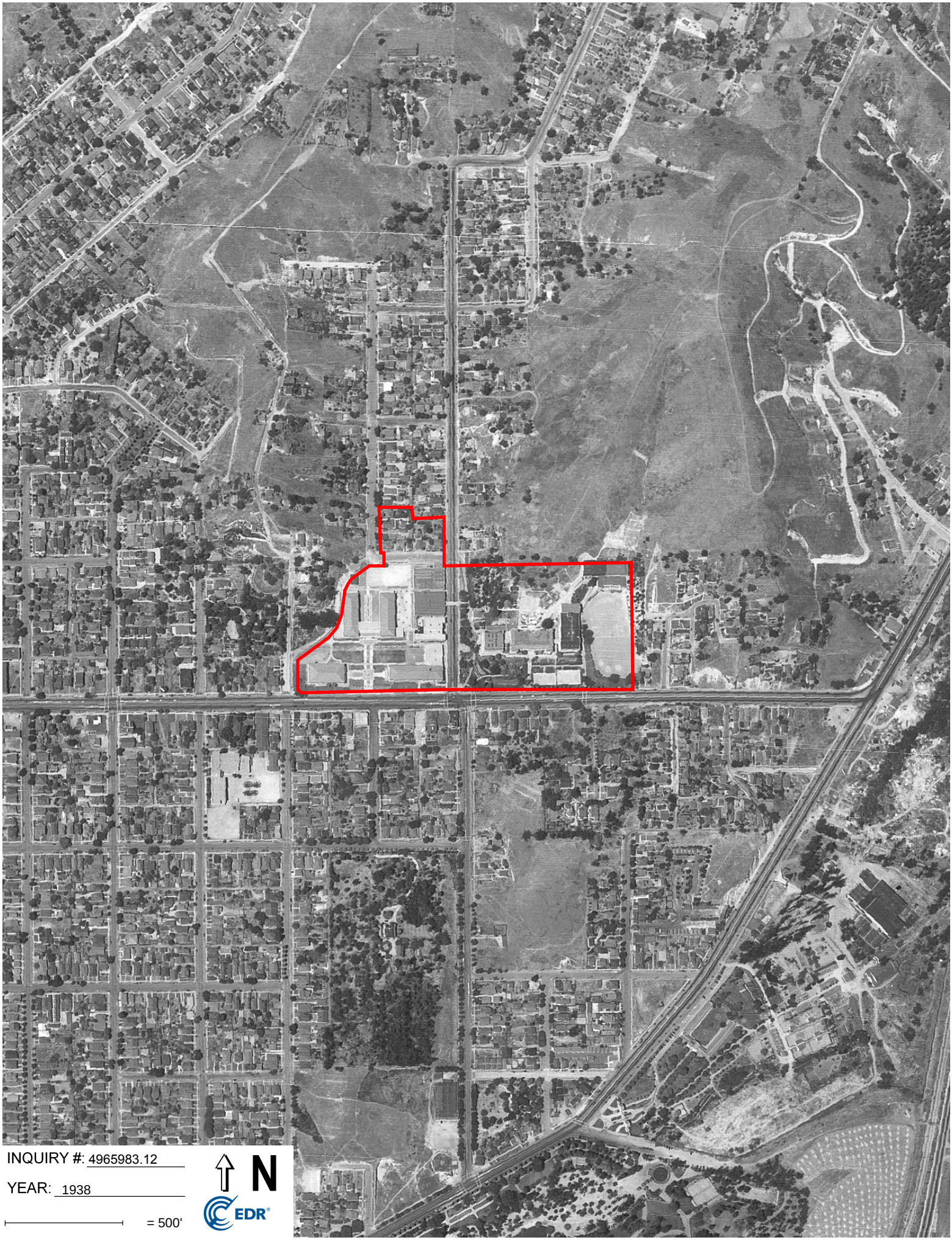
INQUIRY #: 4965983.12

YEAR: 1948

= 500'

N

EDR



INQUIRY #: 4965983.12

YEAR: 1938

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1928

= 500'

N

EDR

INQUIRY #: 4965983.12

YEAR: 1923

= 500'

N

EDR

APPENDIX F
QUESTIONNAIRES

ALISTO ENGINEERING GROUP, INC.

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

STANDARD PHASE I ESA QUESTIONNAIRE

(Please circle your answer)

		Owner / Site Manager	Site Visit by Consultant
1a)	Is the property used for industrial use?	Yes No Unknown	Yes No Unknown
1b)	Is adjacent property used for industrial?	Yes No Unknown	Yes No Unknown
2a)	Past property use as industrial?	Yes No Unknown	Yes No Unknown
2b)	Past adjoin property used industrial?	Yes No Unknown	Yes No Unknown
3a)	Present property a gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes No Unknown	Yes No Unknown
3b)	Adjoin property present as gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes No Unknown	Yes No Unknown
4a)	Is the Property a past gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes No Unknown per Alisto draft PI ESA	Yes No Unknown
4b)	Adjoin property past gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes No Unknown per Alisto draft PI ESA	Yes No Unknown
5a)	Currently any discarded automobiles, Batteries, pesticides, paints, or other chemicals over 5 gal on the property	Yes No Unknown	Yes No Unknown
5b)	Have there been any discarded automobiles, Batteries, pesticides, paints, or other chemicals over 5 gal on the property	Yes No Unknown	Yes No Unknown
6a)	Current industrial drums 55gal or sacks of chemicals at facility?	Yes No Unknown	Yes No Unknown
6b)	Past industrial drums 55gal or sacks of chemicals at facility?	Yes No Unknown	Yes No Unknown
7a)	Have you observed fill dirt brought in?	Yes No Unknown	Yes No Unknown

7b)	Evidence of past fill dirt brought in?	Yes	No	Unknown	Yes	No	Unknown
8a)	Current pits pond or lagoons used for waste treatment?	Yes	No	Unknown	Yes	No	Unknown
8b)	Past pits, pond, or lagoons used for waste treatment on Property?	Yes	No	Unknown	Yes	No	Unknown
9a)	Current stained soil on Property?	Yes	No	Unknown	Yes	No	Unknown
9b)	Past stained soil on Property?	Yes	No	Unknown	Yes	No	Unknown
10a)	Any current storage tanks on Property?	Yes	No	Unknown	Yes	No	Unknown
10b)	Past storage tanks on Property?	Yes	No	Unknown	Yes	No	Unknown
11a)	Are there currently any vent pipes fill pipes, or access ways indicating a fill pipe protruding from the ground on property?	Yes	No	Unknown	Yes	No	Unknown
11b)	Have there been any vent pipes fill pipes, or access ways indicating a fill pipe protruding from the ground on property?	Yes	No	Unknown	Yes	No	Unknown
12a)	Current evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls or exposed ground?	Yes	No	Unknown	Yes	No	Unknown
12b)	Past evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls or exposed ground?	Yes	No	Unknown	Yes	No	Unknown
13a)	Is there a well on property?	Yes	No	Unknown	Yes	No	Unknown
14)	Does the owner or occupant have knowledge of environmental liens or governmental notifications relating to past or recurring violations of environmental laws with respect to the property?	Yes	No	Unknown			
15a)	Has the owner or occupant been informed of past existence of hazardous substances or petroleum products with respect to the property?	Yes	No	Unknown			
15b)	Has the owner or occupant been informed of existing hazardous substances or petroleum products with respect to the property?	Yes	No	Unknown			

15c) Has the owner or occupant been informed of past existence of environmental violations with respect to the property?	Yes	No	Unknown			
15d) Has the owner or occupant been informed of existing environmental violations with respect to the property?	Yes	No	Unknown			
16) Has the owner or occupant been informed any environmental assessment of the property indicating the presence of hazardous substances or petroleum products?	Yes	No	Unknown			
17) Does the owner of property know of any past threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous sustenance involving the property.	Yes	No	Unknown			
18a) Does property discharge waste water (not including sanitary or storm sewer) onto or adjacent to the property?	Yes	No	Unknown	Yes	No	Unknown
18b) Has the property discharge waste water (not including sanitary or storm sewer) onto or adjacent to the property?	Yes	No	Unknown	Yes	No	Unknown
19) Did you observe evidence or do you have any prior knowledge that any hazardous substance or petroleum product, unidentified waste, ~~tiers~~, tires automotive or industrial batteries, or any other waste materials have been dumped above grade on the property?	Yes	No	Unknown	Yes	No	Unknown
20) Is there a transformer, capacitor, or hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	No	Unknown	Yes	No	Unknown

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

The Owner/Site Manager questionnaire was completed by:

Name: LAWRENCE BROWN Phone: (213) 241-4203

Title: OEHS SITE ASSESSMENT PM Date: 9/26/2017

Firm: LAUSD Relationship to site

Address: 333 S. BEACON, LA CA Project Mgr

The Site Visit Questionnaire was completed by for Contractor:

Name: _____ Phone: _____

Title: _____ Date: _____

Firm: _____ Relationship to site

Address: _____ _____

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct, and no material facts have been suppressed or misstated.

Owner Signature: _____ Date: 9/26/2017

Consultant Signature: _____ Date: _____

ALISTO ENGINEERING GROUP, INC.

USER QUESTIONNAIRE

In accordance with the requirements of the AAI (ASTM E 1527-05), the *user* (or party seeking to complete and subsequently use the environmental site assessment of the property), must provide the following information, if available. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

NONE

(2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any land use limitations, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

NONE

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *user* of this *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

NONE

(4.) Relationship of the purchase price to the fair market value of the *property* if it was not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

N/A

ALISTO ENGINEERING GROUP, INC.

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

(a.) Do you know the past uses of the *property*? If so, list the past use or uses of the *property* to the best of your knowledge. SCHOOL SINCE 1920'S

(b.) Do you know of specific chemicals that are present or once were present at the *property*? If so, please list them. NONE

(c.) Do you know of spills or other chemical releases that have taken place at the *property*? NONE

(d.) Do you know of any environmental cleanups that have taken place at the *property*? If so, please provide additional information. NONE

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *ESA*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*? NONE

Property: Lincoln High School, 3501 N. Broadway, Los Angeles, CA

The User Questionnaire (Appendix X-3 of ASTM 1527-05) was completed by:

Name: LAWRENCE BROWN Phone: 213) 241-4263

Title: OEHS SITE ASSESSMENT P.M. Date: 9/26/2017

Company Name: LAUSD Address: 333 S. BEAUDRY

Relationship to site: P.M. LA, CA

ALISTO ENGINEERING GROUP, INC.

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

STANDARD PHASE I ESA QUESTIONNAIRE

(Please circle your answer)

		Owner / Site Manager			Site Visit by Consultant		
1a)	Is the property used for industrial use?	Yes	No	Unknown	Yes	No	Unknown
1b)	Is adjacent property used for industrial?	Yes	No	Unknown	Yes	No	Unknown
2a)	Past property use as industrial?	Yes	No	Unknown	Yes	No	Unknown
2b)	Past adjoin property used industrial?	Yes	No	Unknown	Yes	No	Unknown
3a)	Present property a gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
3b)	Adjoin property present as gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
4a)	Is the Property a past gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
4b)	Adjoin property past gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
5a)	Currently any discarded automobiles, Batteries, pesticides, paints, or other chemicals over 5 gal on the property	Yes	No	Unknown	Yes	No	Unknown
5b)	Have there been any discarded automobiles, Batteries, pesticides, paints, or other chemicals over 5 gal on the property	Yes	No	Unknown	Yes	No	Unknown
6a)	Current industrial drums 55gal or sacks of chemicals at facility?	Yes	No	Unknown	Yes	No	Unknown
6b)	Past industrial drums 55gal or sacks of chemicals at facility?	Yes	No	Unknown	Yes	No	Unknown
7a)	Have you observed fill dirt brought in?	Yes	No	Unknown	Yes	No	Unknown

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

7b)	Evidence of past fill dirt brought in?	Yes	No	Unknown	Yes	No	Unknown
8a)	Current pits pond or lagoons used for waste treatment?	Yes	No	Unknown	Yes	No	Unknown
8b)	Past pits, pond, or lagoons used for waste treatment on Property?	Yes	No	Unknown	Yes	No	Unknown
9a)	Current stained soil on Property?	Yes	No	Unknown	Yes	No	Unknown
9b)	Past stained soil on Property?	Yes	No	Unknown	Yes	No	Unknown
10a)	Any current storage tanks on Property?	Yes	No	Unknown	Yes	No	Unknown
10b)	Past storage tanks on Property?	Yes	No	Unknown	Yes	No	Unknown
11a)	Are there currently any vent pipes fill pipes, or access ways indicating a fill pipe protruding from the ground on property?	Yes	No	Unknown	Yes	No	Unknown
11b)	Have there been any vent pipes fill pipes, or access ways indicating a fill pipe protruding from the ground on property?	Yes	No	Unknown	Yes	No	Unknown
12a)	Current evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls or exposed ground?	Yes	No	Unknown	Yes	No	Unknown
12b)	Past evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls or exposed ground?	Yes	No	Unknown	Yes	No	Unknown
13a)	Is there a well on property?	Yes	No	Unknown	Yes	No	Unknown
14)	Does the owner or occupant have knowledge of environmental liens or governmental notifications relating to past or recurring violations of environmental laws with respect to the property?	Yes	No	Unknown			
15a)	Has the owner or occupant been informed of past existence of hazardous substances or petroleum products with respect to the property?	Yes	No	Unknown			
15b)	Has the owner or occupant been informed of existing hazardous substances or petroleum products with respect to the property?	Yes	No	Unknown			

15c) Has the owner or occupant been informed of past existence of environmental violations with respect to the property?	Yes	No	Unknown			
15d) Has the owner or occupant been informed of existing environmental violations with respect to the property?	Yes	No	Unknown			
16) Has the owner or occupant been informed any environmental assessment of the property indicating the presence of hazardous substances or petroleum products?	Yes	No	Unknown			
17) Does the owner of property know of any past threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous sustenance involving the property.	Yes	No	Unknown			
18a) Does property discharge waste water (not including sanitary or storm sewer) onto or adjacent to the property?	Yes	No	Unknown	Yes	No	Unknown
18b) Has the property discharge waste water (not including sanitary or storm sewer) onto or adjacent to the property?	Yes	No	Unknown	Yes	No	Unknown
19) Did you observe evidence or do you have any prior knowledge that any hazardous substance or petroleum product, unidentified waste, tiers, automotive or industrial batteries, or any other waste materials have been dumped above grade on the property?	Yes	No	Unknown	Yes	No	Unknown
20) Is there a transformer, capacitor, or hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	No	Unknown	Yes	No	Unknown

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

The Owner/Site Manager questionnaire was completed by:

Name:_____ Phone:_____

Title:_____ Date:_____

Firm:_____ Relationship to site

Address:_____ _____

The Site Visit Questionnaire was completed by for Contractor:

Name: James Ramos Phone: 925-279-5000

Title: Project Engineer Date: 7-6-17

Firm: Alisto Engineering Relationship to site

Address: 2737 N. Main St, #200, WALNUT CREEK, CA _____

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct, and no material facts have been suppressed or misstated.

Owner Signature: _____ Date: _____

Consultant Signature: _____ Date: 7-6-17

ALISTO ENGINEERING GROUP, INC.

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

STANDARD PHASE I ESA QUESTIONNAIRE

(Please circle your answer)

		Owner / Site Manager			Site Visit by Consultant		
1a)	Is the property used for industrial use?	Yes	No	Unknown	Yes	No	Unknown
1b)	Is adjacent property used for industrial?	Yes	No	Unknown	Yes	No	Unknown
2a)	Past property use as industrial?	Yes	No	Unknown	Yes	No	Unknown
2b)	Past adjoin property used industrial?	Yes	No	Unknown	Yes	No	Unknown
3a)	Present property a gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
3b)	Adjoin property present as gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
4a)	Is the Property a past gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
4b)	Adjoin property past gas station? Motor repair, printing, platting, dry cleaner, Laboratory, junkyard, landfill, recycling, or waste treatment	Yes	No	Unknown	Yes	No	Unknown
5a)	Currently any discarded automobiles, Batteries, pesticides, paints, or other chemicals over 5 gal on the property	Yes	No	Unknown	Yes	No	Unknown
5b)	Have there been any discarded automobiles, Batteries, pesticides, paints, or other chemicals over 5 gal on the property	Yes	No	Unknown	Yes	No	Unknown
6a)	Current industrial drums 55gal or sacks of chemicals at facility?	Yes	No	Unknown	Yes	No	Unknown
6b)	Past industrial drums 55gal or sacks of chemicals at facility?	Yes	No	Unknown	Yes	No	Unknown
7a)	Have you observed fill dirt brought in?	Yes	No	Unknown	Yes	No	Unknown

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

7b)	Evidence of past fill dirt brought in?	Yes	No	Unknown	Yes	No	Unknown
8a)	Current pits pond or lagoons used for waste treatment?	Yes	No	Unknown	Yes	No	Unknown
8b)	Past pits, pond, or lagoons used for waste treatment on Property?	Yes	No	Unknown	Yes	No	Unknown
9a)	Current stained soil on Property?	Yes	No	Unknown	Yes	No	Unknown
9b)	Past stained soil on Property?	Yes	No	Unknown	Yes	No	Unknown
10a)	Any current storage tanks on Property?	Yes	No	Unknown	Yes	No	Unknown
10b)	Past storage tanks on Property?	Yes	No	Unknown	Yes	No	Unknown
11a)	Are there currently any vent pipes fill pipes, or access ways indicating a fill pipe protruding from the ground on property?	Yes	No	Unknown	Yes	No	Unknown
11b)	Have there been any vent pipes fill pipes, or access ways indicating a fill pipe protruding from the ground on property?	Yes	No	Unknown	Yes	No	Unknown
12a)	Current evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls or exposed ground?	Yes	No	Unknown	Yes	No	Unknown
12b)	Past evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls or exposed ground?	Yes	No	Unknown	Yes	No	Unknown
13a)	Is there a well on property?	Yes	No	Unknown	Yes	No	Unknown
14)	Does the owner or occupant have knowledge of environmental liens or governmental notifications relating to past or recurring violations of environmental laws with respect to the property?	Yes	No	Unknown			
15a)	Has the owner or occupant been informed of past existence of hazardous substances or petroleum products with respect to the property?	Yes	No	Unknown			
15b)	Has the owner or occupant been informed of existing hazardous substances or petroleum products with respect to the property?	Yes	No	Unknown			

15c)	Has the owner or occupant been informed of past existence of environmental violations with respect to the property?	Yes	No	Unknown		
15d)	Has the owner or occupant been informed of existing environmental violations with respect to the property?	Yes	No	Unknown		
16)	Has the owner or occupant been informed any environmental assessment of the property indicating the presence of hazardous substances or petroleum products?	Yes	No	Unknown		
17)	Does the owner of property know of any past threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous sustenance involving the property.	Yes	No	Unknown		
18a)	Does property discharge waste water (not including sanitary or storm sewer) onto or adjacent to the property?	Yes	No	Unknown	Yes	No	Unknown
18b)	Has the property discharge waste water (not including sanitary or storm sewer) onto or adjacent to the property?	Yes	No	Unknown	Yes	No	Unknown
19)	Did you observe evidence or do you have any prior knowledge that any hazardous substance or petroleum product, unidentified waste, tiers, automotive or industrial batteries, or any other waste materials have been dumped above grade on the property?	Yes	No	Unknown	Yes	No	Unknown
20)	Is there a transformer, capacitor, or hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	No	Unknown	Yes	No	Unknown

Site Name: Lincoln High School, 3501 N. Broadway Alisto Project No: 12-020-01

The Owner/Site Manager questionnaire was completed by:

Name: Raudel Rubalcava Phone: 323-441-4634

Title: Plant Manager Date: 7/10/17

Firm: Lincoln High School Relationship to site

Address: 3501 N. Broadway, 90031 Plant Manager

The Site Visit Questionnaire was completed by for Contractor:

Name: _____ Phone: _____

Title: _____ Date: _____

Firm: _____ Relationship to site

Address: _____ _____

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct, and no material facts have been suppressed or misstated.

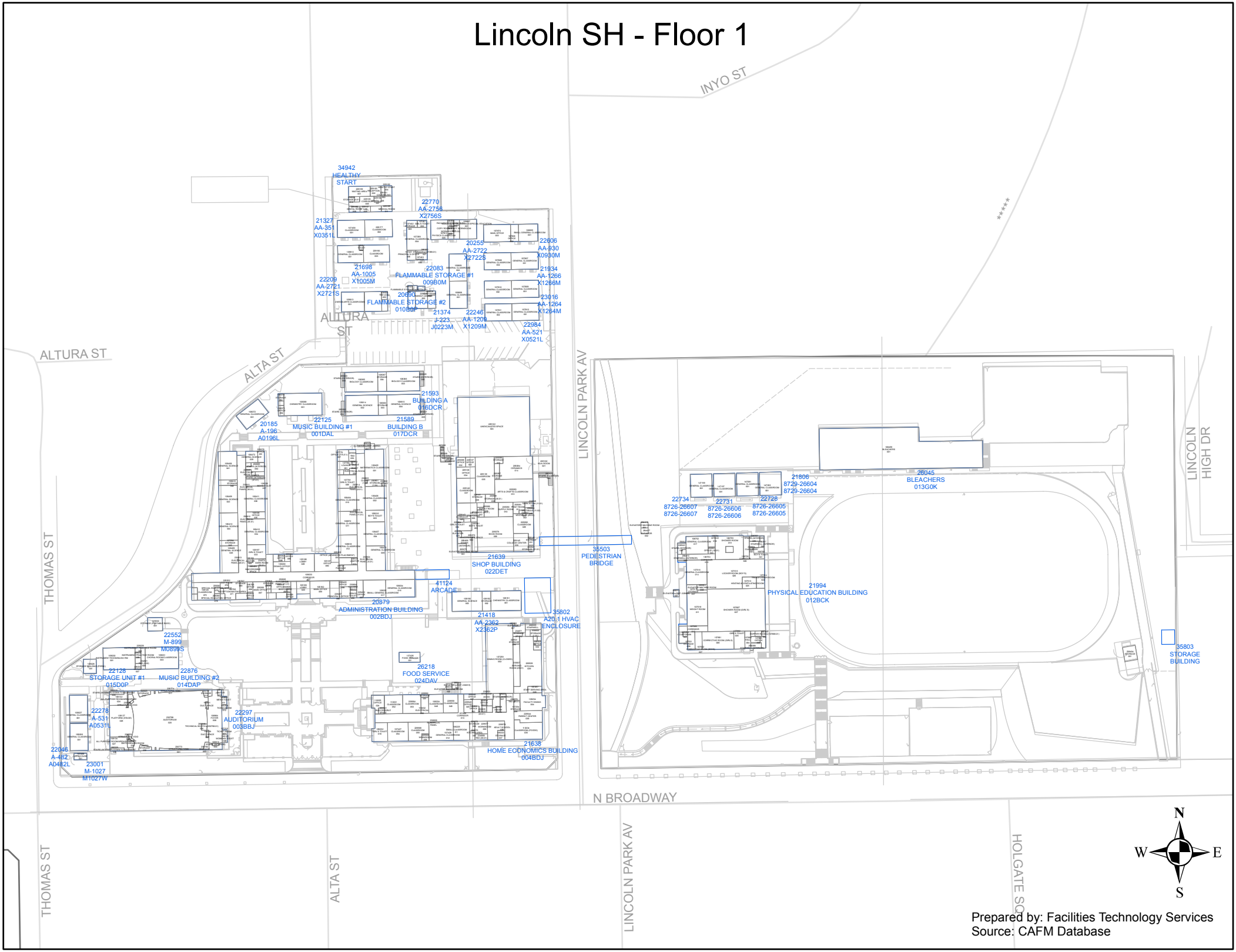
Owner Signature: _____ Date: _____

Consultant Signature: _____ Date: _____

APPENDIX G

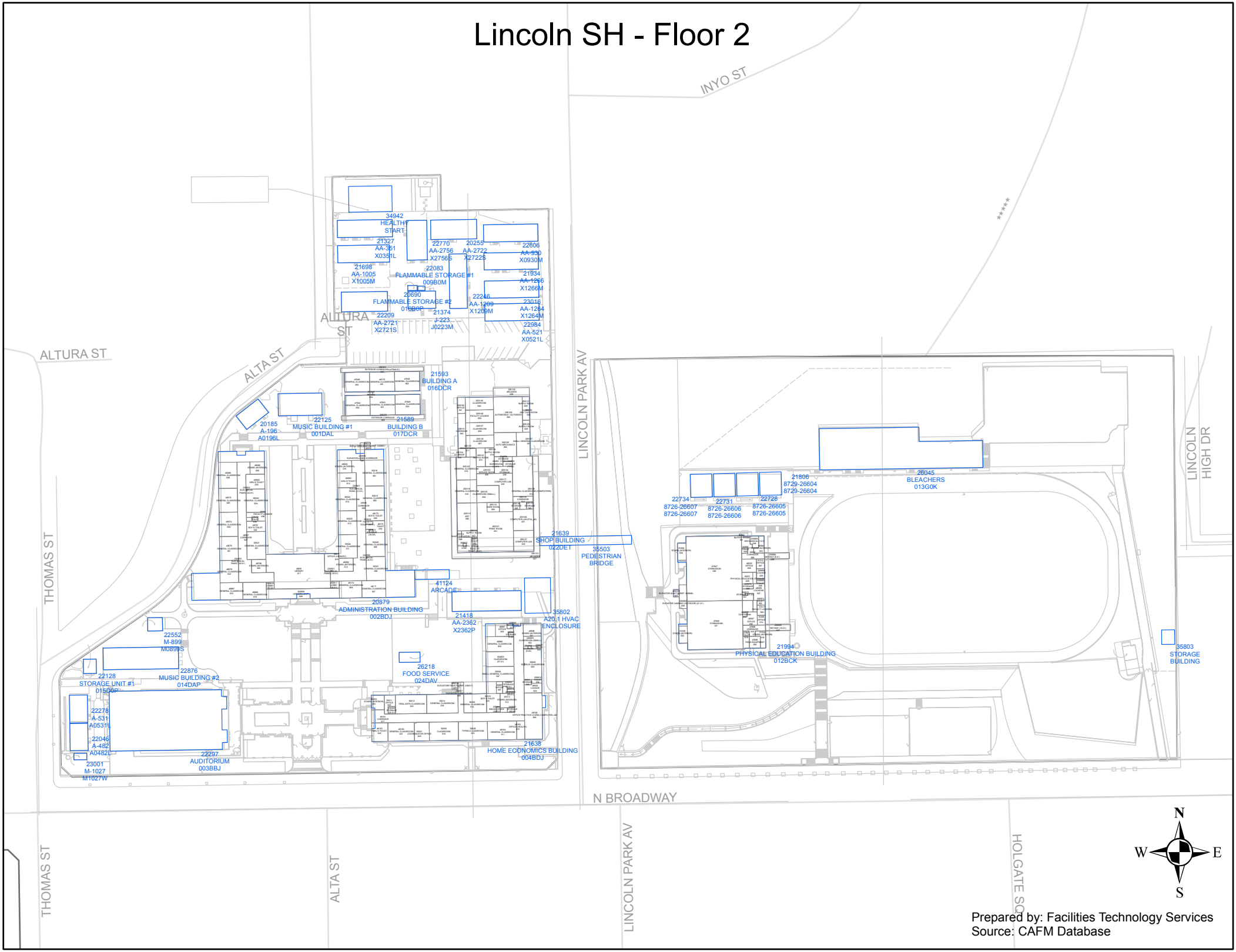
USER PROVIDED DOCUMENTS

Lincoln SH - Floor 1



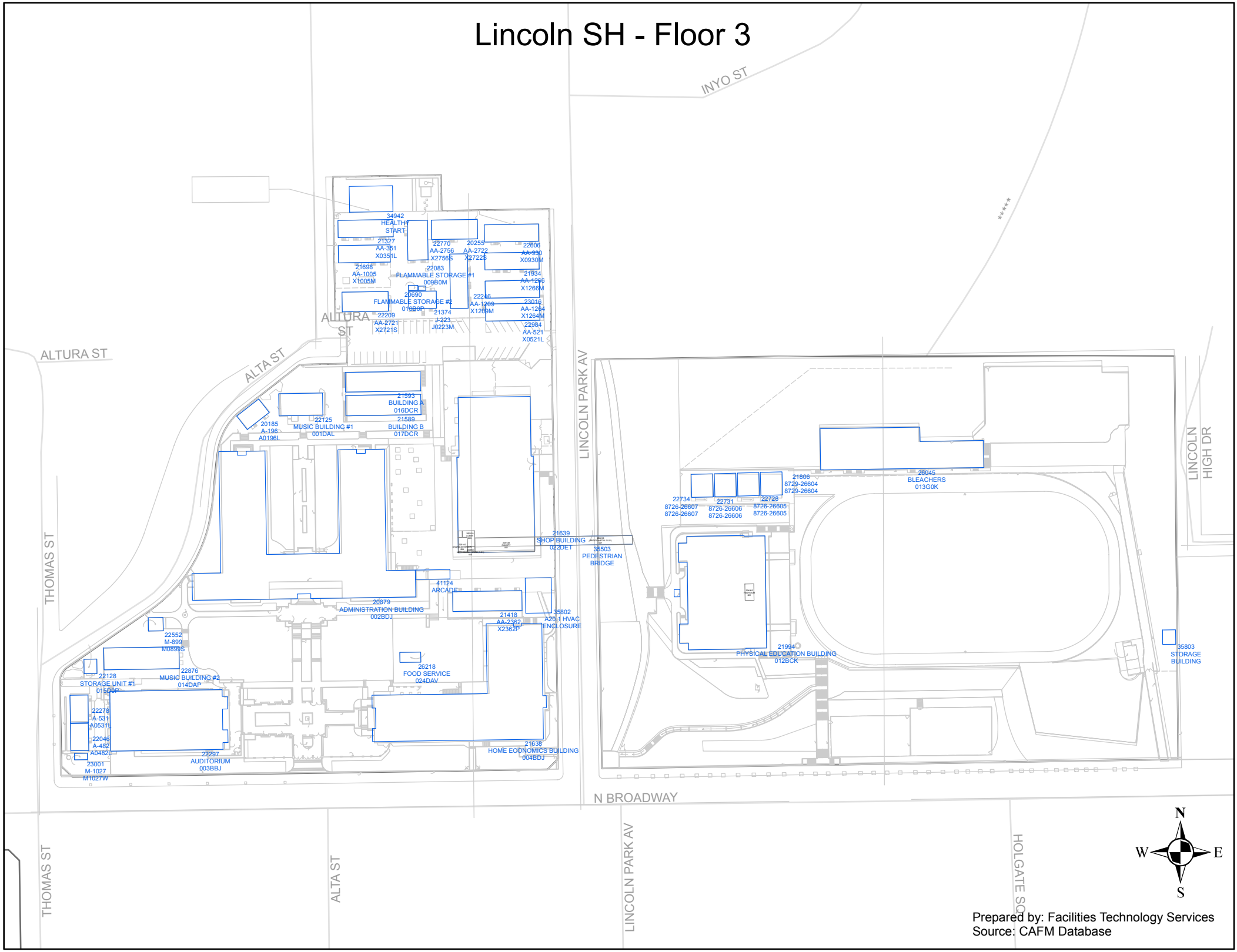
Prepared by: Facilities Technology Services
Source: CAFM Database

Lincoln SH - Floor 2



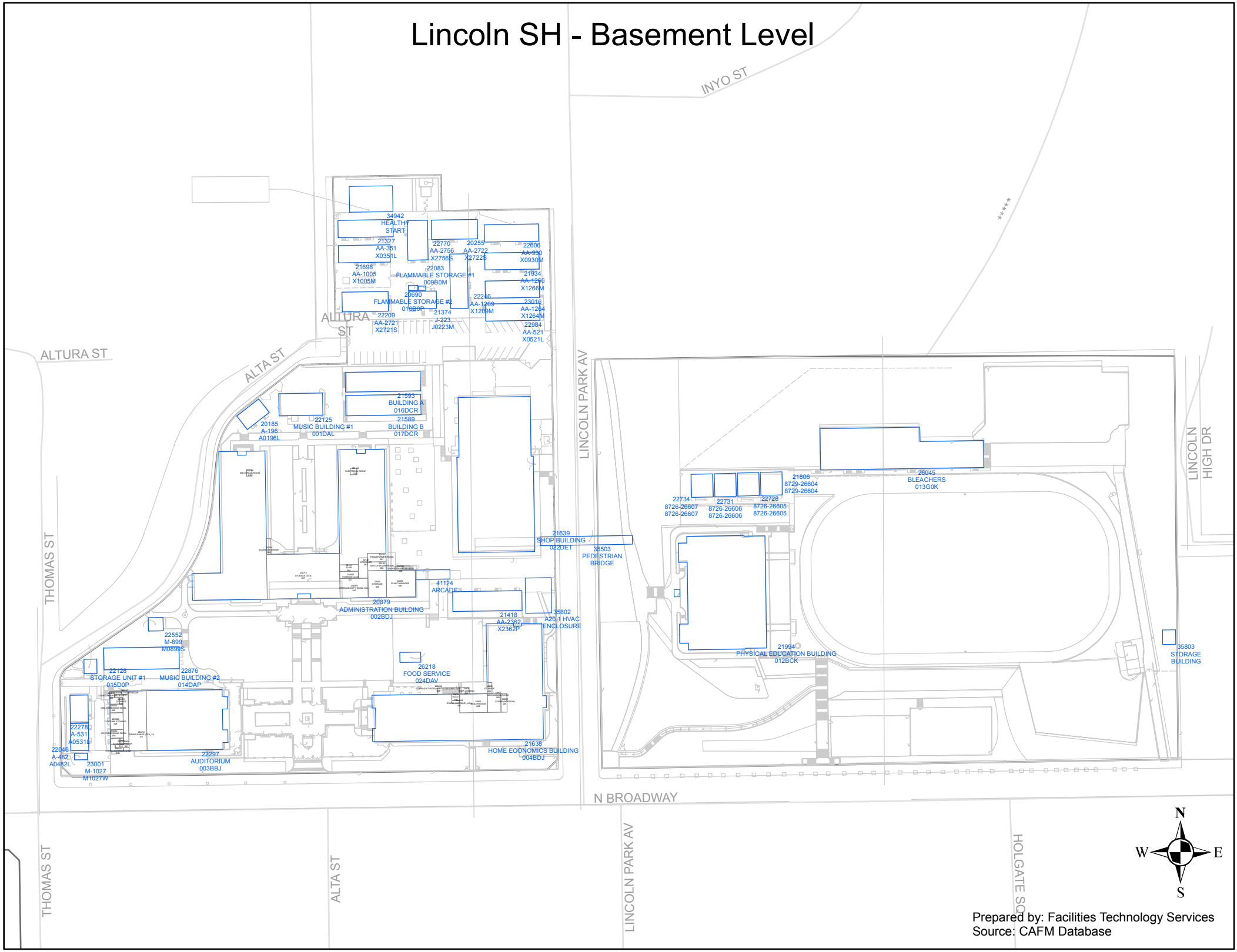
Prepared by: Facilities Technology Services
Source: CAFM Database

Lincoln SH - Floor 3



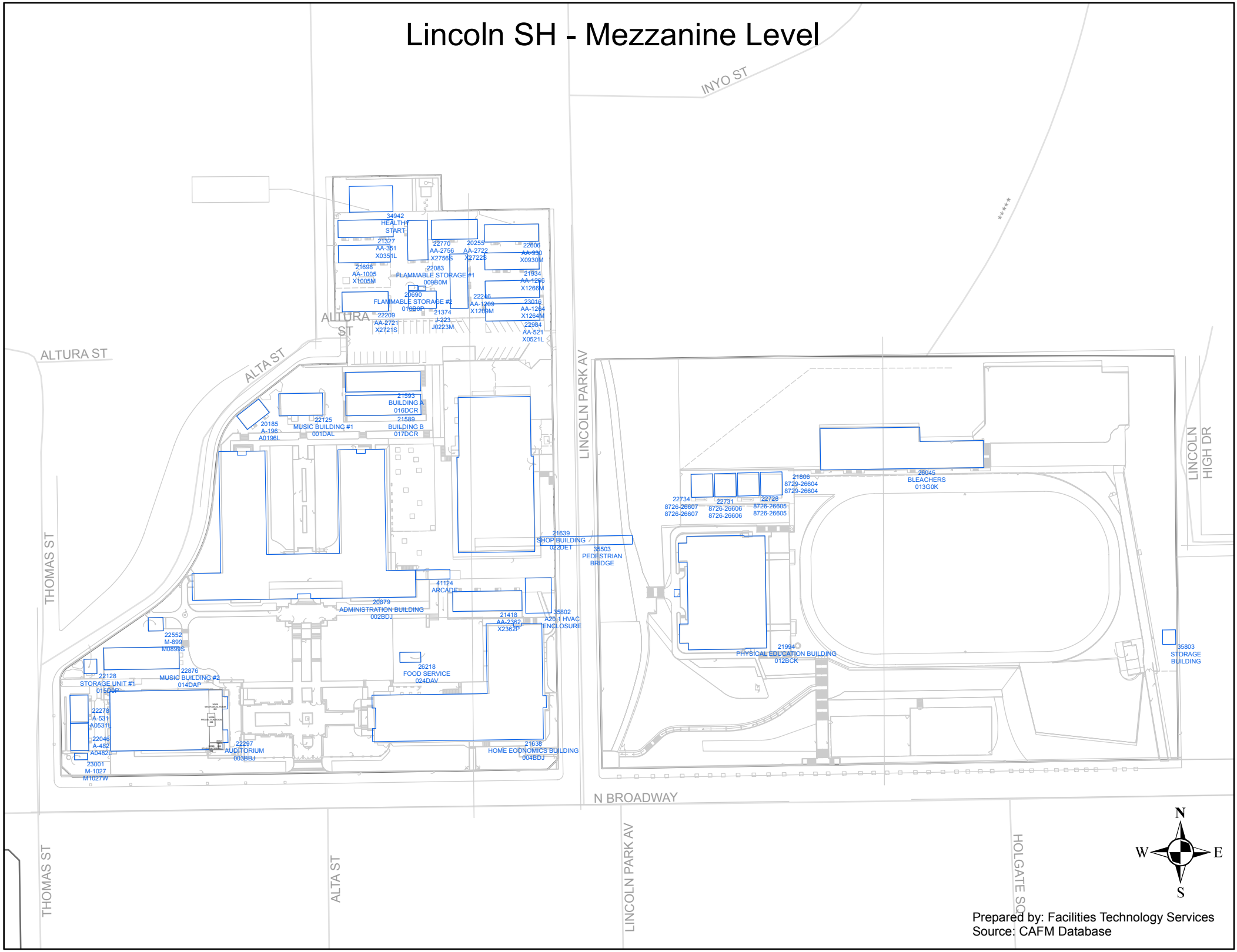
Prepared by: Facilities Technology Services
Source: CAFM Database

Lincoln SH - Basement Level



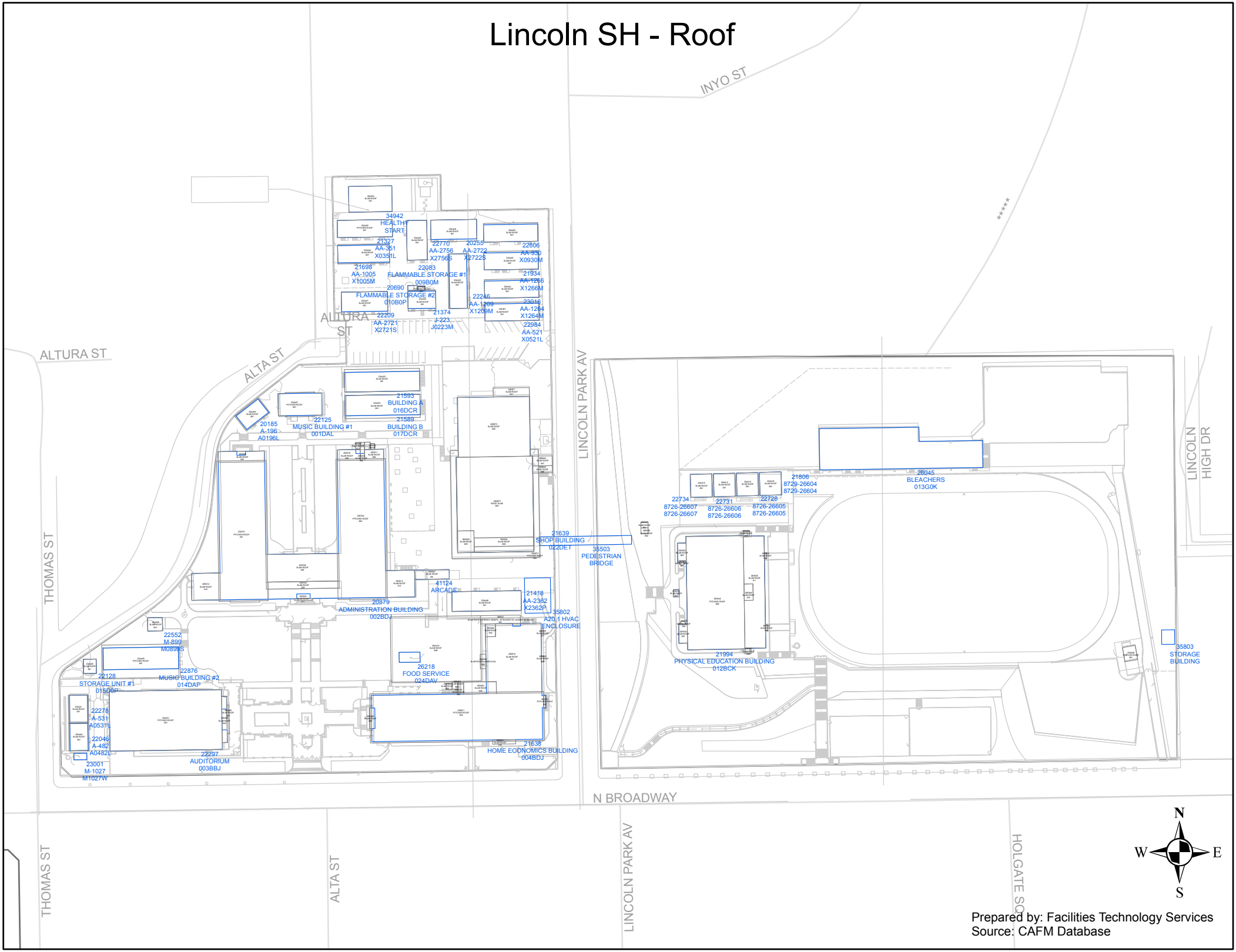
Prepared by: Facilities Technology Services
Source: CAFM Database

Lincoln SH - Mezzanine Level



Prepared by: Facilities Technology Services
Source: CAFM Database

Lincoln SH - Roof



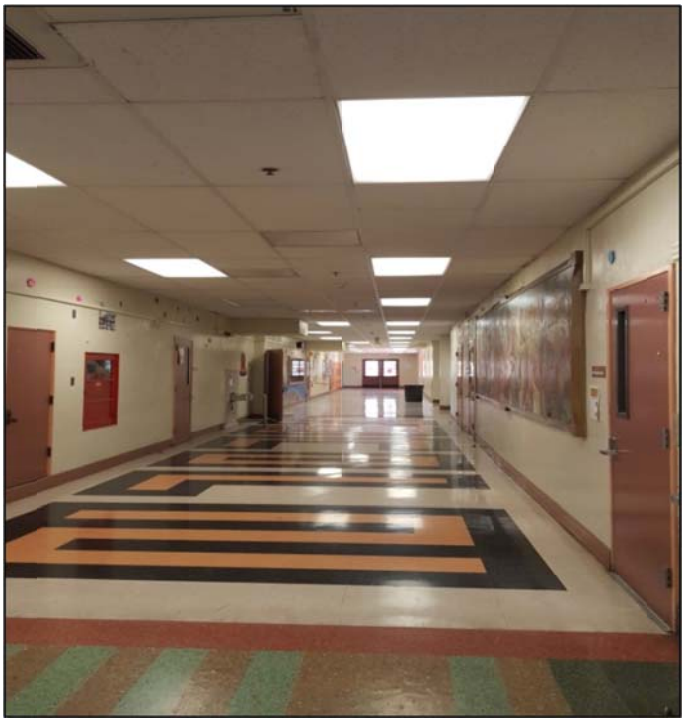
Prepared by: Facilities Technology Services
Source: CAFM Database

APPENDIX H

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Administrative Building – Main Entrance – Looking North



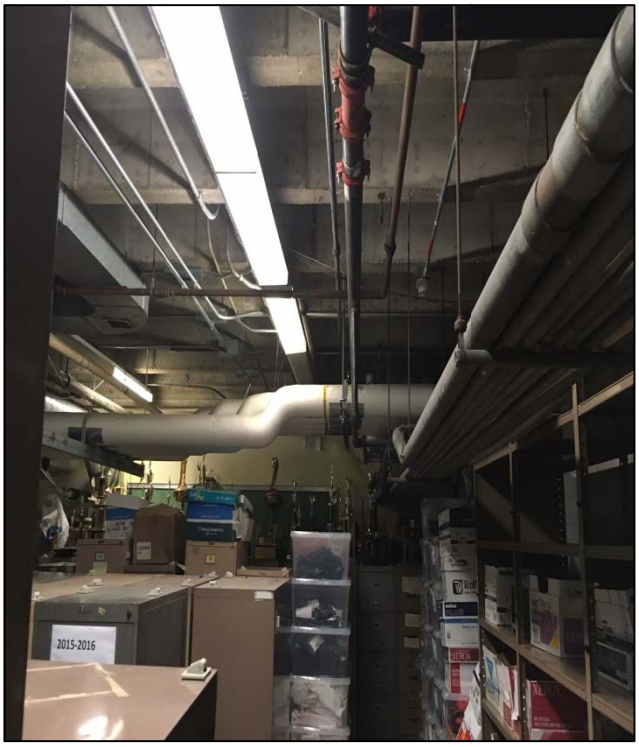
Administrative Building – West Hallway

Administrative Building – Vent & Tile Ceiling

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Administrative Building – Basement
Concrete Staining

Administrative Building – Basement
Entrance to Crawl Space



Admin. Building – Basement – Storage Room

Administrative Building – Basement – Server Room

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Administrative Building – Basement – Crawl Space Area

Administrative Building – Chemistry Classroom – Gas Outlet and Sink

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Music Building – Looking West

Storage Unit Behind Music Building on the West Perimeter Building on the West Perimeter

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Garden between the Storage Unit and Music Building

Stormwater Drain adjacent to Music Building

ALISTO ENGINEERING GROUP, INC.

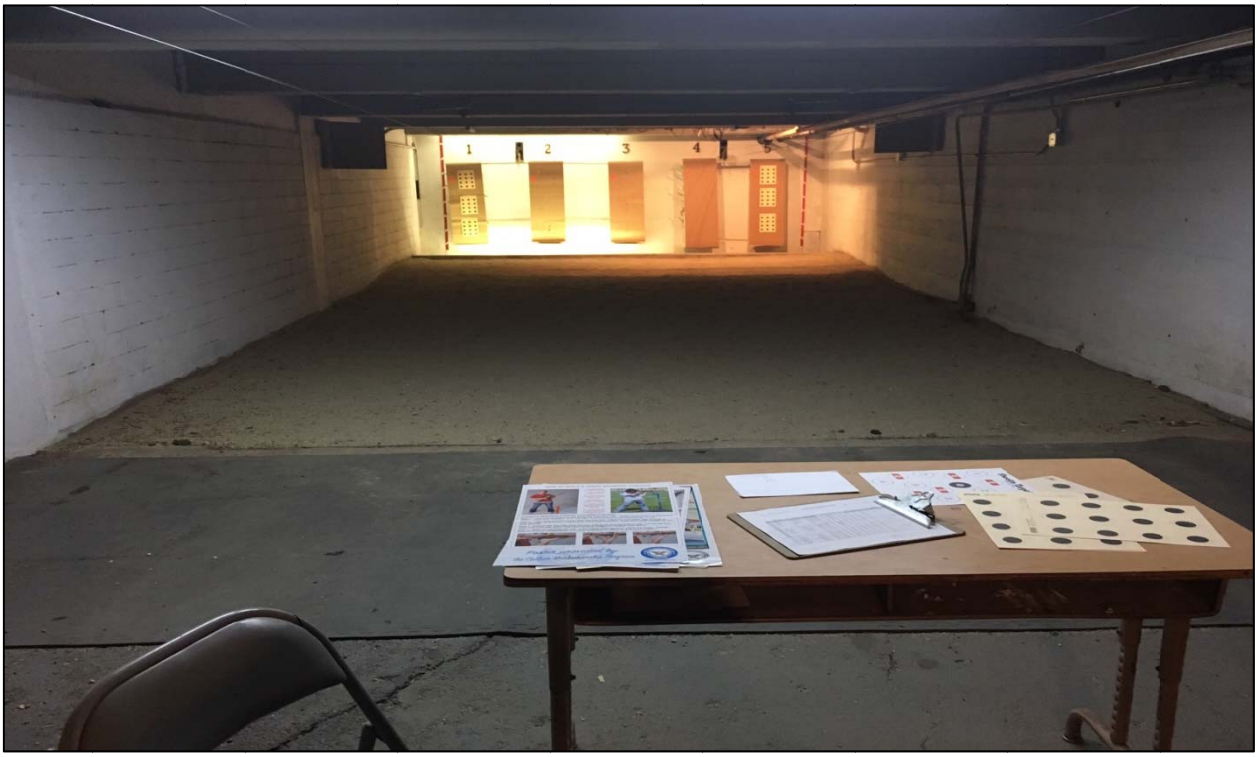
PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Auditorium Building - Looking to the West

Auditorium Building – South Perimeter

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS



Firing Range – Auditorium – Basement Level

Firing Range 2 – Auditorium – Basement Level

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Surface Water Staining between Auditorium Building and Music Building

Home Economics – Looking East

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Home Economics Building – South Perimeter

Lunch Shelter Area – Adjacent to Home Economics Building – Looking East

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Lunch Shelter – Adjacent to Home Economics Building – Looking South

Lunch Shelter – Concrete Staining

Home Economics Building – Copper Drain

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Home Economics Building – Vault

Generator Compound – East Perimeter – Adjacent to Home Economics Building

East Perimeter of Main Parcel / Physical Education Building Across Lincoln Park Ave.

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Shop Building – Looking Northeast

Shop Building – East Perimeter – Looking West

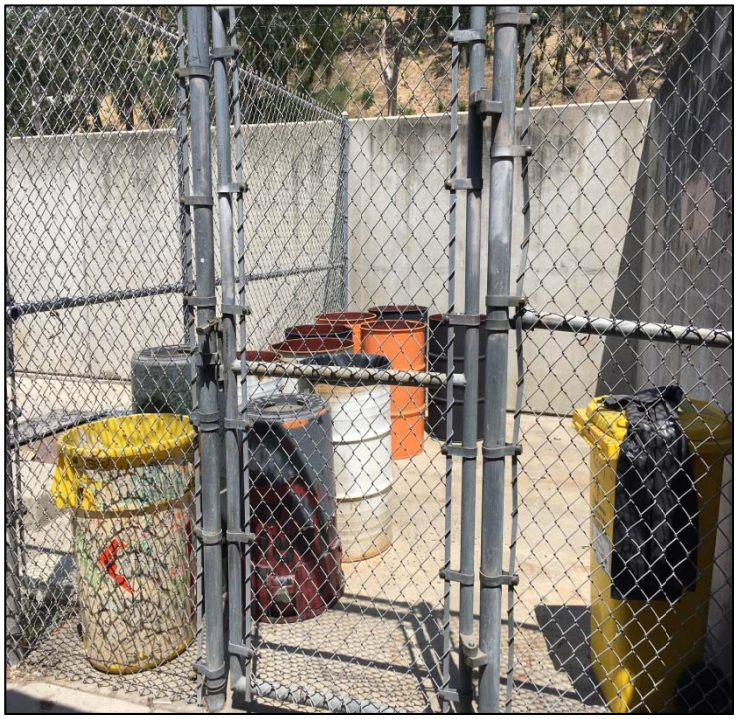
PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Federal Building and Parking Lot – Looking North – Adjacent to Shop Building

Storage Units – Adjacent to Administrative Building and Parking Lot

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Risers – Adjacent to Shop Building – East Perimeter



Drum Storage – Easter Perimeter – Adjacent to Shop Building

Electrical Unit Compound – Adjacent to Shop Building – East Perimeter

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

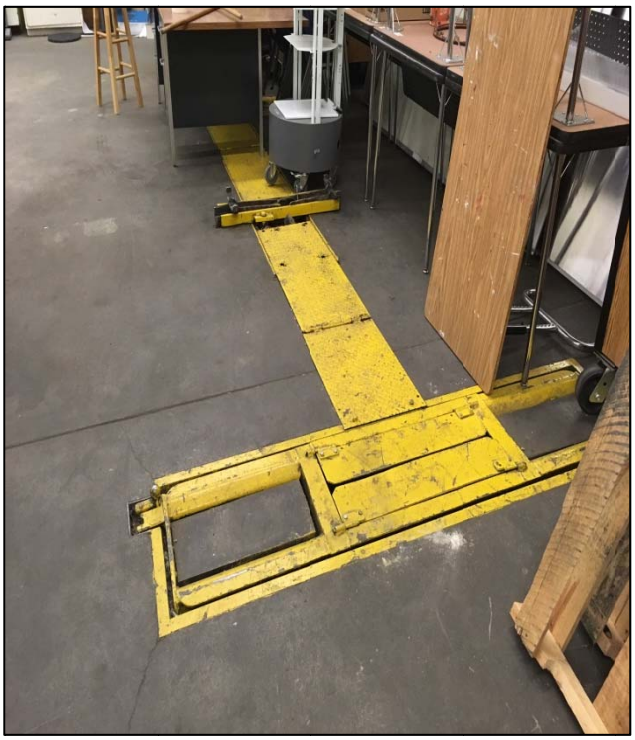
Electrical Units – Adjacent to Shop Building – East Perimeter

Hydraulic Fluid Storage Tank – Adjacent to Shop Building

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Concrete Staining – Garage – Shop Building



Hydraulic Lift – Garage – Shop Building

Hydraulic Lift 2 – Garage – Shop Building

Car Engine / Pressure Washer – Garage – Shop

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Building

Administrative Building – West Hallway

Pest and Weed Abatement Products – Garage – Shop Building

Flammable Liquid Storage – Garage – Shop Building

Back Area – Garage - Shop Building

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Stain Flooring 2 – Garage –Shop Building

Motor Unit – Along outside East Wall of Shop Building

Pueblo De Los Angeles High School Portables – North Parcel – Looking North

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Flammable Storage Sheds – North Portables – North Parcel

55 Gallon Gasoline and Diesel Drums – Flammable Storage Sheds – North Portables

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Paint Storage – Flammabe Storage Sheds – North Portables

Pedestrian Bridge over Lincoln Park Ave. – East Parcel – Looking Southeast

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Gymnasium Southwest Corner – Physical Education Building – East Parcel

Gymnasium North Wall – Physical Education Building – East Parcel

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Gymnasium East Wall – Physical Education Building – East Parcel

Gymnasium Tile – Physical Education Building – East Parcel

Lock Room with Asbestos Warning – Physical Education Building – East Parcel

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Landscape between Physical Education Building and Track and Field – East Parcel

Looking Eastbound on N. Broadway – South Entrance

ALISTO ENGINEERING GROUP, INC.

PHOTOGRAPHS OF PROPERTY AND SURROUNDING AREAS

Commercial Property – Adjacent to Subject Property to the South – Looking Southwest

Commercial Property – Adjacent to Subject Property to the South – Looking Southeast

APPENDIX I

ENVIRONMENTAL CHECKLIST

Environmental School Checklist

ABRAHAM LINCOLN HIGH SCHOOL

Selection Criteria	Yes	No	Comments
High Voltage Power Transmission Lines [CCR, Title 5, 14010; CDE Selection and Approval Guide, 2000]			
Is the property within 100 feet from the edge of an easement for a 50-133 kv line?	X		Borders the eastern perimeter of the subject property. According to SCE DERiM, it is a 66 kv subtransmission line.
Is the property within 150 feet from the edge of an easement for a 220-230 kv line?		X	
Is the property within 350 feet from the edge of an easement for a 500-550 kv line?		X	
Railroads [CCR, Title 5, 14010; CDE Selection and Approval Guide, 2000]			
Is the site within 1,500 feet of a railroad track easement? (If yes, is the track a main line or spur?)		X	
Hazardous Disposal Sites [Edu. Code 17213(a)(1)-(3); Health & Safety Code 25220; CDE Selection and Approval Guide 2000]			
Is the site a current or former hazardous or solid waste disposal site? (If yes, have all wastes been removed?)	X		The subject property is registered as a RCRA SQG and LQG. The LQG is the Pueblo High School.
Does the site contain one or more aboveground or underground pipeline which carry hazardous substances, materials or waste? (natural gas supply to school or neighborhood excluded)		X	
Is the site located near or downwind from a stockyard, fertilizer plant, soil processing operation, auto dismantling facility, sewage treatment plant, or potentially hazardous facilities?		X	
Has the site been designated a border zone property by DTSC, or is the site within 2,000 feet of a significant disposal of hazardous waste?		X	
Hazardous Substance Pipelines [Edu. Code 17213(a)(3)]			
Are there any pipelines located above or underground on the site that are used for hazardous substances, fuel, or natural gas? (natural gas supply to school or neighborhood excluded)		X	Nearest natural gas pipeline is 2500' to the east. It is a Socal Gas line with operating pressure of 200 psi.
Airports [Edu. Code 17215(a)-(e); CCR, Title 5, 14011(k)]			
Is the site located within two miles of an operating airport?		X	
High-Pressure Water Pipelines, Reservoirs, Water or Fuel Storage Tanks [CDE Selection and Approval Guide, 2000]			
Is the site located within 1,500 feet of the easement of an aboveground or underground water pipeline, reservoir, water or fuel storage tank?		X	
Major Roadways [CCR, Title 5, 14010(e); CDE Selection and Approval Guide, 2000]			
Is the potential site located near a major arterial highway, freeway or other major roadway? (If yes, how far?)	X		I-5 is approximately 4150' to the east and I-110 is 5000' to the northwest.
Geological Special Studies Zone [Edu. Code 17212, 17212.5; Gov. Code 65302; CCR, Title 5, 14010; CDE Selection and Approval Guide, 2000]			
Is the proposed site located within an Alquist-Priolo or other special studies zone?		X	
Flood and Inundation Edu. Code 17212, 17212.5; CCR, Title 5, 14010]			
Is the proposed school site located within an area of flood or dam flood inundation?		X	
Border Zone Property [CCR, Title 5, 14010(t)]			
Is the proposed school site located within 2,000 feet of a significant disposal of hazardous waste site?		X	

Environmental School Checklist

Liquefaction and Landslides [CCR, Title 5, 14010(i)]			
Will the project create or exacerbate safety risks to students from liquefaction or landslides?	X		The site is within a liquefaction zone and adjacent to a landslide zone.
Easements [CCR, Title 5, 14010(r)]			
Will the project create or exacerbate impacts to students from easements on or adjacent to the site which may restrict access or building placement		X	
Cellular Phone Towers [LAUSD Board Resolution]			
Will the project create or exacerbate health risks to students from a cellular phone tower on or adjacent to the site?		X	
Methane Zone			
Will the project create or exacerbate health and safety risks to students from a known methane zone or oil field?		X	
Oil Wells			
Will the project create or exacerbate health and safety risks to students from an onsite oil well?		X	
Air Pollution [LAUSD Board Resolution]			
Will the project create or exacerbate health risks to students from a major transportation corridor (freeway, major rail line) within 500 feet?		X	
Will the project create or exacerbate health risks to students from a major stationary source of emissions within 500 feet?		X	

APPENDIX H

Preliminary Environmental Assessment-Equivalent

PRELIMINARY ENVIRONMENTAL ASSESSMENT - EQUIVALENT REPORT

Abraham Lincoln High School
3501 North Broadway
Los Angeles, California

Prepared for:

Los Angeles Unified School District
Office of Environmental Health and Safety
333 S. Beaudry Avenue
Los Angeles, California 90017

Prepared by:

ALISTO ENGINEERING GROUP

2737 NORTH MAIN STREET, SUITE 200
WALNUT CREEK, CALIFORNIA 94597

Alisto Project No. 12-0020-007

December 18, 2019

Hamidou Barry, P.G.
Project Geologist

Al Sevilla, P.E.
Principal

EXECUTIVE SUMMARY

PRELIMINARY ENVIRONMENTAL ASSESSMENT – EQUIVALENT REPORT

Abraham Lincoln High School
3501 North Broadway, Los Angeles, California
Los Angeles United School District
Los Angeles County, California

December 18, 2019

In April 2019, the Los Angeles United School District (LAUSD) retained Alisto Engineering Group (Alisto) to conduct a Preliminary Environmental Assessment-Equivalent (PEA-E) investigation and reporting event at Abraham Lincoln High School located at 3501 North Broadway, Los Angeles, California 90031 (Site). The Site is part of a comprehensive modernization effort being implemented by LAUSD that includes, building modernization including seismic retrofits, structure demolition, and new building construction activities. The PEA-E, which is consistent with applicable regulations, requirements and guidance of the Department of Toxic Substances Control (DTSC), is intended to identify potential environmental issues and concerns that may need to be mitigated prior to, or during the comprehensive modernization of the Site.

The PEA-E was conducted in accordance with the LAUSD PEA-E scope of services dated February 26, 2019 (LAUSD, 2019), Alisto's Draft Scope of Work for Subsurface Investigation and Preliminary Environmental Assessment- Equivalent dated September 2017 (Alisto, 2017b), and Sampling and Analysis Plan (SAP) dated May 2019 (Alisto, 2019). The PEA field sampling activities were conducted in June and August 2019. This report documents the field procedures, laboratory analyses, site-specific screening levels (SSLs), conclusions and recommendation of the PEA-E.

The PEA-E consisted of an initial sampling with the completion of sixty (60) soil borings (identified as B6 through B65) to a maximum depth of 3 feet below ground surface (bgs) using hand augering method, and eleven (11) soil borings (identified as B1 through B5 and B66 through B71) to a maximum depth of 16 feet bgs using direct-push method. Soil samples were collected from the shallow borings at depth intervals of 0.5-, 1.5-, and 3-feet, and at depths of 1-, 5-, 10-, and 15-feet bgs from the deeper borings.

Based on the analytical results for the initial sampling event, step-out sampling (additional sampling) was conducted at twenty (20) locations to define the lateral and vertical extents of elevated concentrations of chemicals of potential concern (COPCs) detected in soil samples. These selected samples were analyzed for metals (including arsenic and lead), total petroleum hydrocarbons (TPHs), volatile organic compounds (VOCs), organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs) and/or asbestos

based on the locations and as specified in the SAP. The laboratory analytical results of the soil samples were compared to the SSLs.

SUMMARY OF FINDINGS AND CONCLUSIONS

The findings and conclusions of the PEA-E performed at the Site are as follows:

- The subsurface soils encountered in the Site borings consisted mainly of silt, silty sand with fine to very fine sand, silty clay and sandy clay. Groundwater was not encountered in any of the soil borings.

- The initial and step-out soil samplings adequately defined the lateral extent of the COPC-impacted soils at all investigation boring locations.

- Fifteen (15) of the one hundred-eleven (111) soil samples analyzed for arsenic have concentrations above the DTSC-adopted background screening level of 12 milligrams per kilogram (mg/kg). The highest arsenic concentrations are limited to the shallow samples (0.5 feet bgs) in the vicinities of the Music Building (B28 and B29), southwest of the Auditorium Building (B32), south of the Home Economics Building (B40) and northwest of the running track and football field. The vertical extent of arsenic-impacted soils at these boring locations will be addressed in the Removal Action Workplan (RAW) to be prepared prior to LAUSD construction activities.

- Twenty-five (25) soil samples analyzed for lead have concentrations above the DTSC-modified screening level of 80 mg/kg. The highest lead concentrations are limited to the shallow samples (0.5 feet bgs) north of the proposed parking lot site (B10), the Music Building (B23 and B24), Administrative Building (B27), southwest of the Auditorium Building (B32), south and southeast of the Home Economics Building (B40 and B41), a boring within the former Auto Shop (B71), East portable classroom buildings, south of the Physical Education Building and tennis courts (B64). The elevated lead concentrations detected were in the soil samples within the tennis courts under concrete pavement and would only present a concern during structure demolition and renovation. The vertical definition of lead-impacted soils at the listed boring locations will be addressed in the RAW.

- The remaining CAM 17 Metals were not detected at concentrations above their respective U.S. Environmental Protection Agency (EPA) Region IX Regional Screening Levels (RSLs) for residential land use.

- Gasoline-range organics (GRO), diesel-range organics (DRO) and oil-range organics (ORO) were not detected at concentrations above the maximum soil screening levels (MSSLs) established by the Los Angeles Regional Water Quality Control Board (LARWQCB) for soil where groundwater is present at depths of 20 to 150 feet bgs.

- None of the VOCs detected were reported above the EPA Regional Screening Level (RSL).

- The lateral and vertical extents of OCP-impacted soils have been defined. One (1) sample had a chlordane concentration detection equal to the DTSC-SL of 1,700 mg/kg. This shallow impacted soil will be addressed in the RAW.

- PCBs were detected in one shallow sample at low concentrations below the soil screening value of 300 micrograms per kilogram (µg/kg) for PCBs at proposed school sites and is not considered a risk to human health or the environment.

- Detected PAHs concentrations were below EPA Region IX RSLs for residential land use and DTSC-SLs and is not considered to pose a risk to human health or the environment.

- Asbestos was not detected qualitatively in any of the shallow soil samples that were analyzed and is therefore not considered a risk to human health or the environment.

RECOMMENDATIONS

Based on the results and findings of this PEA-E, Alisto recommends the following.

- Prepare a Human Health Screening Evaluation (HHSE) in accordance with Preliminary Endangerment Assessment Guidance Manual. The HHSE will focus on arsenic and lead impacted soils within the areas planned for building modernization and structure demolition.

- Prepare a Removal Action Workplan (RAW) to address the OCP (chlordane) impacted soil, the vertical extent of the arsenic and lead impacted soils, and the excavation, transportation, and off-site disposal of the excavated soil. The RAW will also address confirmation sampling during soil excavation, and worker health and safety including dust suppression and air monitoring, as required.

- While asbestos was not detected in any of the soil samples analyzed, conduct a pre-construction or pre-demolition asbestos and lead based paint survey of the buildings and structures planned for demolition or renovation. Per South Coast Air Quality Management District (SCAQMD) Rule 1403, any building that will undergo demolition or renovation, which is defined as altering of a facility or the removing or stripping of one or more facility (structure) components in any way, requires an asbestos survey. The asbestos samples should be analyzed using SCAQMD Method 300-91 to comply this this rule.

- Although a Supplemental Site Investigation (SSI) is not warranted, additional soil sampling and laboratory analysis should be conducted during soil excavation as part of the RAW.

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C Soil Boring Logs
D Photographs
E Laboratory Analytical Reports and Chain of Custody Records
F Waste Documentation

LIST OF ABBREVIATIONS/ACRONYMS

AST	Aboveground Storage Tank
APN	Assessor's Parcel Number
bgs	below ground surface
Cal/EPA	California Environmental Protection Agency
COPC	Chemicals of Potential Concern
CARB	California Air Resources Board
DRO	Diesel Range Organics
District	Los Angeles Unified School District
DTSC	Department of Toxic Substances Control
DTSC-SL	DTSC Modified Screening Level
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GPS	Global Positioning System
GRO	Gasoline Range Organics
HASP	Health and Safety Plan
HHRA	Human Health Risk Assessment
LAUSD	Los Angeles Unified School District
LARWQCB	Los Angeles Regional Water Quality Control Board
LUFT	Leaking Underground Fuel Tank
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
µg/kg	Micrograms per kilogram
msl	Mean Sea Level
MtBE	Methyl tert-butyl ether
OCPs	Organochlorine Pesticides
OEHS	Office of Environmental Health and Safety
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PAHs	Polyaromatic hydrocarbons
PEA-E	Preliminary Environmental Assessment - Equivalent
QA/QC	Quality Assurance/Quality Control
RAW	Removal Action Workplan
REC	Recognized Environmental Conditions
SCAQMD	South Coast Air Quality Management District
School Property	Abraham Lincoln High School
Site	Abraham Lincoln High School
SSL	Site-Specific Screening levels
SWRCB	State Water Resources Control Board
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
USA	Underground Services Alert
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

As authorized by the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), Alisto Engineering Group, Inc. (Alisto) conducted a Preliminary Environmental Assessment-Equivalent (PEA-E) investigation at Abraham Lincoln High School located at 3501 North Broadway, Los Angeles, California 90031 (Site) as shown on Figures 1 and 2. The Site is part of a comprehensive modernization construction effort being implemented by LAUSD that includes, building modernization, seismic retrofitting, structure demolition and various designs. The PEA-E was intended to identify potential environmental concerns and issues that may need to be mitigated prior to or during the comprehensive modernization process.

The PEA-E was conducted in accordance with the LAUSD PEA-E scope of services dated February 26, 2019 (LAUSD 2019), Alisto's Draft Scope of Work for Subsurface Investigation and Preliminary Environmental Assessment- Equivalent dated September 2017 (Alisto, 2017b), and Sampling and Analysis Plan (SAP) dated May 2019 (Alisto, 2019). The PEA-E was conducted in accordance with applicable regulations, requirements and guidance of the Department of Toxic Substances Control (DTSC). This report documents the field procedures, laboratory analyses, site-specific screening levels and conclusions of the PEA-E.

1.1 Scope of Work

As authorized by LAUSD, the scope of work of this PEA-E included the following tasks:

- Prepare a Site-Specific Health and Safety Plan (HASP) for LAUSD approval.
- Prepare and distribute PEA-E Work Notices (Notice).
- Mark boring locations, notify Underground Services Alert of Southern California (USA), and complete a third-party utility clearance (geophysical survey) of each proposed boring location.
- Coring of asphalt or concrete ground surface cover at the boring locations (as needed).
- Drill shallow borings to 3 feet below ground surface (bgs) using stainless steel hand augers, and deeper borings to 15 feet bgs using direct-push method. Collect soil samples for laboratory analysis of chemicals of potential concern (COPCs).
- Backfill the deeper boreholes in accordance with the soil boring permit requirements, backfill the shallow boreholes with soil cuttings (as directed by LAUSD), and repair all cored surfaces with color-matched concrete.
- Coordinate with environmental laboratories for sample delivery and analysis of COPCs on standard turnaround times (TAT). Coordinate chain-of-custody documentation and data quality review and acceptance.
- Manage investigation derived waste, waste characterization, and waste disposal.
- Prepare a PEA-E report presenting the results and findings of the soil sampling and analysis and investigation and recommendations.

As specified by the LAUSD, the items beyond the scope of services include:

- Preparation of a Human Health Screening Evaluation (HHSE) in accordance with Preliminary Endangerment Assessment Guidance Manual (Contract Document No. 6).
- Preparation/implementation of a Supplemental Site Investigation (SSI) Workplan.
- Preparation of a Removal Action Workplan (RAW).

2.0 SITE DESCRIPTION

Pertinent information on the project or school Site are presented in the following sections and the site location is shown on Figure 1.

2.1 Site Identification Information

Abraham Lincoln High School is located in the within the central portion of Los Angeles County, California in the Lincoln Heights neighborhood of the City of Los Angeles. The school, approximately 18.6 acres in size, occupies three parcels Assessor's Parcel Numbers (APNs) 5208-026-903, 5208-026-904, and 5209-010-9000, and is bounded to the south by North Broadway Avenue, to the west by Alta Avenue, and to the north and east by residential properties. Lincoln Park Avenue separates the campus into the core campus to the west and the athletic facilities to the east. The core campus consists of the Administration Building with classrooms, Home Economics Building, Shop Building, Federal Buildings, Music Building, Auditorium, cafeteria/lunch shelter and different portables including the north portables associated with Pueblo De Los Angeles Continuation campus. The athletic facilities encompass the Physical Education Building, tennis courts, athletic fields, and associated portable classroom buildings. The immediate neighborhood is residential and mixed-use commercial properties.

The Site is located at the base of a hill at an elevation of approximately 405 feet above mean sea level (msl). The general surface topography of the area is hilly with the property generally sloping from East to West. Adjacent to the Site to the Northeast is the base of Rose Hill which reaches an elevation of approximately 700 feet above msl.

Site Name and Address: Abraham Lincoln High School
3501 North Broadway
Los Angeles, California 9003

Site Owner: Los Angeles Unified School District

Contact Person: Mr. Lawrence Browne, Site Assessment Project Manager, is the designated manager for this project. General inquiries regarding the environmental investigation or other related activities for the project should be directed to Mr. Browne at:

Los Angeles Unified School District
Office of Environmental Health and Safety
333 S. Beaudry Avenue, 21st Floor
Los Angeles, CA 90017

Office Telephone: (213) 241-4263
Email: **lawrence.browne@lausd.net**

2.2 Site Geology and Hydrogeology

The geologic lithology in the Site vicinity consists of pre-Cenozoic metasedimentary and metavolcanic rocks of great variety – mostly slate, quartzite, hornfels, chert, phyllite, mylonite, schist, gneiss, and minor marble (Alisto, 2017a). The U.S. Department of Agriculture Soil Conservation Service soil reports identifies the typical profile around the Site as fine to sandy clay loam with 0 to 5 percent slopes (Alisto, 2017a).

The Site is located over a mile east of the Los Angeles River. There are several bodies of water within a mile of the Site including the Arroyo Seco River to the Northwest, Lincoln Park Lake to the South, and Ascot Reservoir to the East. The depth to groundwater beneath the Site is unknown; however, the groundwater level at nearby active remediation sites range from 45 to 70 feet bgs (Alisto, 2017a). Based on the information of the monitoring wells located at the remediation sites, the groundwater in the area flows southwest (toward the Los Angeles River).

3.0 BACKGROUND

A Phase I Environmental Site Assessment (ESA) was completed by Alisto for the Site in September 2017 to identify recognized environmental conditions (RECs). The results and findings of the Phase I ESA indicated the potential for surface or subsurface contamination from hazardous materials may be present at the Site that warrants additional environmental assessment and investigation f RECs (Alisto, 2017a). Onsite and offsite RECs were identified during Phase I ESA.

3.1 Onsite Recognized Environmental Conditions

- Shop Building – During site reconnaissance, hydrocarbon staining was observed as well as hydraulic lifts and a hydraulic fluid tank adjacent to the shop building. Additionally, the Environmental data Resources, Inc. (EDR) report, Sanborn maps, and aerial photos indicated that a gasoline station was formerly present within this location. Records on the existence and/ or removal of underground storage tank (UST) or aboveground storage tank (AST) were not found.
- Flammable Storage Sheds – The northern portable storage classroom building units contained 55-gallon drums of gasoline and diesel. The sheds are constructed with concrete floors where staining was observed.
- Firing Range – The dirt flooring in the firing range located in the basement of the Auditorium maybe an environmental concern for lead, as well as exposed surfaces in the range. It was reported that live ammunition was last used in the firing range in the 1940s.
- Oil-Water separator – An abandoned oil-water separator was observed outside the former auto shop classroom. It was indicated that oil-water separator has not been used for nine (9) years. No documentation as to its closure was provided by LAUSD OEHS.

- Asbestos and Lead-based Paint – Based on the age of construction at the school property and visual reconnaissance, asbestos containing materials (ACM) and lead-based paint (LBP) are likely present in the existing structures at the Site. Additionally, during site reconnaissance, Alisto observed a warning sign indicating that asbestos is present in the building materials in the boy's locker room of the gymnasium. In the absence of survey reports and/or abatement documents, both ACM and LBP are RECs to be addressed before implementation of the planned redevelopment.
- Boiler Room – Alisto was not able to gain access to the Home Economics building and inspect the boiler room. Based on this data gap, the boiler room maybe a REC for ACM and LBP.
- Pesticides – Historically, the school has used pesticides for weed abatement and prevention along the asphalt/concrete pathways before being banned in the 1970s.

3.2 Offsite Recognized Environmental Conditions

- Adjacent to the west of the school property, across Thomas Street, was the site of a historic gasoline and oil automobile service station. No environmental remediation cases were identified in the regulatory databases researched.
- To the south of the school property, across North Broadway, there are two properties that used to be a historic gasoline station and dry cleaner. No environmental remediation cases were identified in the regulatory databases researched.
- To the southwest of the school property, approximately a quarter mile to a half mile to the west on North Broadway in a down gradient direction, is an active gasoline station with an open remediation case.

It was determined that the offsite RECs are not likely to pose a potential environmental impact or threat to the school property (Alisto, 2017a) and therefore no further investigation was warranted.

4.0 ENVIRONMENTAL SETTING

Most of the information provided in this section are described in more detail in the Phase I ESA report prepared in 2017 (Alisto, 2017a).

Groundwater Well Survey

There are no groundwater monitoring wells or water supply wells within the school property and no water supply wells within one (1) mile search radius. Seven (7) oil and gas wells and several monitoring wells pertaining to open leaking underground storage tank (LUST) sites are located within 1-mile of the school property.

Hazardous Disposal Sites and Border Zone Property

There are no facilities within ½ mile of the property that have been classified as hazardous waste disposal sites. Additionally, the Site is classified as a hazardous waste/border zone property.

Geological Special Studies Zone

According to the Alquist-Priolo Fault Zone and Seismic Hazard Zone Map, the property is located within a liquefaction zone and adjacent to a landslide zone. To the northeast of the Site is a hill that gradually increases in elevation by 700 feet with potential for landslide caused by a seismic event or from intensive rainfall. The Site is not located within Alquist-Priolo Special Studies Zone.

Flood and Inundation

The school property is not located in either a 100-year or a 500-year flood hazard zone.

5.0 SITE SPECIFIC SCREENING LEVELS

Based on the Phase I ESA, Site's historical use and facility operations, the following were determined to be the COPC at the Site:

- metals (including arsenic and lead)
- Total petroleum hydrocarbons (TPHs) including Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Oil Range Organics (ORO)
- Volatile Organic Compounds (VOCs)
- Organochlorine Pesticides (OCPs)
- Polychlorinated Biphenyls (PCBs)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Asbestos

The following screening levels (SLs) were selected for comparison with the analytical results of the soil samples collected at this Site:

- **Arsenic**: 12 milligrams per kilogram (mg/kg); DTSC's upper bound estimate (95th percentile) for background concentrations in Southern California.
- **Lead:** 80 mg/kg; DTSC-screening level (DTSC-SL) for residential land use published in the DTSC's Office of Human and Ecological Risk Office (HERO) Note 3 (April 2019).
- **Title 22 Metals** (except Arsenic and Lead): United States Environmental Protection Agency (EPA) Region IX regional screening levels (RSLs) for residential land use.
- **PAHs, and VOCs**: EPA Region IX RSLs for residential land use and DTSC-SLs, where applicable.
- **OCPs:** DTSC-screening level (DTSC-SL) for residential land use published in the DTSC's Office of Human and Ecological Risk Office (HERO) Note 3 (April 2019).
    - ✓ 4,4'-DDD – 2,300 micrograms per kilogram (µg/kg)
    - ✓ 4,4'-DDE – 2,000 µg/kg
    - ✓ 4,4'-DDT – 1,900 µg/kg
    - ✓ Chlordane (all forms) – 1,700 µg/kg

- ✓ **PCBs:** 300 µg/kg. The soil screening value for PCBs for proposed school sites is 300 µg/kg (DTSC, 2006).

- **TPHs:** Maximum soil screening levels (MSSLs) established by the LARWQCB for soil where groundwater is present at depths of 20 to 150 feet bgs (LARWQCB, 2004).
  - ✓ GRO (C4-C12) – 500 mg/kg
  - ✓ DRO (C13-C22) – 1,000 mg/kg
  - ✓ ORO (C23-C32) – 10,000 mg/kg

6.0 PUBLIC PARTICIPATION

A public participation and notification plan were prepared and implemented as part of the PEA-E for this site.

6.1 PEA-E Work Notice

A PEA-E Work Notice (Notice) was prepared and distributed as directed by the LAUSD. The Notice (two-sided printed with English on one side and Spanish on the other) provided the public/members of the community with a summary of the PEA-E investigation, schedule of the field work, where the results of would be submitted and available for review, and the contact information for any questions or additional information. The Notice is included in Appendix A and was distributed as follow:

- 150 Notices - Delivered to faculty in-boxes, with some left for School's administrative counter.
- Approximately 100 Notices - Hand delivered to line-of-site properties.
- 2,500 Notices - Mailed to parents of students from a confidential mailing list provided by OEHS.

6.2 Public Comment Period

The draft version of this PEA-Equivalent Report will be available for 30-day public review and comment at the following locations:

- **Abraham Lincoln High School:** 3501 North Broadway, Los Angeles, California 90031
- **LAUSD OEHS:** 333 South Beaudry Avenue, Los Angeles, CA 90017
- **LAUSD Website**

7.0 SAMPLING ACTIVITIES AND RESULTS

The PEA-E field sampling activities consisted of initial sampling and step-out sampling. The initial sampling event was completed at seventy-one (71) soil boring locations using hand auger and direct-push drilling techniques. Based on the results of the initial sampling, a step-out sampling event was conducted at twenty (20) boring locations. All soil boring locations are shown on Figure 2.

7.1 Pre-Field Activities

The following activities were conducted prior to the fieldwork:

- Soil boring Permit #SR179814 was obtained from the Environmental Health Division of the County of Los Angeles Department of Public Health for soil borings proposed to be advanced to 15 feet bgs (appendix A).
- The Notice distributed as directed by LAUSD (Appendix B).
- Boring locations were marked. USA was notified of the intent to conduct intrusive work at least 48 hours before fieldwork.
- Potential underground conflicts were identified by a third-party utility locating company.
- Site-specific HASP was prepared as required by Occupational Safety and Health Administration (OSHA). All field activities were conducted in accordance with the applicable regulations and industry standards and the Site-specific HASP.

7.2 Field Procedures

The general descriptions of the field procedures employed during the PEA-E investigation are presented below.

7.2.1 Initial Sampling

Between June 10 and June 13, 2019, soil samples were collected from sixty (60) borings (B6 through B65) from depths of 0.5 feet bgs, 1.5 feet bgs, and 3 feet bgs. Borings located on asphalt or concrete pavement were first cored before advancing using a hand auger.

On August 15, 2019, five (5) borings (B1 through B5) located in area adjacent to the auto shop building, abandoned oil-water separator and suspected UST were drilled to a maximum depth of fifteen (15) feet bgs. Additionally, six (6) borings (B66 through B71) located within the former auto shop (adjacent to the vehicle hydraulic lifts) were drilled to a total depth of sixteen (16) feet bgs. Soil samples were collected from these deeper borings at depths of 1 foot, 5 feet, and 15 feet bgs. The boring were advanced using a direct-push method under the supervision of a California-registered Professional Geologist (PG).

The soil samples collected were field-screened using a photoionization detector (PID) and recorded in a boring log. The deeper borings were logged in the field by a PG in accordance

with the Unified Soils Classification System (USCS). Groundwater was not encountered in any of the soil borings. The soil boring logs are provided in Appendix C.

All soil samples selected for laboratory analysis were labeled and immediately placed in an ice-chilled cooler. The samples were submitted for analysis to Asset Laboratories, Inc., American Scientific Laboratories, LLC, and Forensic Analytical Laboratories (for asbestos only). These laboratories are state-certified testing laboratories. Possession of samples was documented from the field to these laboratories under chain of custody procedures.

The sampling equipment was decontaminated between each sample collection and between soil borings. The hand augers were decontaminated using Simple Green® spray and wiped down with paper towels. Equipment that came in contact with soil during drilling of the 15-footer soil borings was cleaned using Alconox® solution and rinsed with two separate buckets of distilled water.

Selected photographs of boring locations, geophysical survey, coring and drilling activities are provided in Appendix D.

7.2.2 Step-Out Sampling

On August 16, 2019 additional soil sampling was conducted at twenty (20) soil boring locations, based on the analytical results of the initial soil boring event. Soil sample were collected at depths of 0.5 feet, 1.5 feet, and 3 feet bgs using a hand auger. The soil samples selected for laboratory analysis were labeled and immediately placed in an ice-chilled cooler pending transportation to t Asset Laboratories, Inc., and American Scientific Laboratories, LLC for analysis following proper chain-of-custody protocol.

7.2.3 Field Quality Assurance and Quality Control Samples

Quality assurance and quality control (QA/QC) checks were accomplished by collecting and submitting duplicate soil samples at a rate of 10 percent. As the duplicate samples were "blind", the copies of the chain-of-custody records received by the analytical laboratories did not indicate the identities of the duplicates or the locations from which they were collected. Additionally, daily equipment blanks were collected from the decontaminated reusable sampling equipment, and trip blanks were submitted as necessary. The laboratory analytical reports and chain of custody documentation for the QA/QC samples (duplicates, equipment blanks and trip blanks) are included in Appendix E.

All analytical data were evaluated with respect to the criteria established for data validation, including review of QA/QC results of duplicate and spike samples. These procedures were intended to verify that the analytical results for the samples collected from the field were sufficiently accurate, precise and representative of Site conditions.

7.2.4 Boring Backfill and Site Restoration

After completion of the sampling activities, the shallow soil borings were backfilled with soil cuttings and the deeper soil borings were grouted in accordance with the Boring Permit

requirements. The cored surfaces were repaired to current grade with a minimum of a three-inch thickness of color-matched concrete.

7.2.5 Sampling Location Survey

A Global Positioning System (GPS) instrument was used to acquire the X- and Y-coordinates of each soil boring location to sub-meter accuracy. The survey coordinates are listed in Table 5.

7.3 Laboratory Analyses

The samples were analyzed on standard turn around (TAT) for the following COPCs using EPA recommended methods in accordance with the SAP.

- Total lead by EPA Method 6010B
- Total arsenic by EPA Method 6020
- CA Title 22 Metals (CAM 17 Metals) by EPA Method 6010B/7471A
- GRO, DRO and ORO by EPA Method 8015B (M)
- VOCs by EPA Method 8260B
- OCPs by EPA Method 8081A
- PCBs by EPA Method 8082
- PAHs by EPA Method 8270 SIM
- Asbestos by Polarized Light Microscopy (PLM). Selected soil samples were initially analyzed by PLM to verify the presence or absence of asbestos. The samples quantitatively identified as containing asbestos were to be additionally analyzed by CARB Method 435, Level A.

The near surface samples (0.5 feet bgs) collected from each soil boring were initially analyzed for designated COPCs per the SAOP. The remaining samples were placed on archive by the laboratories. Additionally, consecutive deeper soil samples were analyzed based on the analytical results of the near surface soil samples. The laboratory analytical reports and chain of custody documentation are included in Appendix E.

7.4 Analytical Results

The analytical results of the soil samples are summarized in Table 1 through 4. The laboratory analytical reports and chain-of-custody records are included in Appendix E. The following are summary of the findings:

7.4.1 Arsenic and Lead

The analytical results of arsenic and lead are presented in Tables 1 and 2 and summarized below.

- Arsenic was detected in the soil samples collected during the initial sampling event at concentrations ranging from 2.0 mg/kg (B57@0.5) to 130 mg/kg (B51@0.5). In step-out Boring B51-A, arsenic was detected at a concentration of 4.5 mg/kg (B51-A@0.5). Arsenic concentrations in the other step-out samples ranged from 3.2 mg/kg (B23-A@0.5) to 28 mg/kg (B40-A@0.5).
- Lead was detected in the soil samples collected during the initial sampling event at concentrations ranging from 5.2 mg/kg (B16@0.5) to 280 mg/kg (B46@0.5). The concentrations of lead in the soil samples collected from the step-out borings B46-A and B46-B were 170 mg/kg (B46-A@0.5) and 690 mg/kg (B46-B@0.5), respectively.

7.4.2 CA Title 22 Metals

The shallow soil samples collected from borings B1 through B5 were analyzed for CAM 17 metals, none of which were detected above their respective EPA Region IX RSLs for residential land use. The analytical results for these soil samples are presented in Table 2.

7.4.3 Total Petroleum Hydrocarbons

Thirty-four (34) soil samples were analyzed for TPHs. The laboratory analytical results are summarized in Table 4.

- GRO was not detected above the laboratory reporting limits in any of the analyzed soil samples.
- DRO was detected at concentrations ranging from 7.3 mg/kg (B16@0.5) to 170 mg/kg (B17@0.5).
- ORO was detected at concentrations ranging from 12 mg/kg (B16@0.5) to 1,750 mg/kg (B66@10).

7.4.4 Volatile Organic Compounds

Twenty-eight (28) selected soil samples were analyzed for VOCs. Benzene, ethylbenzene, xylenes and methyl tert-butyl ether (MTBE) were not detected above the laboratory reporting limits in any of the samples (Table 3). The following VOCs were reported above the laboratory reporting limits:

- Toluene was only detected in the samples from borings B1 and B71 at a concentration of 4.4 µg/kg.
- Acetone was detected in the samples from borings B66 through B71 at concentrations ranging from 62.5 µg/kg to 189 µg/kg.

7.4.5 Organochlorine Pesticides

Fifty-seven (57) soil samples were analyzed for OCPs. The following OCPs were reported above the laboratory reporting limits:

- Dichlorodiphenyldichloroethane (4,4'-DDD), Dichlorodiphenyldichloroethylene (4,4'-DDE) and Dichlorodiphenyltrichloroethane (4,4'-DDT) were detected in soil samples at concentrations ranging from 2.1 µg/kg (B37@0.5) to 27 µg/kg (B10@0.5).
- Chlordane was detected in the soil samples collected during the initial sampling event at concentrations ranging from 9.2 µg/kg (B45@0.5) to 1,700 µg/kg (B34@1.5). Chlordane was detected in step-out Boring B34-A at a concentration of 230 µg/kg (B34-A@1.5.

7.4.6 Polychlorinated Biphenyls

Soil samples collected from ~~soil~~ borings B3, B8 and B66 through B67 were analyzed for PCBs. The analytical results are presented in Table 4. Aroclor 1248 was detected in one near surface soil sample (B3@1) at a concentration of 52 µg/kg, below the soil screening value of 300 µg/kg for PCBs at school site.

7.4.7 Polycyclic Aromatic Hydrocarbons

Near surface (1-foot bgs) soil samples collected from soil borings B1 through B5 were analyzed for PAHs. PAHs were detected at concentrations ranging from 5.5 µg/kg (B2@1) to 170 µg/kg (B5@1). The laboratory analytical results are summarized in Table 4.

7.4.8 Asbestos

All near surface soil samples collected from boring locations B19 through B24, B28 through B30, and B45 through 47 were analyzed for asbestos. Asbestos was not detected qualitatively in any of the soil samples that were analyzed. The results of asbestos analyses are in the laboratory analytical reports included in Appendix E

7.5 Subsurface Conditions

The subsurface soils encountered underneath the Site consisted of silt, silty sand with fine to very fine sand, silty clay and sandy clay. Groundwater was not encountered at any of the boring locations. The soil boring logs are included in Appendix C.

7.6 Waste Management

The investigation-derived waste (IDW) generated during the soil sampling activities was containerized in a Department of Transportation (DOT) approved 55-gallon drum. The drum was properly labeled and temporarily stored at the Site. A soil sample collected from the drum was analyzed for the following chemicals to characterize and profile the waste:

- CA Title 22 Metals by EPA Method 6010B/7471A
- TPHs by EPA Method 8015M
- VOCs by EPA Method 8260B
- OCPs by EPA Method 8081A
- PCBs by EPA Method 8082
- PAHs by EPA Method 8270 SIM

The drummed IDW was removed from the Site on August 16, 2019 and properly disposed as Non-Hazardous Waste at Soil Safe facility in Adelanto, California. The laboratory analytical report and waste manifest are provided as Appendix F.

8.0 COMPARISON OF ANALYTICAL RESULTS TO SITE-SPECIFIC SCREENING LEVELS

Following is the comparison of the analytical results of the soil samples collected during this PEA-E with the SSLs previously presented.

8.1 Arsenic and Lead

Arsenic was reported in fifteen (15) soil samples at concentrations above the screening level of 12 mg/kg out of the total of one hundred-eleven (111) soil samples analyzed for arsenic. The lateral extents of arsenic-impacted soils were defined at all soil boring locations; however, the vertical extent of arsenic-impacted soils at boring locations B28, B29, B32, B40 and B51 need to be addressed in the RAW to be prepared prior to LAUSD construction activities.

Lead was detected in twenty-five (25) samples at concentrations above the screening level of 80 mg/kg out of the 111 soil samples analyzed for lead. The lateral extents of lead-impacted soils were defined at all soil boring locations; however, the vertical extent of lead-impacted soils at boring locations and vicinities of B10, B23, B24, B27, B32, B40, B41, B44, B46, B48 and B64 need to be addressed in the RAW.

8.2 CA Title 22 Metals

Eight metals were detected above the laboratory detection limits in the soil samples analyzed for metals. None of the detected metals were reported above their respective screening levels.

8.3 TPHs

GRO, DRO and ORO were not reported above the MSSLs established by the LARWQCB.

8.4 VOCs

None of the VOCs detected were reported above the screening levels.

8.5 OCPs

Chlordane was reported at the screening level of 1,700 µg/kg in the soil sample collected from soil boring B34 (B34@1.5). None of the other OCPs were reported above their respective screening levels.

8.6 PCBs

PCBs were reported in B3 (B3@1) at a concentration of 52 µg/kg. This concentration is below the DTSC soil screening value of 300 µg/kg for PCBs.

8.7 PAHs

The PAHs concentrations detected in the soil samples were below EPA Region IX RSLs for residential land use and the DTSC-SLs.

8.8 Asbestos

Asbestos was not detected qualitatively in any of the soil samples analyzed for asbestos.

9.0 CONCLUSIONS AND RECOMMENDATIONS

Following are the summary of findings and conclusions and recommendations of the PEA-E performed for the Site.

9.1 Summary of Findings and Conclusions

- The subsurface soils encountered in the Site borings consisted mainly of silt, silty sand with fine to very fine sand, silty clay and sandy clay. Groundwater was not encountered in any of the soil borings.
- The initial and step-out soil samplings adequately defined the lateral extent of the impacted in boring locations.
- Arsenic concentrations exceeding screening level were detected in the near surface samples (0.5 feet bgs) in soil borings located north of the proposed parking lot site (B10), in the location of the suspected of the UST (B4), vicinities of the Music Building (B28 and B29), southwest of the Auditorium Building (B32), south of the Home Economics Building (B40) and northwest of the track and football field.
- Lead concentrations exceeding screening level were detected in the near surface samples (0.5 feet bgs) in soil borings located borings located north of the proposed parking lot site (B10), the Music Building (B23 and B24), Administrative Building (B27), southwest of the Auditorium Building (B32), south and southeast of the Home Economics Building (B40 and B41), within the former Auto Shop (B71), East portable classroom buildings, south of the Physical Education Building and tennis courts (B64). The elevated lead concentrations detected were in the soil samples within the tennis courts under concrete pavement and would only present a concern during structure demolition and renovation. The vertical definition of lead-impacted soils at the listed boring locations will be addressed in the RAW.
- The other CAM 17 Metals were not detected above their respective EPA Region IX RSLs for residential land use.
- GRO, DRO and ORO were not reported above the MSSLs established by the LARWQCB.
- None of the VOCs detected were reported above the screening levels.
- Only one soil sample (B34@1.5) was reported with chlordane concentration of 1,700 mg/kg at the screening level of 1,700 mg/kg.

- PCBs were not detected exceeding the screening level.
- PAHs concentrations detected were below the RSLs for residential land use and DTSC-SLs and is not considered to pose a risk to human health or the environment.
- Asbestos was not detected qualitatively in any of the soil samples that were analyzed and is therefore not considered a risk to human health or the environment.

9.2 Recommendations

- Prepare a HHSE in accordance with Preliminary Endangerment Assessment Guidance Manual. The HHSE will focus on arsenic and lead impacted soils within the areas planned for building modernization and structure demolition.
- Prepare a RAW to remove the asbestos, lead, and OCPs (chlordane) impacted soil. The RAW should address the excavation, transportation, and off-site disposal of the impacted soil. In addition, the RAW should detail collection of confirmation samples after removal of the impacted soil to ensure the vertical extent of the impacted soil is attained. The RAW should also address worker health and safety including dust suppression and air monitoring, as required.

10.0 REFERENCES

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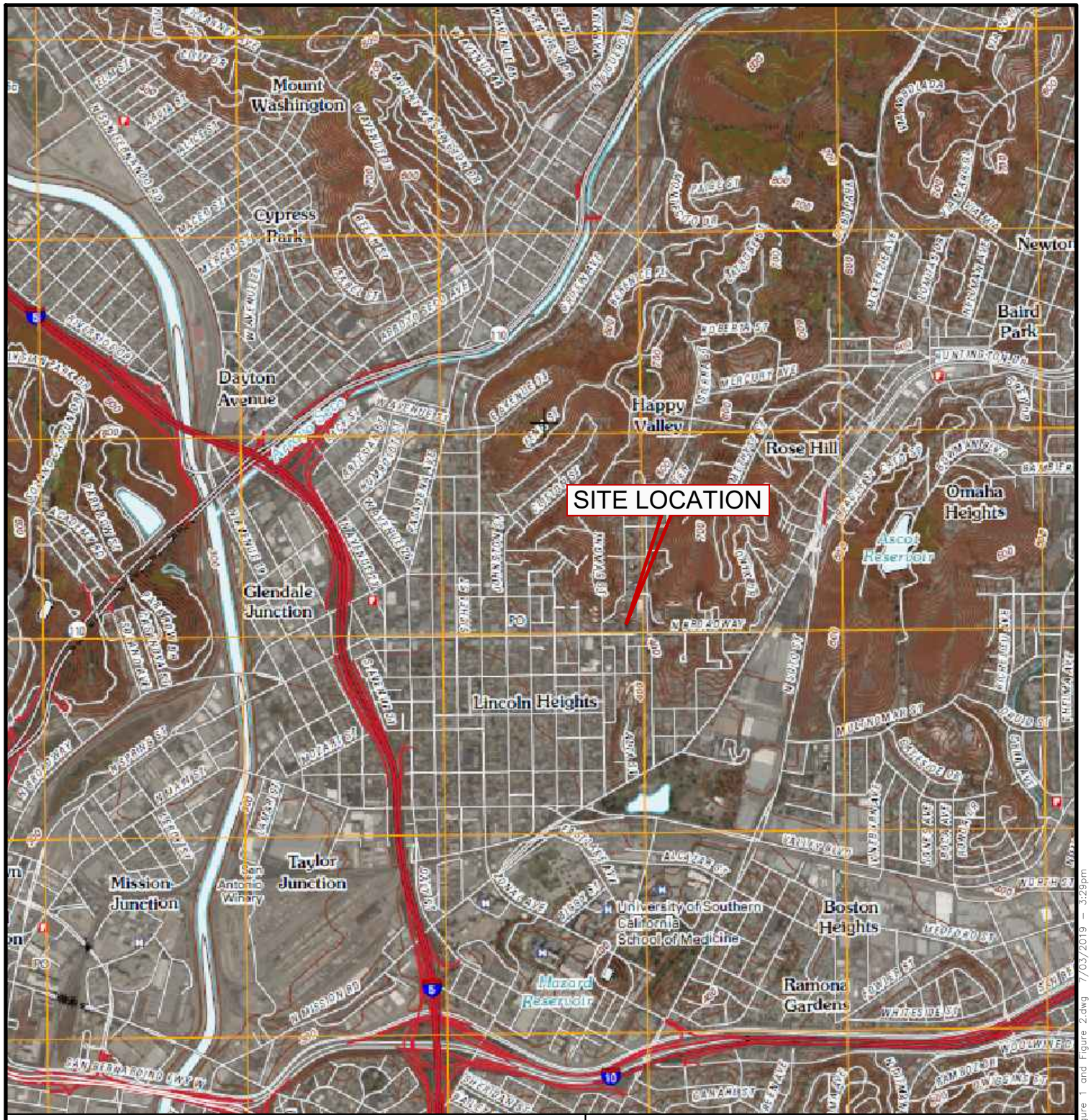
South Coast Air Quality Management District (AQMD), 2017. Rule 1466, Control of Particulate Emissions from Soil with Toxic Air Contaminants. Adopted July 7, 2017 and Amended December 1, 2017.

Screening Level for Groundwater Protection (Los Angeles RWQCB Screening Level from Interim Site Assessment & Cleanup Guidance, Table 4-1. April 27, 2004.

United States Environmental Protection Agency (USEPA), 2019. Regional Screening Level (RSL) Summary Table. April 2019.

FIGURES



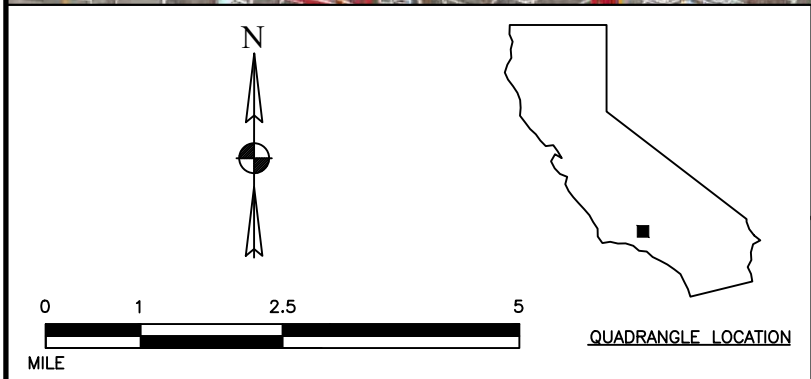


FIGURE 1 - SITE VICINITY

LOS ANGELES UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN HIGH SCHOOL

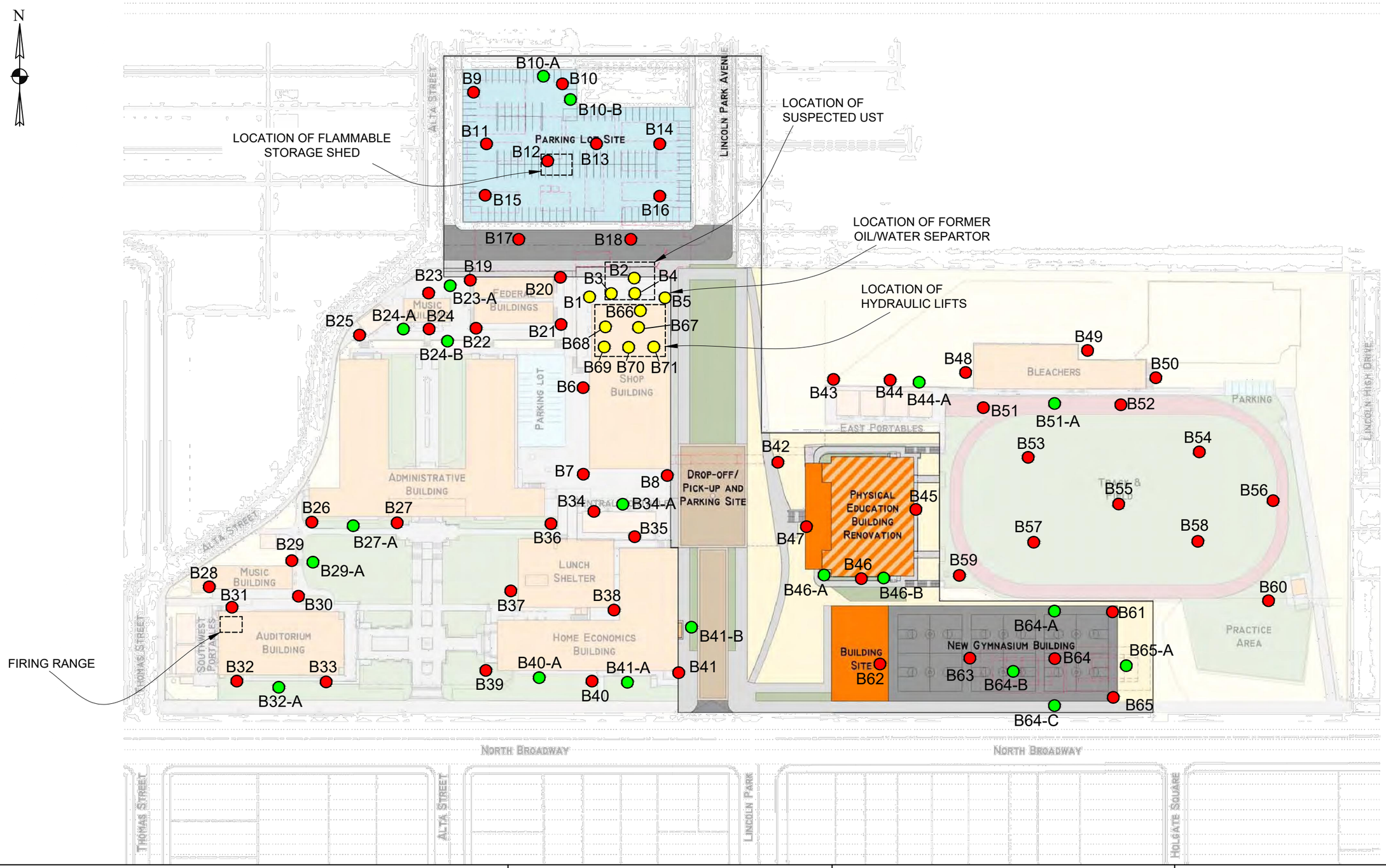
3501 N. BROADWAY
LOS ANGELES, CALIFORNIA

PROJECT NO: 12-0020-007 DATE: 7/8/2019

ALISTO ENGINEERING GROUP

2737 N. MAIN STREET, SUITE 200, WALNUT CREEK, CALIFORNIA 94597
OFFICE TEL.# (925)279-5000 FAX# (925)279-5001 WWW.ALISTO.COM

C:\Users\James\AppData\Local\Temp\ACPublish_18852\Figure 1 and Figure 2.dwg 7/03/2019 – 3:29pm



LEGEND

- HAND AUGER BORINGS TO 3 FEET BGS
- STEP-OUT BORINGS TO 3 FEET BGS
- DIRECT-PUSH BORINGS TO APPROX. 15 FEET BGS
- BOUNDARY

0 25 50 100 200
FEET

*DRAWING ADOPTED FROM LINCOLN HIGH SCHOOL CONCEPTUAL MASTER PLAN

ALISTO ENGINEERING GROUP
2737 N. MAIN STREET, SUITE 200, WALNUT CREEK, CALIFORNIA 94597
OFFICE TEL.# (925)279-5000 FAX# (925)279-5001 WWW.ALISTO.COM

FIGURE 2 - SOIL BORING LOCATIONS

LOS ANGELES UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN HIGH SCHOOL

3501 NORTH BROADWAY
LOS ANGELES, CALIFORNIA
PROJECT NO: 12-0020-007

DATE: 8/22/19

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TABLES

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS

Abraham Lincoln High School

3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B1	1	6/12/2019	ND	10.0	---	---	---	---
B2	1	6/12/2019	ND	5.23	---	---	---	---
B2	5	6/12/2019	ND	7.90	---	---	---	---
B2	10	6/12/2019	---	---	---	---	---	---
B2	15	6/12/2019	---	---	---	---	---	---
B3	1	6/12/2019	ND	10.4	---	---	---	---
B3	5	6/12/2019	ND	10.8	---	---	---	---
B3	10	6/12/2019	---	---	---	---	---	---
B3	15	6/12/2019	---	---	---	---	---	---
B4	1	6/12/2019	ND	12.4	---	---	---	---
QC-5	1	6/12/2019	**29**	**140**	ND	ND	ND	ND
B4	5	6/12/2019	ND	8.43	---	---	---	---
B5	1	6/12/2019	ND	9.75	---	---	---	---
QC-3	1	6/12/2019	ND	15.1	---	---	---	---
B5	5	6/12/2019	ND	24.4	---	---	---	---
B5	10	6/12/2019	---	---	---	---	---	---
B5	15	6/12/2019	---	---	---	---	---	---
B6	0.5	6/12/2019	2.2	8.5	---	---	---	---
B6	1.5	6/12/2019	---	---	---	---	---	---
B6	3.0	6/12/2019	---	---	---	---	---	---
B7	0.5	6/12/2019	3.8	18	---	---	---	---
B7	1.5	6/12/2019	---	---	---	---	---	---
B7	3.0	6/12/2019	---	---	---	---	---	---
B8	0.5	6/12/2019	3.4		---	---	---	---
B8	1.5	6/12/2019	20	---	---	---	---	---
B8	3.0	6/12/2019	---	---	---	---	---	---
B9	0.5	6/11/2019	3.5	41	---	---	---	---
B9	1.5	6/11/2019	---	---	---	---	---	---
B9	3.0	6/11/2019	---	---	---	---	---	---
B10	0.5	6/11/2019	11	**240**	6.2	9.7	27	ND
B10	1.5	6/11/2019	---	---	---	---	---	---
B10	3.0	6/11/2019	---	---	---	---	---	---
B10-A	0.5	8/15/2019	**12**	**120**	---	---	---	---
QC-8	0.5	8/15/2019	**13**	**95**				
B10-A	1.5	8/15/2019	---	---	---	---	---	---
B10-A	3.0	8/15/2019	---	---	---	---	---	---
B10-B	0.5	8/15/2019	8.3	**130**	---	---	---	---
B10-B	1.5	8/15/2019	---	---	---	---	---	---
B10-B	3.0	8/15/2019	---	---	---	---	---	---
B11	0.5	6/11/2019	3.9	72	---	---	---	---
B11	1.5	6/11/2019	---	---	---	---	---	---
B11	3.0	6/11/2019	---	---	---	---	---	---
B12	0.5	6/11/2019	6.5	**82**	ND	4.4	ND	ND
B12	1.5	6/11/2019	---	---	---	---	---	---
B12	3.0	6/11/2019	---	---	---	---	---	---

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B13	0.5	6/11/2019	6.1	76	---	---	---	---
B13	1.5	6/11/2019	---	---	---	---	---	---
B13	3.0	6/11/2019	---	---	---	---	---	---
B14	0.5	6/11/2019	6.2	33	---	---	---	---
B14	1.5	6/11/2019	---	---	---	---	---	---
B14	3.0	6/11/2019	---	---	---	---	---	---
B15	0.5	6/11/2019	3.7	9.7	---	---	---	---
B15	1.5	6/11/2019	---	---	---	---	---	---
B15	3.0	6/11/2019	---	---	---	---	---	---
B16	0.5	6/11/2019	7.2	5.2	---	---	---	---
QC-2	0.5	6/11/2019	7.3	5.7	---	---	---	---
B16	1.5	6/11/2019	---	---	---	---	---	---
B16	3.0	6/11/2019	---	---	---	---	---	---
B17	0.5	6/12/2019	6.9	41	---	---	---	---
B17	1.5	6/12/2019	---	---	---	---	---	---
B17	3.0	6/12/2019	---	---	---	---	---	---
B18	0.5	6/12/2019	4.8	34	---	---	---	---
B18	1.5	6/12/2019	5.6	12	---	---	---	---
B18	3.0	6/12/2019	6.3	11	---	---	---	---
B19	0.5	6/11/2019	3.7	23	ND	ND	ND	ND
B19	1.5	6/11/2019	---	---	---	---	---	---
B19	3.0	6/11/2019	---	---	---	---	---	---
B20	0.5	6/11/2019	4.8	31	ND	ND	ND	ND
B20	1.5	6/11/2019	---	---	---	---	---	---
B20	3.0	6/11/2019	---	---	---	---	---	---
B21	0.5	6/11/2019	7.8	12	ND	ND	ND	ND
B21	1.5	6/11/2019	---	---	---	---	---	---
B21	3.0	6/11/2019	---	---	---	---	---	---
B22	0.5	6/11/2019	4.7	22	ND	ND	ND	ND
B22	1.5	6/11/2019	---	---	---	---	---	---
B22	3.0	6/11/2019	---	---	---	---	---	---
B23	0.5	6/11/2019	5.2	**190**	ND	ND	ND	ND
B23	1.5	6/11/2019	---	---	---	---	---	---
B23	3.0	6/11/2019	---	---	---	---	---	---
B23-A	0.5	8/15/2019	3.2	8.2	---	---	---	---
B23-A	1.5	8/15/2019	---	---	---	---	---	---
B23-A	3.0	8/15/2019	---	---	---	---	---	---
B24	0.5	6/12/2019	**15**	**210**	ND	12	11	140
B24	1.5	6/12/2019	---	---	---	---	---	---
B24	3.0	6/12/2019	---	---	---	---	---	---
B24-A	0.5	8/15/2019	5.5	**130**	---	---	---	---
B24-A	1.5	8/15/2019	---	---	---	---	---	---
B24-A	3.0	8/15/2019	---	---	---	---	---	---
B24-B	0.5	8/15/2019	3.9	33	---	---	---	---
B24-B	1.5	8/15/2019	---	---	---	---	---	---

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B24-B	3.0	8/15/2019	---	---	---	---	---	---
B25	0.5	6/12/2019	3.2	37	ND	ND	ND	ND
B25	1.5	6/12/2019	---	---	---	---	---	---
B25	3.0	6/12/2019	---	---	---	---	---	---
B26	0.5	6/10/2019	6.2	74	ND	5.5	ND	ND
B26	1.5	6/10/2019	---	---	ND	ND	ND	ND
B26	3.0	6/10/2019	---	---	---	---	---	---
B27	0.5	6/10/2019	7.0	**99**	ND	ND	ND	ND
B27	1.5	6/10/2019	---	---	---	---	---	---
B27	3.0	6/10/2019	---	---	---	---	---	---
B27-A	0.5	8/15/2019	7.9	**210**	---	---	---	---
B27-A	1.5	8/15/2019	---	---	---	---	---	---
B27-A	3.0	8/15/2019	---	---	---	---	---	---
B28	0.5	6/10/2019	**44**	19	ND	ND	ND	ND
B28	1.5	6/10/2019	---	---	---	---	---	---
B28	3.0	6/10/2019	---	---	---	---	---	---
B29	0.5	6/10/2019	**75**	21	ND	ND	ND	ND
B29	1.5	6/10/2019	---	---	---	---	---	---
B29	3.0	6/10/2019	---	---	---	---	---	---
B29-A	0.5	8/15/2019	6.9	55	---	---	---	---
B29-A	1.5	8/15/2019	---	---	---	---	---	---
B29-A	3.0	8/15/2019	---	---	---	---	---	---
B30	0.5	6/10/2019	11	31	ND	ND	7.3	28
B30	**1.5**	6/10/2019	---	---	ND	ND	ND	ND
B30	3.0	6/10/2019	---	---	---	---	---	---
B31	0.5	6/13/2019	2.3	53	ND	ND	ND	11
QC-4	0.5	6/13/2019	3.1	9.5	ND	ND	ND	ND
B31	1.5	6/13/2019	---	---	---	---	---	---
B31	3.0	6/13/2019	---	---	---	---	---	---
B32	0.5	6/13/2019	**29**	27	ND	ND	ND	14
B32	1.5	6/13/2019	---	---	---	---	---	---
B32	3.0	6/13/2019	---	---	---	---	---	---
B32-A	0.5	8/15/2019	5.1	**110**	---	---	---	---
B32-A	1.5	8/15/2019	---	---	---	---	---	---
B32-A	3.0	8/15/2019	---	---	---	---	---	---
B33	0.5	6/13/2019	**15**	55	ND	ND	ND	13
B33	1.5	6/13/2019	---	---	---	---	---	---
B33	3.0	6/13/2019	---	---	---	---	---	---
B34	0.5	6/10/2019	9.1	7.1	ND	2.3	ND	16
B34	1.5	6/10/2019	---	---	ND	7.5	4.1	**1,700**
B34	3.0	6/10/2019	---	---	---	---	---	---
B34-A	0.5	8/15/2019	4.6	24	ND	10	ND	35
B34-A	1.5	8/15/2019	---	---	ND	2.7	ND	150
QC-10	1.5	8/15/2019	---	---	ND	4.0	ND	230
B34-A	3.0	8/15/2019	---	---	---	---	---	---

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B35	0.5	6/10/2019	10	47	ND	ND	2.5	32
B35	1.5	6/10/2019	---	---	ND	2.5	ND	16
B35	3.0	6/10/2019	---	---	---	---	---	---
B36	0.5	6/10/2019	3.1	18	ND	9.1	ND	41
B36	1.5	6/10/2019	---	---	ND	6.0	ND	ND
B36	3.0	6/10/2019	---	---	---	---	---	---
B37	0.5	6/10/2019	**13**	60	ND	2.9	2.1	ND
QC-1	0.5	6/11/2019	8.7	38	ND	5.6	2.9	10
B37	1.5	6/10/2019	---	---	ND	3.5	6.2	ND
B37	3.0	6/10/2019	---	---	---	---	---	---
B38	0.5	6/10/2019	3.3	4.8	ND	ND	ND	ND
B38	1.5	6/10/2019	---	---	---	---	---	---
B38	3.0	6/10/2019	---	---	---	---	---	---
B39	0.5	6/10/2019	4.4	21	ND	ND	ND	ND
B39	1.5	6/10/2019	---	---	---	---	---	---
B39	3.0	6/10/2019	---	---	---	---	---	---
B40	0.5	6/13/2019	**21**	22	ND	ND	ND	ND
B40	1.5	6/13/2019	---	---	---	---	---	---
B40	3.0	6/13/2019	---	---	---	---	---	---
B40-A	0.5	8/15/2019	**28**	**180**	---	---	---	---
B40-A	1.5	8/15/2019	---	---	---	---	---	---
B40-A	3.0	8/15/2019	---	---	---	---	---	---
B41	0.5	6/13/2019	**20**	**110**	ND	ND	ND	27
B41	1.5	6/13/2019	---	---	---	---	---	---
B41	3.0	6/13/2019	---	---	---	---	---	---
B41-A	0.5	8/15/2019	7.1	75	---	---	---	---
B41-A	1.5	8/15/2019	---	---	---	---	---	---
B41-A	3.0	8/15/2019	---	---	---	---	---	---
B41-B	0.5	8/15/2019	10	**190**	---	---	---	---
B41-B	1.5	8/15/2019	---	---	---	---	---	---
B41-B	3.0	8/15/2019	---	---	---	---	---	---
B42	0.5	6/13/2019	6.5	24	ND	ND	ND	ND
B42	1.5	6/13/2019	---	---	---	---	---	---
B42	3.0	6/13/2019	---	---	---	---	---	---
B43	0.5	6/13/2019	10	25	---	---	---	---
B43	1.5	6/13/2019	---	---	---	---	---	---
B43	3.0	6/13/2019	---	---	---	---	---	---
B44	0.5	6/13/2019	**13**	**120**	---	---	---	---
B44	1.5	6/13/2019	---	---	---	---	---	---
B44	3.0	6/13/2019	---	---	---	---	---	---
B44-A	0.5	8/15/2019	**16**	47	---	---	---	---
B44-A	1.5	8/15/2019	---	---	---	---	---	---
B44-A	3.0	8/15/2019	---	---	---	---	---	---
B45	0.5	6/13/2019	6.4	55	ND	5.0	20	9.2
B45	1.5	6/13/2019	---	---	---	---	---	---

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B45	3.0	6/13/2019	---	---	---	---	---	---
B46	0.5	6/13/2019	**18**	**280**	ND	ND	3.7	15
B46	1.5	6/13/2019	---	---	---	---	---	---
B46	3.0	6/13/2019	---	---	---	---	---	---
B46-A	0.5	8/15/2019	**14**	**170**	---	---	---	---
B46-A	1.5	8/15/2019	---	---	---	---	---	---
B46-A	3.0	8/15/2019	---	---	---	---	---	---
B46-B	0.5	8/15/2019	**13**	**690**	---	---	---	---
B46-B	1.5	8/15/2019	---	---	---	---	---	---
B46-B	3.0	8/15/2019	---	---	---	---	---	---
B47	0.5	6/13/2019	5.9	29	ND	ND	ND	ND
B47	1.5	6/13/2019	---	---	---	---	---	---
B47	3.0	6/13/2019	---	---	---	---	---	---
B48	0.5	6/13/2019	10	**110**	ND	4.0	13	26
B48	1.5	6/13/2019	---	---	---	---	---	---
B48	3.0	6/13/2019	---	---	---	---	---	---
B49	0.5	6/13/2019	7.0	13	ND	ND	ND	ND
B49	1.5	6/13/2019	---	---	---	---	---	---
B49	3.0	6/13/2019	---	---	---	---	---	---
B50	0.5	6/13/2019	7.2	24	ND	ND	ND	ND
B50	1.5	6/13/2019	---	---	---	---	---	---
B50	3.0	6/13/2019	---	---	---	---	---	---
B51	0.5	6/13/2019	**130**	36	ND	2.5	ND	ND
B51	1.5	6/13/2019	---	---	---	---	---	---
B51	3.0	6/13/2019	---	---	---	---	---	---
B51-A	0.5	8/15/2019	4.5	9.8	---	---	---	---
B51-A	1.5	8/15/2019	---	---	---	---	---	---
B51-A	3.0	8/15/2019	---	---	---	---	---	---
B52	0.5	6/13/2019	2.4	11	ND	ND	ND	ND
B52	1.5	6/13/2019	---	---	---	---	---	---
B52	3.0	6/13/2019	---	---	---	---	---	---
B53	0.5	6/13/2019	4.5	38	ND	ND	ND	ND
B53	1.5	6/13/2019	---	---	---	---	---	---
B53	3.0	6/13/2019	---	---	---	---	---	---
B54	0.5	6/13/2019	3.2	25	ND	ND	ND	ND
B54	1.5	6/13/2019	---	---	---	---	---	---
B54	3.0	6/13/2019	---	---	---	---	---	---
B55	0.5	6/13/2019	3.0	13	ND	ND	ND	ND
B55	1.5	6/13/2019	---	---	---	---	---	---
B55	3.0	6/13/2019	---	---	---	---	---	---
B56	0.5	6/13/2019	4.1	25	ND	ND	ND	ND
B56	1.5	6/13/2019	---	---	---	---	---	---
B56	3.0	6/13/2019	---	---	---	---	---	---
B57	0.5	6/13/2019	2.0	12	ND	ND	ND	ND
B57	1.5	6/13/2019	---	---	---	---	---	---

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B57	3.0	6/13/2019	---	---	---	---	---	---
B58	0.5	6/13/2019	2.5	14	ND	ND	ND	ND
B58	1.5	6/13/2019	---	---	---	---	---	---
B58	3.0	6/13/2019	---	---	---	---	---	---
B59	0.5	6/13/2019	2.2	59	ND	ND	ND	ND
B59	1.5	6/13/2019	---	---	---	---	---	---
B59	3.0	6/13/2019	---	---	---	---	---	---
B60	0.5	6/13/2019	3.1	5.8	ND	ND	2.2	ND
B60	1.5	6/13/2019	---	---	---	---	---	---
B60	3.0	6/13/2019	---	---	---	---	---	---
B61	0.5	6/13/2019	7.1	74	ND	ND	ND	22
B61	1.5	6/13/2019	---	---	---	---	---	---
B61	3.0	6/13/2019	---	---	---	---	---	---
B62	0.5	6/13/2019	10	68	ND	ND	ND	ND
B62	1.5	6/13/2019	---	---	---	---	---	---
B62	3.0	6/13/2019	---	---	---	---	---	---
B63	0.5	6/13/2019	5.7	7.2	---	---	---	---
B63	1.5	6/13/2019	---	---	---	---	---	---
B63	3.0	6/13/2019	---	---	---	---	---	---
B64	0.5	6/13/2019	8.6	**390**	---	---	---	---
QC-9	1.5	6/13/2019	5.1	46	---	---	---	---
B64	1.5	6/13/2019	---	---	---	---	---	---
B64	3.0	6/13/2019	---	---	---	---	---	---
B64-A	0.5	8/15/2019	5.7	27	---	---	---	---
B64-A	1.5	8/15/2019	---	---	---	---	---	---
B64-A	3.0	8/15/2019	---	---	---	---	---	---
B64-B	0.5	8/15/2019	6.0	37	---	---	---	---
QC-11	0.5	8/15/2019	5.6	19	---	---	---	---
B64-B	1.5	8/15/2019	---	---	---	---	---	---
B64-B	3.0	8/15/2019	---	---	---	---	---	---
B64-C	0.5	8/15/2019	6.8	32	---	---	---	---
B64-C	1.5	8/15/2019	---	---	---	---	---	---
B64-C	3.0	8/15/2019	---	---	---	---	---	---
B65	0.5	6/13/2019	8.1	**93**	ND	ND	ND	ND
B65	1.5	6/13/2019	---	---	---	---	---	---
B65	3.0	6/13/2019	---	---	---	---	---	---
B65-A	0.5	8/15/2019	10	**95**	---	---	---	---
B65-A	1.5	8/15/2019	---	---	---	---	---	---
B65-A	1.5	8/15/2019	---	---	---	---	---	---
B66	1	8/16/2019	ND	19.2	---	---	---	---
B66	5	8/16/2019	ND	22.3	---	---	---	---
B66	10	8/16/2019	---	---	---	---	---	---
B66	15	8/16/2019	---	---	---	---	---	---
B67	1	8/16/2019	ND	14.9	---	---	---	---
B67	5	8/16/2019	ND	20.5	---	---	---	---
QC-12	5	8/16/2019	ND	**200**	---	---	---	---

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPS

Abraham Lincoln High School

3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	Analytical Results					
			Arsenic (mg/kg)	Lead (mg/kg)	OCPs ((µg/kg)			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane
B67	10	8/16/2019	---	---	---	---	---	---
B68	1	8/16/2019	ND	6.36	---	---	---	---
B68	5	8/16/2019	ND	14.8	---	---	---	---
B68	10	8/16/2019	---	---	---	---	---	---
B68	15	8/16/2019	---	---	---	---	---	---
B69	1	8/16/2019	ND	20.2	---	---	---	---
B69	5	8/16/2019	5.41	28.2	---	---	---	---
B69	10	8/16/2019	---	---	---	---	---	---
B69	15	8/16/2019	---	---	---	---	---	---
B70	1	8/16/2019	ND	17.7	---	---	---	---
B70	5	8/16/2019	ND	20.0	---	---	---	---
B70	10	8/16/2019	---	---	---	---	---	---
B70	15	8/16/2019	---	---	---	---	---	---
B71	1	8/16/2019	ND	11.2	---	---	---	---
B71	5	8/16/2019	ND	**198**	---	---	---	---
B71	10	8/16/2019	---	---	---	---	---	---
B71	15	8/16/2019	---	---	---	---	---	---
		Screening Level (mg/kg)	**12**	**80**	**2,300***	**2,000***	**1,900***	**1,700***

Waste Charcterization	**TTLC (mg/kg)**	**500**	**1,000**	**1.0**		**2.5**
	STLC (µg/l)	**5.0**	**5.0**	**0.1**		**0.3**

Notes:

California Department of Toxic Substances Control (DTSC) background concentration for Arsenic is 12 mg/kg.
Lead Residential DTSC-Modified Screening Level is 80 mg/kg.

* OCPs: DTSC-Screening Level (DTSC-SL) for residential land use published in the DTSC's Office of Human and Ecological Risk Office (HERO) Note 3.

Bold indicate concentrations above screening levels.

mg/kg Milligrams per kilogram.
µg/kg Micrograms per kilogram.
µg/l Micrograms per liter.

Arsenic and Lead by EPA Methods 6010B/6020. PCBs by EPA Method 8082.
OCPs Organochlorine Pesticides (including Chlordance and DDE / DDT/DDD) by EPA Method 8081A.
4,4'-DDD Dichlorodiphenyldichloroethane.
4,4'-DDE Dichlorodiphenyldichloroethylene.
4,4'-DDT Dichlorodiphenyltrichloroethane.

TTLC Total Threshold Limit Concentrations as defined in Title 22 of California Code of Regulation (CCR).
STLC Soluble Threshold Limit Concentrations as defined in Title 22 of CCR.
TTLC and STLC are in micrograms per liter (ug/L).

ND Not detected; See laboratory reports for reporting limits.
--- Not analyzed. Samples on hold in the laboratory.

TABLE 2: SOIL SAMPLE ANALYTICAL RESULTS - Title 22 Metals (CAM 17 Metals)

Abraham Lincoln High School

3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depths (feet)	Date Sampled	Analytical Results (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1	1	6/12/2019	ND	ND	128	ND	ND	20.6	8.76	24.8	10.0	ND	ND	16.4	ND	ND	ND	42.0	80.4
B2	1	6/12/2019	ND	ND	107	ND	ND	16.7	9.01	6.14	5.23	ND	ND	10.8	ND	ND	ND	33.0	54.7
B2	5	6/12/2019	ND	ND	105	ND	ND	17.7	6.93	20.6	7.90	ND	2.18J	17.8	ND	ND	ND	43.0	59.9
B2	10	6/12/2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B2	15	6/12/2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B3	1	6/12/2019	ND	ND	103	ND	ND	18.9	8.1	16.3	10.4	ND	ND	11.4	ND	ND	ND	34.9	55.5
B3	5	6/12/2019	ND	ND	119	ND	ND	17.6	6.42	21.2	10.8	ND	2.2J	18.9	ND	ND	ND	39.2	61.8
B3	10	6/12/2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B3	15	6/12/2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B4	1	6/12/2019	ND	ND	94.4	ND	ND	16.7	7.92	14.9	12.4	ND	ND	10.5	ND	ND	ND	30.6	63.2
B4	5	6/12/2019	ND	ND	128	ND	ND	20.3	7.05	22.5	8.43	ND	2.62j	19.6	ND	ND	ND	50.6	62.5
B5	1	6/12/2019	ND	ND	92.8	ND	ND	16.1	8.45	16.0	9.75	ND	ND	9.69	ND	ND	ND	31.7	58.3
QC-3	1	6/12/2019	ND	ND	101	ND	ND	19.0	15.0	15.8	15.1	ND	ND	10.9	ND	ND	ND	33.5	68.8
B5	5	6/12/2019	ND	ND	119	ND	ND	19.4	6.41	25.0	24.4	ND	2.49j	17.8	ND	ND	ND	44.4	94.6
B5	10	6/12/2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B5	15	6/12/2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waste Charcterization		**TTLC**	**500**	**500**	**10,000**	**75**	**100**	**2,500**	**8,000**	**2,500**	**1,000**	**20**	**3,500**	**2,000**	**100**	**500**	**700**	**2,400**	**5,000**
		STLC	**15**	**5.0**	**100**	**0.75**	**1.0**	**5**	**80**	**25**	**5.0**	**0.2**	**350**	**20**	**1.0**	**5**	**7.0**	**24**	**250**

California Department of Toxic Substances Control (DTSC) background concentration for arsenic is 12 mg/kg.
Lead Residential DTSC-Modified Screening Level is 80 mg/kg.

Notes:

mg/kg milligrams per kilogram.
Title 22 Metals (CAM-17 Metals) by EPA Method 6010B.
Mercury by EPA Method 7471A.

TTLC Total Threshold Limit Concentrations as defined in Title 22 of California Code of Regulation (CCR).

STLC Soluble Threshold Limit Concentrations as defined in Title 22 of CCR.

ND Not detected. See laboratory reports for reporting limits.

--- Not analyzed.

j Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

TABLE 3: SOIL SAMPLE ANALYTICAL RESULTS - Volatile Organic Compounds
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	B (µg/kg)	T (µg/kg)	E (µg/kg)	X (µg/kg)	MTBE (µg/kg)	Other VOCs (µg/kg)
B1	1	6/12/2019	ND	4.4	ND	ND	ND	ND
QC-6	1	6/12/2019	ND	ND	ND	ND	ND	ND
B2	1	6/12/2019	ND	ND	ND	ND	ND	ND
B2	5	6/12/2019	ND	ND	ND	ND	ND	ND
B2	10	6/12/2019	---	---	---	---	---	---
B2	15	6/12/2019	---	---	---	---	---	---
B3	1	6/12/2019	ND	ND	ND	ND	ND	ND
B3	5	6/12/2019	ND	ND	ND	ND	ND	ND
B3	10	6/12/2019	---	---	---	---	---	---
B3	15	6/12/2019	---	---	---	---	---	---
B4	1	6/12/2019	ND	ND	ND	ND	ND	ND
B4	5	6/12/2019	ND	ND	ND	ND	ND	ND
B5	1	6/12/2019	ND	ND	ND	ND	ND	ND
B5	5	6/12/2019	ND	ND	ND	ND	ND	ND
B5	10	6/12/2019	---	---	---	---	---	---
B5	15	6/12/2019	---	---	---	---	---	---
B6	0.5	6/12/2019	ND	ND	ND	ND	ND	ND
B7	0.5	6/12/2019	ND	ND	ND	ND	ND	ND
QC-7	0.5	6/12/2019	ND	4.4	ND	ND	ND	ND
B8	0.5	6/12/2019	ND	ND	ND	ND	ND	ND
B12	0.5	6/11/2019	ND	ND	ND	ND	ND	ND
B12	1.5	6/11/2019	---	---	---	---	---	---
B12	3.0	6/11/2019	---	---	---	---	---	---
B66	1	8/16/2019	ND	ND	ND	ND	ND	ND*
B66	5	8/16/2019	ND	ND	ND	ND	ND	ND*
B66	10	8/16/2019	---	---	---	---	---	---
B66	15	8/16/2019	---	---	---	---	---	---
B67	1	8/16/2019	ND	ND	ND	ND	ND	ND*
B67	5	8/16/2019	ND	ND	ND	ND	ND	ND*
QC-12	5	8/16/2019	ND	ND	ND	ND	ND	ND
B67	10	8/16/2019	---	---	---	---	---	---
B68	1	8/16/2019	ND	ND	ND	ND	ND	ND*
B68	5	8/16/2019	ND	ND	ND	ND	ND	ND*
B68	10	8/16/2019	---	---	---	---	---	---
B68	15	8/16/2019	---	---	---	---	---	---
B69	1	8/16/2019	ND	ND	ND	ND	ND	ND*
B69	5	8/16/2019	ND	ND	ND	ND	ND	ND*
B69	10	8/16/2019	---	---	---	---	---	---
B69	15	8/16/2019	---	---	---	---	---	---
B70	1	8/16/2019	ND	ND	ND	ND	ND	ND
B70	5	8/16/2019	ND	ND	ND	ND	ND	ND*
B70	10	8/16/2019	---	---	---	---	---	---
B70	15	8/16/2019	---	---	---	---	---	---

TABLE 3: SOIL SAMPLE ANALYTICAL RESULTS - Volatile Organic Compounds
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	B (µg/kg)	T (µg/kg)	E (µg/kg)	X (µg/kg)	MTBE (µg/kg)	Other VOCs (µg/kg)
B71	1	8/16/2019	ND	ND	ND	ND	ND	ND
B71	5	8/16/2019	ND	ND	ND	ND	ND	ND*
B71	10	8/16/2019	---	---	---	---	---	---
B71	15	8/16/2019	---	---	---	---	---	---

Notes:

µg/kg	Micrograms per kilogram.
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
VOCs	Volatile Organic Compounds by EPA Method 8260B with 5035.
*	Acetone detected at concentrations ranging from 62.5 to 189 µg/kg. The EPA Regional Screening Level (RSL) for Acetone is 6,100 mg/kg (Noncancer Child HI = 0.1).
ND	Not detected; See laboratory reports for reporting limits.
---	Not analyzed.

TABLE 4: SOIL SAMPLE ANALYTICAL RESULTS - Petroleum Hydrocarbons and PCBs

Abraham Lincoln High School

3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	PAHs **(µg/kg)**	PCBs **(µg/kg)**
B1	1	6/12/2019	ND	11	23	ND	---
QC-6	1	6/12/2019	ND	---	---	---	---
B2	1	6/12/2019	ND	20	ND	ND[1]	---
B2	5	6/12/2019	ND	60	200	ND[2]	---
B2	10	6/12/2019	---	---	---	---	---
B2	15	6/12/2019	---	---	---	---	---
B3	1	6/12/2019	ND	14	38	ND[3]	ND*
B3	5	6/12/2019	ND	11	28	ND	ND
B3	10	6/12/2019	---	---	---	---	---
B3	15	6/12/2019	---	---	---	---	---
B4	1	6/12/2019	ND	19	41	ND[4]	---
B4	5	6/12/2019	ND	27	59	ND	---
B5	1	6/12/2019	ND	13	24	ND[5]	---
QC-3	1	6/12/2019	---	19	41	ND[6]	---
B5	5	6/12/2019	ND	39	88	ND[7]	---
B5	10	6/12/2019	---	---	---	---	---
B5	15	6/12/2019	---	---	---	---	---
B6	0.5	6/12/2019	ND	12	23	---	---
B6	1.5	6/12/2019	---	---	---	---	---
B6	3.0	6/12/2019	---	---	---	---	---
B7	0.5	6/12/2019	ND	19	37	---	---
QC-7	0.5	6/12/2019	ND	---	---	---	---
B7	1.5	6/12/2019	---	---	---	---	---
B7	3.0	6/12/2019	---	---	---	---	---
B8	0.5	6/12/2019	ND	ND	14	---	ND
B8	1.5	6/12/2019	---	---	---	---	---
B8	3.0	6/12/2019	---	---	---	---	---
B12	0.5	6/12/2019	ND	ND	ND	---	---
B12	1.5	6/12/2019	---	---	---	---	---
B12	3.0	6/12/2019	---	---	---	---	---
B15	0.5	6/11/2019	ND	ND	18	---	---
B15	1.5	6/11/2019	---	---	---	---	---
B15	3.0	6/11/2019	---	---	---	---	---
B16	0.5	6/11/2019	ND	ND	12	---	---
QC-2	0.5	6/11/2019	---	7.3	74	---	---
B16	1.5	6/11/2019	---	---	---	---	---
B16	3.0	6/11/2019	---	---	---	---	---
B17	0.5	6/12/2019	ND	170	510	---	---
B17	1.5	6/12/2019	---	---	---	---	---
B17	3.0	6/12/2019	---	---	---	---	---
B18	0.5	6/12/2019	ND	51	160	---	---
B18	1.5	6/12/2019	ND	ND	ND	---	---
B18	3.0	6/12/2019	ND	ND	ND	---	---
B66	1	8/16/2019	ND	ND	ND	---	ND
B66	5	8/16/2019	ND	137	**1,230**	---	ND
B66	10	8/16/2019	---	---	**1,750**	---	---
B66	15	8/16/2019	---	---	---	---	---

TABLE 4: SOIL SAMPLE ANALYTICAL RESULTS - Petroleum Hydrocarbons and PCBs

Abraham Lincoln High School

3501 North Braodway, Los Angeles, CA 90031

Boring Number	Sample Depth (feet)	Date Sampled	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	PAHs **(µg/kg)**	PCBs **(µg/kg)**
B67	1	8/16/2019	ND	35.5	89.1	---	ND
B67	5	8/16/2019	ND	ND	ND	---	ND
QC-12	5	8/16/2019	ND	ND	ND	---	ND
B67	10	8/16/2019	---	---	---	---	---
B68	1	8/16/2019	ND	ND	ND	---	ND
B68	5	8/16/2019	ND	ND	ND	---	ND
B68	10	8/16/2019	---	---	---	---	---
B68	15	8/16/2019	---	---	---	---	---
B69	1	8/16/2019	ND	ND	ND	---	ND
B69	5	8/16/2019	ND	ND	ND	---	ND
B69	10	8/16/2019	---	---	---	---	---
B69	15	8/16/2019	---	---	---	---	---
B70	1	8/16/2019	ND	ND	ND	---	ND
B70	5	8/16/2019	ND	ND	ND	---	ND
B70	10	8/16/2019	---	---	---	---	---
B70	15	8/16/2019	---	---	---	---	---
B71	1	8/16/2019	ND	ND	ND	---	ND
B71	5	8/16/2019	ND	ND	ND	---	ND
B71	10	8/16/2019	---	---	---	---	---
B71	15	8/16/2019	---	---	---	---	---
Screening Levels			**500****	**1,000****	**10,000****		**300*****

Notes:

mg/kg Milligrams per kilogram.

µg/kg Micrograms per kilogram.

GRO Gasoline Range Organics by EPA Method 8015B.

DRO Diesel Range Organics by EPA Method 8015B.

ORO Oil Range Organics by EPA Method 8015B.

PAHs Polycyclic Aromatic Hydrocarbons by EPA Method 8270 SIM.

PCBs Polychlorinated Biphenyls/Aroclors by EPA Method 8082.

* Aroclor 248 was detedted at a concentratyion of 52 µg/kg.

** Maximum soil screening levels established by the Los Angeles Regional Water Quality Control Board for soil where groundwater is present at depths of 20 to 150 feet below ground surface.

*** Soil screening value for PCBs from electrical transformers at proposed school sites (DTSC, 2006).

ND Not detected; See laboratory reports for reporting limits.

--- Not analyzed.

1 PAHs detected at conentrations raging from 5.5 to 7.0µg/kg.

2 Napththalene detected at conentration of 5.5 µg/kg.

3 PAHs detected at conentrations raging from 7.5 to 32 µg/kg.

4 PAHs detected at conentrations raging from 6.0 to 30 µg/kg.

5 PAHs detected at conentrations raging from 7.0 to 170 µg/kg.

6 PAHs detected at conentrations raging from 11 to 28 µg/kg.

7 PAHs detected at conentrations raging from 6.0 to 9.0 µg/kg.

TABLE 5: SOIL BORING GPS COORDINATES

Los Angeles Unified School District
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Alisto Engineering Group Project No. 12-020-07

Boring Number	Date Samples	Latitude	Longitude
B1	6/12/2019	34.07540872	-118.2033041
B2	6/12/2019	34.07545971	-118.2030575
B3	6/12/2019	34.07543585	-118.2031162
B4	6/12/2019	34.07543305	-118.2030613
B5	6/12/2019	34.0754352	-118.2029951
B6	6/12/2019	34.07504309	-118.203374
B7	6/12/2019	34.07475416	-118.2033396
B8	6/12/2019	34.07474118	-118.2029401
B9	6/11/2019	34.07609896	-118.2037618
B10	6/11/2019	34.07621514	-118.2034379
B10-A	8/15/2019	34.07621412	-118.2034865
B10-B	8/15/2019	34.0761792	-118.2034174
B11	6/11/2019	34.07593561	-118.2038496
B12	6/11/2019	34.07584462	-118.2035066
B13	6/11/2019	34.07592005	-118.2031591
B14	6/11/2019	34.07599106	-118.2030104
B15	6/11/2019	34.07573908	-118.2038385
B16	6/11/2019	34.07577452	-118.2029837
B17	6/12/2019	34.07562755	-118.2036541
B18	6/12/2019	34.07564342	-118.2030914
B19	6/11/2019	34.07550426	-118.2038415
B20	6/11/2019	34.07549142	-118.2034581
B21	6/11/2019	34.07527497	-118.2034466
B22	6/11/2019	34.07529282	-118.2038496
B23	6/11/2019	34.07542673	-118.2040982
B23-A	8/15/2019	34.07539616	-118.2039846
B24	6/12/2019	34.07529151	-118.2040658
B24-A	8/15/2019	34.07529571	-118.2041312
B24-B	8/15/2019	34.07526246	-118.204006
B25	6/12/2019	34.07526888	-118.2043542
B26	6/10/2019	34.07456308	-118.2045186
B27	6/10/2019	34.07456609	-118.2041647
B27-A	8/15/2019	34.07456598	-118.2043123
B28	6/10/2019	34.07432162	-118.2049495
B29	6/10/2019	34.07442438	-118.2045869
B29-A	8/15/2019	34.07440488	-118.2045368
B30	6/10/2019	34.07430245	-118.2045315
B31	6/13/2019	34.07426259	-118.2048823
B32	6/13/2019	34.07399555	-118.2048193
B32-A	8/15/2019	34.07399195	-118.204676
B33	6/13/2019	34.07398232	-118.2043917
B34	6/10/2019	34.07460009	-118.2033496
B34-A	8/15/2019	34.07459864	-118.2032255
B35	6/10/2019	34.07456651	-118.2030803
B36	6/10/2019	34.07458524	-118.2034606
B37	6/10/2019	34.07435619	-118.2036625
B38	6/10/2019	34.07447131	-118.2033424
B39	6/10/2019	34.07405777	-118.2037345

TABLE 5: SOIL BORING GPS COORDINATES

Los Angeles Unified School District
Abraham Lincoln High School
3501 North Braodway, Los Angeles, CA 90031

Alisto Engineering Group Project No. 12-020-07

Boring Number	Date Samples	Latitude	Longitude
B40	6/13/2019	34.07406649	-118.2033083
B40-A	8/15/2019	34.07404733	-118.2035331
B41	6/13/2019	34.07407969	-118.2029142
B41-A	8/15/2019	34.07403762	-118.2030608
B41-B	8/15/2019	34.07416384	-118.2029219
B42	6/13/2019	34.07489067	-118.202384
B43	6/13/2019	34.07506028	-118.2022379
B44	6/13/2019	34.07512446	-118.2018441
B44-A	8/15/2019	34.0751204	-118.201888
B45	6/13/2019	34.07467629	-118.2018077
B46	6/13/2019	34.0743907	-118.2021208
B46-A	8/15/2019	34.07453781	-118.2021103
B46-B	8/15/2019	34.07439447	-118.202031
B47	6/13/2019	34.07458874	-118.2023702
B48	6/13/2019	34.07514208	-118.2016596
B49	6/13/2019	34.07523472	-118.2010659
B50	6/13/2019	34.07514823	-118.2008701
B51	6/13/2019	34.07502825	-118.2016686
B51-A	8/15/2019	34.07507171	-118.2013333
B52	6/13/2019	34.07507421	-118.2009041
B53	6/13/2019	34.07492018	-118.2014054
B54	6/13/2019	34.07492924	-118.2007647
B55	6/13/2019	34.07472973	-118.2011976
B56	6/13/2019	34.07473668	-118.2003336
B57	6/13/2019	34.07456402	-118.2014024
B58	6/13/2019	34.07459887	-118.2007523
B59	6/13/2019	34.07445228	-118.2016697
B60	6/13/2019	34.0744353	-118.2003053
B61	6/13/2019	34.07421007	-118.2008546
B62	6/13/2019	34.07406889	-118.2019904
B63	6/13/2019	34.07407632	-118.2014219
B64	6/13/2019	34.07412157	-118.2010379
B64-A	8/15/2019	34.07419779	-118.2010476
B64-B	8/15/2019	34.07406864	-118.2011325
B64-C	8/15/2019	34.07401251	-118.2010436
B65	6/13/2019	34.07402663	-118.200851
B65-A	8/15/2019	34.07411522	-118.2008514

Notes:

Boring locations surveyed using global positioning system (GPS); Trimble Geo 7X instrument.

Boring B66 through B71 were not surveyed as they are located within the Shop Building. The locations of these borings are indicated on the Site Map.

APPENDIX A

PEA-E WORK NOTICE

Los Angeles Unified School District

Office of Environmental Health and Safety

AUSTIN BEUTNER
Superintendent of Schools

VIVIAN EKCHIAN
Chief Executive Officer, Office of Educational Services

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

May 24, 2019

TO: Neighbors and Community Members of
Abraham Lincoln High School

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

REGARDING: Preliminary Environmental Assessment
Abraham Lincoln High 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 – Equivalent (PEA-E) that will be conducted within the boundaries of Abraham Lincoln High School, located at 3501 North Broadway, Los Angeles, CA 90031. The PEA-E will be conducted across most of the campus scheduled to undergo a comprehensive modernization.

A licensed contractor, working on behalf of LAUSD, will perform the environmental investigation under the oversight of the LAUSD-OEHS, which is independent from the LAUSD Facilities Services Division (LAUSD-FSD). (The LAUSD-FSD is the responsible Branch for the development and construction of the comprehensive modernization project.) The entire environmental investigation will consist of sampling at locations on campus where existing facilities will be demolished (as needed) and new buildings/paving/landscaping will be constructed. Soil samples will be analyzed for potential residual arsenic, lead-based paint, polychlorinated biphenyls (PCBs), and organochlorine pesticides (OCPs). If necessary, a soil cleanup will be performed prior to construction activities to protect students, faculty, and staff.

The field work for the PEA-E is scheduled to begin on June 10, 2019 and continue until June 14, 2019 during LAUSD's Summer Break. Work will be conducted between 7:00 am and 5:00 pm. If additional investigation is necessary, it may extend for another week during the last weeks of June or early part of July.

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 above listed compounds 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 Mr. Lawrence Browne, LAUSD Office of Environmental Health and Safety, Site Assessment Project Manager at (213) 241-4263 (email at lawrence.browne@lausd.net).

Distrito Escolar Unificado de Los Angeles
(LAUSD, por sus siglas en ingles)

Oficina de Salud y Seguridad Ambiental
(OEHS, por sus siglas en ingles)

Mayo 24, 2019

PARA: Vecinos y Miembros de la Comunidad de La Escuela Secundaria Abraham Lincoln

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

RESPECTO A: Evaluacion Preliminaria del Medio Ambiente
Escuela Secundaria Abraham Lincoln, Los Angeles, California

El Distrito Escolar de Los Angeles (LAUSD, por sus siglas en ingles) – Oficina de Salud y Seguridad Ambiental (OEHS, por sus siglas en inglés) desea proporcionarles a ustedes con una notificación avanzada para una evaluación Preliminaria del Medio Ambiente – Equivalente (PEA-E, por sus siglas en inglés) que será conducida dentro de los límites de La Escuela Secundaria Abraham Lincoln, localizada en 3501 North Broadway, Los Angeles, CA 90031. El PEA-E será conducido a través de casi todo el campo programado a recibir una modernización comprensiva.

Un profesional ambiental autorizado con licencia, que trabaja en nombre de LAUSD, realizara la investigación ambiental bajo la supervisión del LAUSD-OEHS, que es independiente del LAUSD-División de Servicios de las Instalaciones (LAUSD-FSD, por sus siglas en inglés). (El LAUSD-FSD es la Sección responsable por el desarrollo y construcción del proyecto de modernización comprensiva.) La investigación ambiental completa consistirá de tomar muestras en áreas del campus donde instalaciones existentes serán removidas (según sea necesario) y nuevos edificios/pavimentación/jardinería serán construidas. Muestras del suelo serán analizadas para detectar residuos potenciales de arsénico, pintura con base de plomo, bifenilos policlorados (PCBs, por sus siglas en ingles), y pesticidas orgánicos (OCPs, por sus siglas en ingles). Si es necesario, limpieza de suelo será hecha antes de las actividades de construcción para proteger a los estudiantes, facultad, y personal.

El trabajo de campo para el PEA-E está programado a empezar el 10 de Junio de 2019 y continuara hasta el 14 de Junio de 2019 durante LAUSD vacaciones de verano. El trabajo se realizara entre las 7:00 a.m. y las 5:00 p.m. Si investigación adicional es necesaria, el trabajo se extenderá por otra semana durante las últimas semanas de Junio o temprano en Julio.

Los resultados de la investigación se presentaran a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de si alguno de los productos químicos listados al comienzo están presentes en el suelo en concentraciones que requieren una evaluación adicional, o una acción de repuesta 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 la próxima investigación ambiental u otras actividades relacionadas con este proyecto, por favor contacte a Mr. Lawrence Browne, LAUSD Oficina de Salud y Seguridad Ambiental, Gerente del Proyecto de Evaluacion de Sitio al (213) 241-4263 (correo electrónico a lawrence.browne@lausd.net).

APPENDIX B

SOIL BORING PERMIT

ENVIRONMENTAL HEALTH

Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • Facsimile: (626) 813-3013 • Email: waterquality@ph.lacounty.gov
http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

SR0179814
3501 North Broadway, Los Angeles, CA 90031
Work Plan Approval

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS FOR WELL PERMIT APPROVAL
3501 North Broadway	Los Angeles	90031	ldowns@alisto.com

NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- WORK PLAN APPROVALS ARE LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- ***ONCE APPROVED NOTIFY INSPECTOR AT ytaye@ph.lacounty.gov PREFERABLY 3 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN.***

WORK PLAN APPROVED (5 soil borings) **DATE: April 16, 2019**

ADDITIONAL APPROVAL CONDITIONS:

- Work plan approval is issued for scope of work submitted to the Drinking Water Program. Any modifications to the scope of work will require additional work plan review.
- Sealing material must be mixed in accordance with the California Well Standards (Bulletins 74-81 and 74-90).
  - Cement grout mix ratio of 5-6 gallons of water per 94-pound bag of Portland cement.
  - Up to 6% of Bentonite may be added to the cement-based mix. The water demand of bentonite shall be taken into account when water is added to the mix.
  - Bentonite alone shall not be used as a sealing material.
- Exploration holes must comply with all applicable requirements published in the California Well Standards (Bulletins 74-81 and 74-90) and Los Angeles County Code.

REHS NO: 7115

Yonas Taye, REHS

□ ANNULAR SEAL FINAL INSPECTION REQUIRED	□ WELL COMPLETION LOG REQUIRED
DATE ACCEPTED: REHS signature	DATE ACCEPTED: REHS signature

□ WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED	□ WATER QUALITY—CHEMICAL STANDARDS REQUIRED
DATE ACCEPTED: REHS signature	DATE ACCEPTED: REHS signature

□ WATER SUPPLY YIELD REQUIRED	□ OTHER REQUIREMENT
DATE ACCEPTED: REHS signature	DATE ACCEPTED: REHS signature

APPENDIX C

SOIL BORING LOGS

ALISTO ENGINEERING GROUP
WALNUT CREEK
CALIFORNIA

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D488)

MAJOR DIVISIONS				GRAPHIC LOG		TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS (More than half of material is larger than #200 sieve)	GRAVELS (More than half of coarse fraction is larger than the #4 sieve)	CLEAN GRAVELS WITH <5% FINES	Cu≥4 and 1≤Cc≤3		GW	WELL–GRADED GRAVELS, GRAVEL–SAND MIXTURES WITH LITTLE OR NO FINES
			Cu<4 and/or 1>Cc>3		GP	POORLY–GRADED GRAVELS, GRAVEL–SAND MIXTURES WITH LITTLE OR NO FINES
		GRAVELS WITH 5 to 12% FINES	Cu≥4 and 1≤Cc≤3		GW–GM	WELL–GRADED GRAVELS, GRAVEL–SAND MIXTURES WITH LITTLE FINES
					GW–GC	WELL–GRADED GRAVELS, GRAVEL–SAND MIXTURES WITH LITTLE CLAY FINES
			Cu<4 and/or 1>Cc>3		GP–GM	POORLY–GRADED GRAVELS, GRAVEL–SAND MIXTURES WITH LITTLE FINES
					GP–GC	POORLY–GRADED GRAVELS, GRAVEL–SAND MIXTURES WITH LITTLE OR NO FINES
		GRAVELS WITH >12% FINES			GM	SILTY GRAVELS, GRAVEL–SILT–SAND MIXTURES
					GC	CLAYEY GRAVELS, GRAVEL–SAND–CLAY MIXTURES
					GC–GM	CLAYEY GRAVELS, GRAVEL–SAND–CLAY–SILT MIXTURES
	SANDS (More than half of coarse fraction is smaller than the #4 sieve)	CLEAN SANDS WITH <5% FINES	Cu≥6 and 1≤Cc≤3		SW	WELL–GRADED SANDS, SAND–GRAVEL MIXTURES WITH LITTLE OR NO FINES
			Cu<6 and/or 1>Cc>3		SP	POORLY–GRADED SANDS, SAND–GRAVEL MIXTURES WITH LITTLE OR NO FINES
		SANDS WITH 5 to 12% FINES	Cu≥6 and 1≤Cc≤3		SW–SM	WELL–GRADED SANDS, SAND–GRAVEL MIXTURES WITH LITTLE FINES
					SW–SC	WELL–GRADED SANDS, SAND–GRAVEL MIXTURES WITH LITTLE CLAY FINES
			Cu<6 and/or 1>Cc>3		SP–SM	POORLY–GRADED SANDS, SAND–GRAVEL MIXTURES WITH LITTLE FINES
					SP–SC	POORLY–GRADED SANDS, SAND–GRAVEL MIXTURES WITH LITTLE CLAY FINES
		SANDS WITH >12% FINES			SM	SILTY SANDS, SAND–GRAVEL–SILT MIXTURES
					SC	CLAYEY SANDS, SAND–GRAVEL–CLAY MIXTURES
					SC–SM	CLAYEY SANDS, SAND–SILT–CLAY MIXTURES
FINE GRAINED SOILS (More than half of material is smaller than #200 sieve)	SILTS AND CLAYS (Liquid limit less than 50)				ML	INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
					CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
					CL–ML	INORGANIC CLAY–SILTS OF LOW PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
					OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Liquid limit greater than 50)				MH	INORGANIC SILTS MICAEOUS OR DIATOMACEOUS FINE SAND OR SILT
					CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
					OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM TO HIGH PLASTICITY

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B1

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	6–12–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	4”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	2’
DRILLING METHOD:	HAND AUGER	**CASING DIAMETER:**	N/A
EQUIPMENT:	HAND AUGER	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
0						ASPHALT 3”
0		1			CL	SANDY CLAY – yellowish brown (10YR 5/4), medium plasticity, stiff, few fine to mediums sand, dry.
		2				Refusal – Piece of concrete
						Boring terminated at 2 feet bgs. Backfilled with neat cement grout.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B2

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12-020-07	**DATE DRILLED:**	6-12-2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	4" and 2.25"
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	15'
DRILLING METHOD:	DIRECT-PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6600 RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						ASPHALT 3"-hand augered to 5 feet bgs
0		1			ML	SANDY SILT - dark gray (2.5YR 4/1), non plastic fines, fine sand, some subrounded gravel to 0.5", dry.
		2				
		3			CL	SILTY, SANDY CLAY - grayish brown (2.5YR 5/2), medium plasticity, hard, few coarse and fine sand, dry.
		4				
0		5				
	GROUT	6				
		7				
		8				
		9				
0		10				Same - hard to very hard
		11				
		12				
		13				
		14				
0		15				
						Boring terminated at 15 feet bgs. Backfilled with neat cement grout.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B3

SEE SITE PLAN FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	6–12–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	4" and 2.25"
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	15.5'
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6600 RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						ASPHALT 3" – hand augered to 5 feet bgs
0		1			ML	SANDY SILT – dark gray (2.5YR 4/1), non plastic fines, fine to very fine sand, few rounded gravel to 1.5", dry.
		2				
		3				
		4				SILTY CLAY – dark gray (2.5YR 4/1), light yellowish brown motling, stiff to hard, low plasticity, few fine sand, dry.
0		5				
		6				
	GROUT	7				
		8				
		9			CL	SILTY CLAY – light yellowish brown (2.5YR 6/4), stiff, medium plasticity, fine sand, dry.
0		10				
		11				
		12				–color change to dark gray (2.5YR 4/1) , hard, medium plasticity, few fine sand, dry.
		13				
		14				
0		15				
						Boring terminated at 15.5 feet bgs. Backfilled with neat cement grout.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B4

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12-020-07	**DATE DRILLED:**	6-12-2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	4" and 2.25"
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	9'
DRILLING METHOD:	DIRECT-PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6600 RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						ASPHALT 3" – hand augered to 5 feet bgs
0		1			ML	SANDY SILT – dark gray (2.5YR 4/1), non plastic fines, fine to very fine sand, few caorse sand, dry.
		2				
		3			CL	SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff, few fine sand, trace rounded gravel to 0.25", dry.
		4				
0		5				
		6				SILTY CLAY – yellowish brown (10YR 5/4), medium plasticity, hard, few subrounded gravel to 0.5", dry.
		7				
		8				–color change to light olive brown (2.5YR 5/4) , hard.
		9				Refusal
						Boring terminated at 9 feet bgs. Backfilled with neat cement grout.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B5

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12-020-07	**DATE DRILLED:**	6-12-2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	4" and 2.25"
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	15'
DRILLING METHOD:	DIRECT-PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6600 RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
	GROUT					ASPHALT 3" – Hand augered to 5 feet bgs
0		1			ML	SANDY SILT – dark gray (2.5YR 4/1), non plastic fines, fine sand, few rounded gravel to 1" diameter, dry.
		2				
		3			CL	SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff, few fine sand, trace rounded gravel to 0.5" diameter, dry.
		4				
0		5				
		6				
		7				SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff, dry.
		8				
		9				
0		10				Same – hard to very hard
		11				
		12				
		13				
		14				
0		15				
						Boring terminated at 15 feet bgs. Backfilled with neat cement grout.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B66

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	8–16–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	2.25”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	16’
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6610 DT RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						CONCRETE 6.5”
		1				SILTY CLAY – dark gray (2.5YR 1/4), yellowish brown motling, medium plasticity, stiff to hard, few rounded gravel to 0.5” diameter, few coarse sand, dry.
		2				
		3				
		4				
		5				SILTY CLAY – dark gray (2.5YR 1/4), medium plasticity, few fine sand, trace coarse sand,dry.
		6				
		7				
		8			CL	
		9				
		10				
		11				
		12				
		13				
		14				– hard, dry
		15				
		16				Boring terminated at 16 feet bgs. Backfilled with soil cuttings.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B67

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	8–16–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	2.25”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	16’
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6610DT RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						CONCRETE 6”
		1			CL	SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff, few rounded gravel to 0.5” diameter, few coarse sand,dry.
		2				
		3				
		4				
		5				
		6				Same – stiff to hard, trace rounded gravel 0.5” diameter, dry.
		7				
		8				
		9				SILTY CLAY – dark gray (2.5 YR 4/1) with light yellowish brown motling, trace rounded gravel to 0.75” diameter, hard, dry.
		10				
		11				
		12	NO RECOVERY			No soil recovery from 12 to 18 feet bgs.
		13				
		14				
		15				
		16				
		17				
		18				–dry.
						Boring terminated at 18 feet bgs. Backfilled with soil cuttings.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B68

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	8–16–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	2.25”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	16’
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6610DT RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						CONCRETE 6”
		1			CL	
		2				SANDY SILT – dark gray (2.5YR 1/4), medium plasticity, stiff, few coarse sand, dry.
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				SILTY CLAY – dark gray (2.5YR 1/4), medium plasticity,stiff to hard, dry.
		11				
		12				
		13				
		14				
		15				–hard, dry.
		16				Boring terminated at 16 feet bgs. Backfilled with soil cuttings.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B69

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	8–16–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	2.25”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	16’
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6610DT RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						CONCRETE 6”
		1			SM	SANDY SILT – dark gray (2.5YR 1/4), fine to very fine sand, loose, non plastic fines, few coarse sand, dry.
		2				
		3			CL	SILTY CLAY – dark gray (2.5YR 4/1), stiff, low plasticity, few fine sand, dry.
		4				
		5				
		6				
		7				–Color change to yellowish brown (10YR 5/4), medium plasticity, stiff, dry.
		8				
		9				
		10				SILTY CLAY – dark gray (2.5YR 1/4), stiff, medium plasticity, dry.
		11				
		12			ML	SANDY SILT – yellowish brown (10YR 5/4), non plastic, very fine sand, dry.
		13			CL	SILTY CLAY – dark gray (2.5YR 4/1), stiff to hard, medium plasticity, dry.
		14				
		15				
		16				Boring terminated at 16 feet bgs. Backfilled with soil cuttings.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B70

SEE SITE PLAN FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	8–16–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	2.25”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	16’
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6610DT RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						CONCRETE 6”
		1				
		2			CL	SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff, few fine sand, dry.
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12			ML	SILT – light yellowish brown (2.5YR 6/4), non plastic, very fine sand, dry.
		13				
		14			CL	SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, few very fine sand, hard, dry.
		15				
		16				Boring terminated at 16 feet bgs. Backfilled with soil cuttings.

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF BORING B71

SEE SITE PLAN
FOR BORING LOCATION

ALISTO PROJECT NO:	12–020–07	**DATE DRILLED:**	8–16–2019
CLIENT:	LAUSD	**BOREHOLE DIAMETER:**	2.25”
LOCATION:	ABRAHAM LINCOLN HIGH SCHOOL	**BOREHOLE DEPTH:**	16’
DRILLING METHOD:	DIRECT–PUSH	**CASING DIAMETER:**	N/A
EQUIPMENT:	GEOPROBE 6610DT RIG	**LOGGED BY:**	H. BARRY
DRILLING COMPANY:	INTERPHASE ENV.	**APPROVED BY:**	H. BARRY

PID VALUES	BORING DIAGRAM	DEPTH FEET	SAMPLE	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						CONCRETE 6.5”
		1			CL	SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff,trace rounded grael to 0.5” diameter, dry.
		2				
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				SILT CLAY – light yellowish brown (2.5YR 6/4), medium plasticity, hard, dry.
		11				
		12				
		13				
		14				SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, hard, dry.
		15				
		16				Boring terminated at 16 feet bgs. Backfilled with soil cuttings.

APPENDIX D

PHOTOGRAPHS

SELECTED PHOTOGRAPHS OF THE PEA-E FIELD ACTIVITIES

Soil Boring B41 – Location Marked (Southeast Corner of the Home Economics Building)

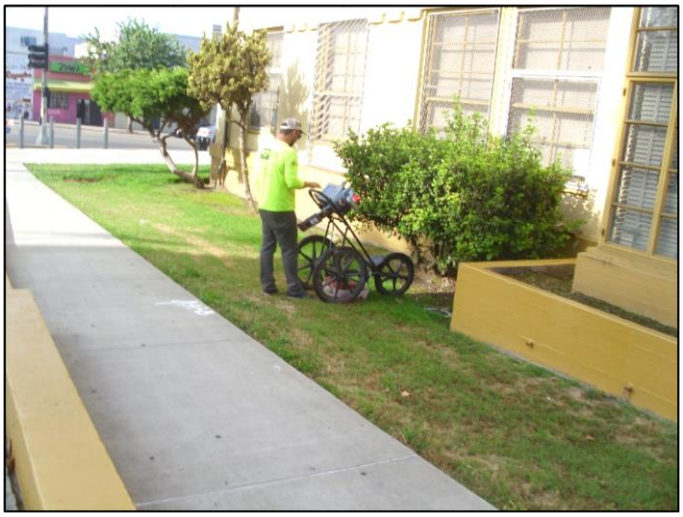
Soil Boring B15 – Location Marking Prior to Underground Utility Clearance

Soil Boring B9 – Location and Underground Utilities Marked

Soil Boring Marked Within the Former Auto Shop (Adjacent to a Former Vehicle Hydraulic Lift)

SELECTED PHOTOGRAPHS OF THE PEA-E FIELD ACTIVITIES

Geophysical Survey - Location of Soil Boring B27 (South of the Administrative Building)



Geophysical Survey - Location of Soil Boring B41-B (East of the Home Economics Building)

Concrete Coring – Soil Boring B63 (Tennis Court)

After Concrete Coring – Soil Boring B63

SELECTED PHOTOGRAPHS OF THE PEA-E FIELD ACTIVITIES

Concrete Coring Within the Former Auto Shop (Adjacent to a Former Vehicle Hydraulic Lift)

After Concrete Coring Within the Former Auto Shop (Adjacent to Former Vehicle Hydraulic Lifts)

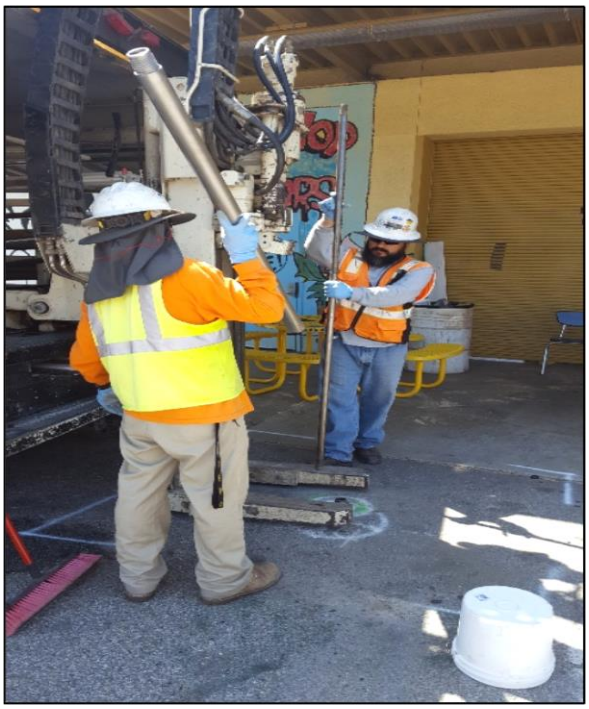
Soil Boring B28 – Hand Augering and Soil Sampling (Southwest of the Music Building)

Hand Augering Boring B4 Before Direct-Push Drilling

SELECTED PHOTOGRAPHS OF THE PEA-E FIELD ACTIVITIES

Direct-Push Drilling

Direct-Push Drilling Within the Former Auto Shop



Direct-Push Drilling Within the Former Auto Shop

Soil Cutting Drum – Investigation-Derived Waste

APPENDIX E

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY RECORDS

INITIAL SAMPLING

July 02, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N035978

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 11, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035978

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment For EPA 6020:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Arsenic and Lead on batch 74235 possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comment For EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Sample N035798-007 surrogate recovery was above laboratory acceptance limit possibly due to matrix interference. Sample results were non-detect (ND) therefore reanalysis of the sample was not necessary.

Analytical Comment For EPA 8260B:

Laboratory Control Sample Duplicate (LCSD) recovery biased high for 1,2,4-Trimethylbenzene and 1,3-Dichloropropane. Sample results were non-detect (ND) for these analytes therefore reanalysis of the samples were not necessary.

ASSET Laboratories

Date: *02-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035978
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N035978-001A	B26@0.5'	Soil	6/10/2019 12:20:00 PM	6/11/2019	7/2/2019
N035978-002A	B26@1.5'	Soil	6/10/2019 12:23:00 PM	6/11/2019	7/2/2019
N035978-003A	B26@3.0'	Soil	6/10/2019 12:26:00 PM	6/11/2019	7/2/2019
N035978-004A	B27@0.5'	Soil	6/10/2019 12:00:00 PM	6/11/2019	7/2/2019
N035978-005A	B27@1.5'	Soil	6/10/2019 12:02:00 PM	6/11/2019	7/2/2019
N035978-006A	B27@3.0'	Soil	6/10/2019 12:05:00 PM	6/11/2019	7/2/2019
N035978-007A	B28@0.5'	Soil	6/10/2019 2:30:00 PM	6/11/2019	7/2/2019
N035978-008A	B28@1.5'	Soil	6/10/2019 2:35:00 PM	6/11/2019	7/2/2019
N035978-009A	B28@3.0'	Soil	6/10/2019 2:40:00 PM	6/11/2019	7/2/2019
N035978-010A	B29@0.5'	Soil	6/10/2019 1:57:00 PM	6/11/2019	7/2/2019
N035978-011A	B29@1.5'	Soil	6/10/2019 2:00:00 PM	6/11/2019	7/2/2019
N035978-012A	B29@3.0'	Soil	6/10/2019 2:08:00 PM	6/11/2019	7/2/2019
N035978-013A	B30@0.5'	Soil	6/10/2019 2:15:00 PM	6/11/2019	7/2/2019
N035978-014A	B30@1.5'	Soil	6/10/2019 2:20:00 PM	6/11/2019	7/2/2019
N035978-015A	B30@3.0'	Soil	6/10/2019 2:25:00 PM	6/11/2019	7/2/2019
N035978-016A	B34@0.5'	Soil	6/10/2019 11:10:00 AM	6/11/2019	7/2/2019
N035978-017A	B34@1.5'	Soil	6/10/2019 11:12:00 AM	6/11/2019	7/2/2019
N035978-018A	B34@3.0'	Soil	6/10/2019 11:15:00 AM	6/11/2019	7/2/2019
N035978-019A	B35@0.5'	Soil	6/10/2019 11:25:00 AM	6/11/2019	7/2/2019
N035978-020A	B35@1.5'	Soil	6/10/2019 11:27:00 AM	6/11/2019	7/2/2019
N035978-021A	B35@3.0'	Soil	6/10/2019 11:35:00 AM	6/11/2019	7/2/2019
N035978-022A	B36@0.5'	Soil	6/10/2019 11:45:00 AM	6/11/2019	7/2/2019
N035978-023A	B36@1.5'	Soil	6/10/2019 11:47:00 AM	6/11/2019	7/2/2019
N035978-024A	B36@3.0'	Soil	6/10/2019 11:50:00 AM	6/11/2019	7/2/2019
N035978-025A	B37@0.5'	Soil	6/10/2019 3:00:00 PM	6/11/2019	7/2/2019
N035978-026A	B37@1.5'	Soil	6/10/2019 3:05:00 PM	6/11/2019	7/2/2019
N035978-027A	B37@3.0'	Soil	6/10/2019 3:10:00 PM	6/11/2019	7/2/2019
N035978-028A	B39@0.5'	Soil	6/10/2019 3:30:00 PM	6/11/2019	7/2/2019
N035978-029A	B39@1.5'	Soil	6/10/2019 3:33:00 PM	6/11/2019	7/2/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035978
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N035978-030A	B39@3.0'	Soil	6/10/2019 3:36:00 PM	6/11/2019	7/2/2019
N035978-031A	QC-1	Soil	6/10/2019	6/11/2019	7/2/2019
N035978-032A	B12@0.5	Soil	6/11/2019 9:10:00 AM	6/11/2019	7/2/2019
N035978-032B	B12@0.5	Soil	6/11/2019 9:10:00 AM	6/11/2019	7/2/2019
N035978-032C	B12@0.5	Soil	6/11/2019 9:10:00 AM	6/11/2019	7/2/2019
N035978-032D	B12@0.5	Soil	6/11/2019 9:10:00 AM	6/11/2019	7/2/2019
N035978-032E	B12@0.5	Soil	6/11/2019 9:10:00 AM	6/11/2019	7/2/2019
N035978-032F	B12@0.5	Soil	6/11/2019 9:10:00 AM	6/11/2019	7/2/2019
N035978-033A	B12@1.5	Soil	6/11/2019 9:15:00 AM	6/11/2019	7/2/2019
N035978-033B	B12@1.5	Soil	6/11/2019 9:15:00 AM	6/11/2019	7/2/2019
N035978-033C	B12@1.5	Soil	6/11/2019 9:15:00 AM	6/11/2019	7/2/2019
N035978-033D	B12@1.5	Soil	6/11/2019 9:15:00 AM	6/11/2019	7/2/2019
N035978-033E	B12@1.5	Soil	6/11/2019 9:15:00 AM	6/11/2019	7/2/2019
N035978-033F	B12@1.5	Soil	6/11/2019 9:15:00 AM	6/11/2019	7/2/2019
N035978-034A	B12@3.0	Soil	6/11/2019 9:25:00 AM	6/11/2019	7/2/2019
N035978-034B	B12@3.0	Soil	6/11/2019 9:25:00 AM	6/11/2019	7/2/2019
N035978-034C	B12@3.0	Soil	6/11/2019 9:25:00 AM	6/11/2019	7/2/2019
N035978-034D	B12@3.0	Soil	6/11/2019 9:25:00 AM	6/11/2019	7/2/2019
N035978-034E	B12@3.0	Soil	6/11/2019 9:25:00 AM	6/11/2019	7/2/2019
N035978-034F	B12@3.0	Soil	6/11/2019 9:25:00 AM	6/11/2019	7/2/2019
N035978-035A	B13@0.5	Soil	6/11/2019 9:58:00 AM	6/11/2019	7/2/2019
N035978-036A	B13@1.5	Soil	6/11/2019 10:18:00 AM	6/11/2019	7/2/2019
N035978-037A	B13@3.0	Soil	6/11/2019 10:22:00 AM	6/11/2019	7/2/2019
N035978-038A	B14@0.5	Soil	6/11/2019 10:50:00 AM	6/11/2019	7/2/2019
N035978-039A	B14@1.5	Soil	6/11/2019 10:55:00 AM	6/11/2019	7/2/2019
N035978-040A	B14@3.0	Soil	6/11/2019 11:00:00 AM	6/11/2019	7/2/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B26@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 12:20:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619A	QC Batch: 74211			PrepDate:	6/14/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 01:42 PM
4,4´-DDE	5.5	2.0		µg/Kg	1	6/19/2019 01:42 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 01:42 PM
Chlordane	ND	8.5		µg/Kg	1	6/19/2019 01:42 PM
Surr: Tetrachloro-m-xylene	63.3	24-109		%REC	1	6/19/2019 01:42 PM
Surr: Decachlorobiphenyl	53.4	23-115		%REC	1	6/19/2019 01:42 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190617B	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **CEI**
Arsenic	6.2	2.5		mg/Kg	5	6/18/2019 12:08 AM
Lead	74	1.2		mg/Kg	5	6/18/2019 12:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B27@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 12:00:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619A	QC Batch: 74211			PrepDate:	6/14/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 03:01 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/19/2019 03:01 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 03:01 PM
Chlordane	ND	8.5		µg/Kg	1	6/19/2019 03:01 PM
Surr: Tetrachloro-m-xylene	46.1	24-109		%REC	1	6/19/2019 03:01 PM
Surr: Decachlorobiphenyl	43.0	23-115		%REC	1	6/19/2019 03:01 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190617B	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **CEI**
Arsenic	7.0	2.5		mg/Kg	5	6/18/2019 12:23 AM
Lead	99	1.2		mg/Kg	5	6/18/2019 12:23 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B28@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 2:30:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619A	QC Batch: 74211			PrepDate:	6/14/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 03:26 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/19/2019 03:26 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 03:26 PM
Chlordane	ND	8.5		µg/Kg	1	6/19/2019 03:26 PM
Surr: Tetrachloro-m-xylene	297	24-109	S	%REC	1	6/19/2019 03:26 PM
Surr: Decachlorobiphenyl	53.5	23-115		%REC	1	6/19/2019 03:26 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190617B	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **CEI**
Arsenic	44	2.5		mg/Kg	5	6/18/2019 12:28 AM
Lead	19	1.2		mg/Kg	5	6/18/2019 12:28 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B29@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 1:57:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619A	QC Batch: 74211			PrepDate:	6/14/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 03:57 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/19/2019 03:57 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 03:57 PM
Chlordane	ND	8.5		µg/Kg	1	6/19/2019 03:57 PM
Surr: Tetrachloro-m-xylene	75.9	24-109		%REC	1	6/19/2019 03:57 PM
Surr: Decachlorobiphenyl	49.7	23-115		%REC	1	6/19/2019 03:57 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	75	0.50		mg/Kg	1	6/23/2019 07:13 PM
Lead	21	0.25		mg/Kg	1	6/23/2019 07:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B30@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 2:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 08:56 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/19/2019 08:56 PM
4,4´-DDT	7.3	2.0		µg/Kg	1	6/19/2019 08:56 PM
Chlordane	28	8.6		µg/Kg	1	6/19/2019 08:56 PM
Surr: Tetrachloro-m-xylene	72.8	24-109		%REC	1	6/19/2019 08:56 PM
Surr: Decachlorobiphenyl	81.4	23-115		%REC	1	6/19/2019 08:56 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	11	0.50		mg/Kg	1	6/23/2019 07:17 PM
Lead	31	0.25		mg/Kg	1	6/24/2019 10:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B34@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 11:10:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 10:14 PM
4,4´-DDE	2.3	2.0		µg/Kg	1	6/19/2019 10:14 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 10:14 PM
Chlordane	16	8.5		µg/Kg	1	6/19/2019 10:14 PM
Surr: Tetrachloro-m-xylene	73.0	24-109		%REC	1	6/19/2019 10:14 PM
Surr: Decachlorobiphenyl	40.0	23-115		%REC	1	6/19/2019 10:14 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	9.1	0.50		mg/Kg	1	6/23/2019 07:21 PM
Lead	7.1	0.25		mg/Kg	1	6/23/2019 07:21 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B35@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 11:25:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 10:41 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/19/2019 10:41 PM
4,4´-DDT	2.5	2.0		µg/Kg	1	6/19/2019 10:41 PM
Chlordane	32	8.5		µg/Kg	1	6/19/2019 10:41 PM
Surr: Tetrachloro-m-xylene	56.3	24-109		%REC	1	6/19/2019 10:41 PM
Surr: Decachlorobiphenyl	38.7	23-115		%REC	1	6/19/2019 10:41 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	10	0.50		mg/Kg	1	6/23/2019 07:25 PM
Lead	47	0.25		mg/Kg	1	6/23/2019 07:25 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B36@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 11:45:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-022		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 11:07 PM
4,4´-DDE	9.1	2.0		µg/Kg	1	6/19/2019 11:07 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 11:07 PM
Chlordane	41	8.6		µg/Kg	1	6/19/2019 11:07 PM
Surr: Tetrachloro-m-xylene	58.2	24-109		%REC	1	6/19/2019 11:07 PM
Surr: Decachlorobiphenyl	25.7	23-115		%REC	1	6/19/2019 11:07 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	3.1	0.50		mg/Kg	1	6/23/2019 07:29 PM
Lead	18	0.25		mg/Kg	1	6/23/2019 07:29 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Lab Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N035978-025

Client Sample ID: B37@0.5'
Collection Date: 6/10/2019 3:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243				PrepDate: 6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 11:33 PM
4,4´-DDE	2.9	2.0		µg/Kg	1	6/19/2019 11:33 PM
4,4´-DDT	2.1	2.0		µg/Kg	1	6/19/2019 11:33 PM
Chlordane	ND	8.5		µg/Kg	1	6/19/2019 11:33 PM
Surr: Tetrachloro-m-xylene	45.5	24-109		%REC	1	6/19/2019 11:33 PM
Surr: Decachlorobiphenyl	32.3	23-115		%REC	1	6/19/2019 11:33 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	13	0.50		mg/Kg	1	6/23/2019 07:33 PM
Lead	60	0.25		mg/Kg	1	6/23/2019 07:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B39@0.5'
Lab Order:	N035978	**Collection Date:**	6/10/2019 3:30:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-028		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/19/2019 11:59 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/19/2019 11:59 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/19/2019 11:59 PM
Chlordane	ND	8.6		µg/Kg	1	6/19/2019 11:59 PM
Surr: Tetrachloro-m-xylene	60.2	24-109		%REC	1	6/19/2019 11:59 PM
Surr: Decachlorobiphenyl	49.4	23-115		%REC	1	6/19/2019 11:59 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	4.4	0.50		mg/Kg	1	6/23/2019 07:37 PM
Lead	21	0.25		mg/Kg	1	6/24/2019 10:40 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Client Sample ID: QC-1
Lab Order: N035978
Collection Date: 6/10/2019
Project: PEA-E: Abraham Lincoln High School, 12-020-
Matrix: SOIL
Lab ID: N035978-031

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243				PrepDate: 6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 12:26 AM
4,4´-DDE	5.6	2.0		µg/Kg	1	6/20/2019 12:26 AM
4,4´-DDT	2.9	2.0		µg/Kg	1	6/20/2019 12:26 AM
Chlordane	10	8.5		µg/Kg	1	6/20/2019 12:26 AM
Surr: Tetrachloro-m-xylene	51.2	24-109		%REC	1	6/20/2019 12:26 AM
Surr: Decachlorobiphenyl	35.7	23-115		%REC	1	6/20/2019 12:26 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	8.7	0.50		mg/Kg	1	6/23/2019 07:41 PM
Lead	38	0.25		mg/Kg	1	6/23/2019 07:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B12@0.5
Lab Order:	N035978	**Collection Date:**	6/11/2019 9:10:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-032		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190612B	QC Batch: CA19VS110			PrepDate:	6/12/2019	Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,1,1-Trichloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,1,2,2-Tetrachloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,1,2-Trichloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,1-Dichloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,1-Dichloroethene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,1-Dichloropropene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2,3-Trichlorobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2,3-Trichloropropane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2,4-Trichlorobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2,4-Trimethylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2-Dibromo-3-chloropropane	ND	9.4		µg/Kg	1	6/12/2019 04:16 PM
1,2-Dibromoethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2-Dichlorobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2-Dichloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,2-Dichloropropane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,3,5-Trimethylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,3-Dichlorobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,3-Dichloropropane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
1,4-Dichlorobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
2,2-Dichloropropane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
2-Butanone	ND	47		µg/Kg	1	6/12/2019 04:16 PM
2-Chlorotoluene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
4-Chlorotoluene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
4-Isopropyltoluene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Benzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Bromobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Bromodichloromethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Bromoform	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Bromomethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Carbon tetrachloride	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Chlorobenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Chloroethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Chloroform	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Chloromethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
cis-1,2-Dichloroethene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N035978-032

Client Sample ID: B12@0.5
Collection Date: 6/11/2019 9:10:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190612B	QC Batch: CA19VS110			PrepDate:	6/12/2019	Analyst: **AW**
cis-1,3-Dichloropropene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Dibromochloromethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Dibromomethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Dichlorodifluoromethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Ethylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Freon-113	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Hexachlorobutadiene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Isopropylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
m,p-Xylene	ND	9.4		µg/Kg	1	6/12/2019 04:16 PM
Methylene chloride	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
MTBE	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
n-Butylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
n-Propylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Naphthalene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
o-Xylene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
sec-Butylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Styrene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
tert-Butylbenzene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Tetrachloroethene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Toluene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
trans-1,2-Dichloroethene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Trichloroethene	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Trichlorofluoromethane	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Vinyl chloride	ND	4.7		µg/Kg	1	6/12/2019 04:16 PM
Surr: 1,2-Dichloroethane-d4	145	70-156		%REC	1	6/12/2019 04:16 PM
Surr: 4-Bromofluorobenzene	86.8	73-129		%REC	1	6/12/2019 04:16 PM
Surr: Dibromofluoromethane	119	73-146		%REC	1	6/12/2019 04:16 PM
Surr: Toluene-d8	97.9	80-120		%REC	1	6/12/2019 04:16 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3550B			**EPA 8015B**		
RunID: NV00922-GC10_190615A	QC Batch: 74219			PrepDate:	6/14/2019	Analyst: **LLR**
DRO	ND	10		mg/Kg	1	6/16/2019 07:02 AM
ORO	ND	10		mg/Kg	1	6/16/2019 07:02 AM
Surr: p-Terphenyl	106	56-133		%REC	1	6/16/2019 07:02 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B12@0.5
Lab Order:	N035978	**Collection Date:**	6/11/2019 9:10:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-032		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 12:52 AM
4,4´-DDE	4.4	2.0		µg/Kg	1	6/20/2019 12:52 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 12:52 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 12:52 AM
Surr: Tetrachloro-m-xylene	50.0	24-109		%REC	1	6/20/2019 12:52 AM
Surr: Decachlorobiphenyl	39.5	23-115		%REC	1	6/20/2019 12:52 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190614A	QC Batch: E19VS092			PrepDate:	6/14/2019	Analyst: **QBM**
GRO	ND	0.93		mg/Kg	1	6/14/2019 07:21 PM
Surr: Chlorobenzene - d5	115	47-163		%REC	1	6/14/2019 07:21 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	6.5	0.50		mg/Kg	1	6/23/2019 08:05 PM
Lead	82	0.25		mg/Kg	1	6/23/2019 08:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B13@0.5
Lab Order:	N035978	**Collection Date:**	6/11/2019 9:58:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-035		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	6.1	0.50		mg/Kg	1	6/23/2019 08:09 PM
Lead	76	0.25		mg/Kg	1	6/23/2019 08:09 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B14@0.5
Lab Order:	N035978	**Collection Date:**	6/11/2019 10:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035978-038		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190623A	QC Batch: 74235				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	6.2	0.50		mg/Kg	1	6/23/2019 08:13 PM
Lead	33	0.25		mg/Kg	1	6/23/2019 08:13 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74235** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134583**
Client ID: **PBS** Batch ID: **74235** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/17/2019** SeqNo: **3415900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74235** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134583**
Client ID: **LCSS** Batch ID: **74235** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/17/2019** SeqNo: **3415901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.268	0.50	5.000	0	105	85	115				
Lead	4.529	0.25	5.000	0	90.6	85	115				

Sample ID: **N036084-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134583**
Client ID: **ZZZZZZ** Batch ID: **74235** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/17/2019** SeqNo: **3415905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	6.903	2.5	4.988	3.513	68.0	75	125				S
Lead	9.580	1.2	4.988	7.087	50.0	75	125				S

Sample ID: **N036084-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134583**
Client ID: **ZZZZZZ** Batch ID: **74235** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/18/2019** SeqNo: **3415906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	6.519	2.5	4.985	3.513	60.3	75	125	6.903	5.72	20	S
Lead	9.439	1.2	4.985	7.087	47.2	75	125	9.580	1.48	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74219** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134546**
Client ID: **PBS** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/16/2019** SeqNo: **3413879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	6.169	10									
Surr: p-Terphenyl	100.587		80.00		126	56	133				

Sample ID: **N035972-001B-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134546**
Client ID: **ZZZZZZ** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/16/2019** SeqNo: **3413882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1186.022	10	998.0	0	119	46	142				
Surr: p-Terphenyl	87.263		79.84		109	56	133				

Sample ID: **N035972-001B-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134546**
Client ID: **ZZZZZZ** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/16/2019** SeqNo: **3413883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1156.946	9.9	991.1	0	117	46	142	1186	2.48	20	
Surr: p-Terphenyl	80.067		79.29		101	56	133		0		

Sample ID: **LCS-74219** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134576**
Client ID: **LCSS** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/18/2019** SeqNo: **3414580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	979.723	10	1000	0	98.0	69	123				
Surr: p-Terphenyl	92.710		80.00		116	56	133				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190614LCS** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134535**
Client ID: **LCSS** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412409**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.623	1.0	5.000	0	92.5	72	136				
Surr: Chlorobenzene - d5	92.299		100.0		92.3	47	163				

Sample ID: **E190614MB1** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134535**
Client ID: **PBS** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	109.880		100.0		110	47	163				

Sample ID: **N036015-002AMS** SampType: **MS** TestCode: **8015GAS_503** Units: **mg/Kg-dry** Prep Date: RunNo: **134535**
Client ID: **ZZZZZZ** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.141	1.1	5.340	0	96.3	43	153				
Surr: Chlorobenzene - d5	108.239		106.8		101	47	163				

Sample ID: **N036015-002AMSD** SampType: **MSD** TestCode: **8015GAS_503** Units: **mg/Kg-dry** Prep Date: RunNo: **134535**
Client ID: **ZZZZZZ** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412417**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.850	1.1	5.340	0	90.8	43	153	5.141	5.82	20	
Surr: Chlorobenzene - d5	104.508		106.8		97.8	47	163		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74211_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134592**
Client ID: **LCSS** Batch ID: **74211** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.257	2.0	16.67	0	91.5	57	132				
4,4´-DDE	14.586	2.0	16.67	0	87.5	52	129				
4,4´-DDT	15.002	2.0	16.67	0	90.0	57	131				
Surr: Tetrachloro-m-xylene	12.334		16.67		74.0	24	109				
Surr: Decachlorobiphenyl	12.415		16.67		74.5	23	115				

Sample ID: **MB-74211** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134592**
Client ID: **PBS** Batch ID: **74211** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415341**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.886		16.67		71.3	24	109				
Surr: Decachlorobiphenyl	11.549		16.67		69.3	23	115				

Sample ID: **N035978-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134592**
Client ID: **ZZZZZZ** Batch ID: **74211** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	9.352	2.0	16.65	0	56.2	57	132				S
4,4´-DDE	13.548	2.0	16.65	5.496	48.4	52	129				S
4,4´-DDT	7.363	2.0	16.65	1.412	35.7	57	131				S
Surr: Tetrachloro-m-xylene	9.523		16.65		57.2	24	109				
Surr: Decachlorobiphenyl	7.038		16.65		42.3	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N035978-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134592**
Client ID: **ZZZZZZ** Batch ID: **74211** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	11.013	2.0	16.71	0	65.9	57	132	9.352	16.3	20	
4,4´-DDE	16.792	2.0	16.71	5.496	67.6	52	129	13.55	21.4	20	R
4,4´-DDT	10.754	2.0	16.71	1.412	55.9	57	131	7.363	37.4	20	SR
Surr: Tetrachloro-m-xylene	10.161		16.71		60.8	24	109		0		
Surr: Decachlorobiphenyl	8.416		16.71		50.4	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74243_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **LCSS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.928	2.0	16.67	0	95.5	57	132				
4,4´-DDE	15.175	2.0	16.67	0	91.0	52	129				
4,4´-DDT	15.073	2.0	16.67	0	90.4	57	131				
Surr: Tetrachloro-m-xylene	12.548		16.67		75.3	24	109				
Surr: Decachlorobiphenyl	12.560		16.67		75.3	23	115				

Sample ID: **MB-74243** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **PBS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.535		16.67		75.2	24	109				
Surr: Decachlorobiphenyl	12.243		16.67		73.4	23	115				

Sample ID: **N035978-013A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	20.310	2.0	16.69	0	122	57	132				
4,4´-DDE	15.389	2.0	16.69	0	92.2	52	129				
4,4´-DDT	15.490	2.0	16.69	7.305	49.0	57	131				S
Surr: Tetrachloro-m-xylene	12.001		16.69		71.9	24	109				
Surr: Decachlorobiphenyl	10.933		16.69		65.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N035978-013A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	19.788	2.0	16.78	0	118	57	132	20.31	2.61	20	
4,4´-DDE	14.097	2.0	16.78	0	84.0	52	129	15.39	8.76	20	
4,4´-DDT	14.018	2.0	16.78	7.305	40.0	57	131	15.49	9.98	20	S
Surr: Tetrachloro-m-xylene	11.117		16.78		66.2	24	109		0		
Surr: Decachlorobiphenyl	10.513		16.78		62.6	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **LCSS** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	38.750	5.0	40.00	0	96.9	78	127				
1,1,1-Trichloroethane	39.140	5.0	40.00	0	97.9	75	128				
1,1,2,2-Tetrachloroethane	44.680	5.0	40.00	0	112	78	126				
1,1,2-Trichloroethane	37.490	5.0	40.00	0	93.7	80	120				
1,1-Dichloroethane	41.240	5.0	40.00	0	103	65	136				
1,1-Dichloroethene	39.330	5.0	40.00	0	98.3	66	134				
1,1-Dichloropropene	41.970	5.0	40.00	0	105	79	128				
1,2,3-Trichlorobenzene	39.510	5.0	40.00	0	98.8	80	120				
1,2,3-Trichloropropane	39.300	5.0	40.00	0	98.2	79	123				
1,2,4-Trichlorobenzene	41.070	5.0	40.00	0	103	74	121				
1,2,4-Trimethylbenzene	50.570	5.0	40.00	0	126	79	128				
1,2-Dibromo-3-chloropropane	40.050	10	40.00	0	100	65	131				
1,2-Dibromoethane	36.650	5.0	40.00	0	91.6	79	124				
1,2-Dichlorobenzene	40.850	5.0	40.00	0	102	80	120				
1,2-Dichloroethane	37.050	5.0	40.00	0	92.6	80	120				
1,2-Dichloropropane	41.020	5.0	40.00	0	103	80	120				
1,3,5-Trimethylbenzene	48.210	5.0	40.00	0	121	76	129				
1,3-Dichlorobenzene	42.600	5.0	40.00	0	106	80	120				
1,3-Dichloropropane	46.560	5.0	40.00	0	116	80	120				
1,4-Dichlorobenzene	41.210	5.0	40.00	0	103	80	120				
2,2-Dichloropropane	41.480	5.0	40.00	0	104	66	136				
2-Butanone	564.850	50	400.0	0	141	54	145				
2-Chlorotoluene	45.640	5.0	40.00	0	114	78	124				
4-Chlorotoluene	46.890	5.0	40.00	0	117	79	125				
4-Isopropyltoluene	47.180	5.0	40.00	0	118	75	130				
Benzene	43.450	5.0	40.00	0	109	80	120				
Bromobenzene	42.780	5.0	40.00	0	107	80	120				
Bromodichloromethane	37.230	5.0	40.00	0	93.1	80	127				
Bromoform	39.020	5.0	40.00	0	97.6	67	136				
Bromomethane	33.720	5.0	40.00	0	84.3	45	148				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **LCSS** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	38.140	5.0	40.00	0	95.4	75	137				
Chlorobenzene	40.270	5.0	40.00	0	101	80	120				
Chloroethane	44.630	5.0	40.00	0	112	64	145				
Chloroform	40.530	5.0	40.00	0	101	75	120				
Chloromethane	43.560	5.0	40.00	0	109	58	139				
cis-1,2-Dichloroethene	40.580	5.0	40.00	0	101	76	120				
cis-1,3-Dichloropropene	43.720	5.0	40.00	0	109	77	128				
Dibromochloromethane	36.610	5.0	40.00	0	91.5	79	124				
Dibromomethane	36.730	5.0	40.00	0	91.8	80	120				
Dichlorodifluoromethane	47.080	5.0	40.00	0	118	64	137				
Ethylbenzene	43.510	5.0	40.00	0	109	79	120				
Freon-113	39.010	5.0	40.00	0	97.5	58	141				
Hexachlorobutadiene	38.910	5.0	40.00	0	97.3	72	126				
Isopropylbenzene	46.740	5.0	40.00	0	117	62	130				
m,p-Xylene	85.470	10	80.00	0	107	80	124				
Methylene chloride	42.630	5.0	40.00	0	107	65	136				
MTBE	40.030	5.0	40.00	0	100	65	130				
n-Butylbenzene	47.170	5.0	40.00	0	118	76	133				
n-Propylbenzene	48.180	5.0	40.00	0	120	76	131				
Naphthalene	41.390	5.0	40.00	0	103	58	127				
o-Xylene	41.230	5.0	40.00	0	103	75	121				
sec-Butylbenzene	45.650	5.0	40.00	0	114	76	133				
Styrene	46.020	5.0	40.00	0	115	80	120				
tert-Butylbenzene	47.240	5.0	40.00	0	118	73	130				
Tetrachloroethene	41.540	5.0	40.00	0	104	77	124				
Toluene	40.730	5.0	40.00	0	102	79	120				
trans-1,2-Dichloroethene	42.220	5.0	40.00	0	106	72	129				
Trichloroethene	38.990	5.0	40.00	0	97.5	80	120				
Trichlorofluoromethane	46.470	5.0	40.00	0	116	66	146				
Vinyl chloride	42.190	5.0	40.00	0	105	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **LCSS** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	49.100		50.00		98.2	70	156				
Surr: 4-Bromofluorobenzene	54.490		50.00		109	73	129				
Surr: Dibromofluoromethane	50.520		50.00		101	73	146				
Surr: Toluene-d8	52.520		50.00		105	80	120				

Sample ID: **CA190612-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **LCSS02** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	40.840	5.0	40.00	0	102	78	127	38.75	5.25	20	
1,1,1-Trichloroethane	42.290	5.0	40.00	0	106	75	128	39.14	7.74	20	
1,1,2,2-Tetrachloroethane	44.090	5.0	40.00	0	110	78	126	44.68	1.33	20	
1,1,2-Trichloroethane	37.860	5.0	40.00	0	94.6	80	120	37.49	0.982	20	
1,1-Dichloroethane	45.160	5.0	40.00	0	113	65	136	41.24	9.07	20	
1,1-Dichloroethene	40.860	5.0	40.00	0	102	66	134	39.33	3.82	20	
1,1-Dichloropropene	43.470	5.0	40.00	0	109	79	128	41.97	3.51	20	
1,2,3-Trichlorobenzene	39.930	5.0	40.00	0	99.8	80	120	39.51	1.06	20	
1,2,3-Trichloropropane	42.870	5.0	40.00	0	107	79	123	39.30	8.69	20	
1,2,4-Trichlorobenzene	40.470	5.0	40.00	0	101	74	121	41.07	1.47	20	
1,2,4-Trimethylbenzene	52.210	5.0	40.00	0	131	79	128	50.57	3.19	20	S
1,2-Dibromo-3-chloropropane	36.230	10	40.00	0	90.6	65	131	40.05	10.0	20	
1,2-Dibromoethane	37.460	5.0	40.00	0	93.6	79	124	36.65	2.19	20	
1,2-Dichlorobenzene	43.380	5.0	40.00	0	108	80	120	40.85	6.01	20	
1,2-Dichloroethane	37.670	5.0	40.00	0	94.2	80	120	37.05	1.66	20	
1,2-Dichloropropane	43.250	5.0	40.00	0	108	80	120	41.02	5.29	20	
1,3,5-Trimethylbenzene	49.370	5.0	40.00	0	123	76	129	48.21	2.38	20	
1,3-Dichlorobenzene	42.830	5.0	40.00	0	107	80	120	42.60	0.538	20	
1,3-Dichloropropane	48.260	5.0	40.00	0	121	80	120	46.56	3.59	20	S
1,4-Dichlorobenzene	42.080	5.0	40.00	0	105	80	120	41.21	2.09	20	
2,2-Dichloropropane	44.280	5.0	40.00	0	111	66	136	41.48	6.53	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **LCSS02** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	541.300	50	400.0	0	135	54	145	564.8	4.26	20	
2-Chlorotoluene	46.430	5.0	40.00	0	116	78	124	45.64	1.72	20	
4-Chlorotoluene	46.000	5.0	40.00	0	115	79	125	46.89	1.92	20	
4-Isopropyltoluene	50.170	5.0	40.00	0	125	75	130	47.18	6.14	20	
Benzene	42.620	5.0	40.00	0	107	80	120	43.45	1.93	20	
Bromobenzene	42.260	5.0	40.00	0	106	80	120	42.78	1.22	20	
Bromodichloromethane	38.190	5.0	40.00	0	95.5	80	127	37.23	2.55	20	
Bromoform	41.250	5.0	40.00	0	103	67	136	39.02	5.56	20	
Bromomethane	32.690	5.0	40.00	0	81.7	45	148	33.72	3.10	20	
Carbon tetrachloride	39.540	5.0	40.00	0	98.8	75	137	38.14	3.60	20	
Chlorobenzene	40.450	5.0	40.00	0	101	80	120	40.27	0.446	20	
Chloroethane	47.750	5.0	40.00	0	119	64	145	44.63	6.75	20	
Chloroform	42.190	5.0	40.00	0	105	75	120	40.53	4.01	20	
Chloromethane	44.570	5.0	40.00	0	111	58	139	43.56	2.29	20	
cis-1,2-Dichloroethene	43.900	5.0	40.00	0	110	76	120	40.58	7.86	20	
cis-1,3-Dichloropropene	42.020	5.0	40.00	0	105	77	128	43.72	3.97	20	
Dibromochloromethane	40.660	5.0	40.00	0	102	79	124	36.61	10.5	20	
Dibromomethane	38.900	5.0	40.00	0	97.3	80	120	36.73	5.74	20	
Dichlorodifluoromethane	49.120	5.0	40.00	0	123	64	137	47.08	4.24	20	
Ethylbenzene	45.090	5.0	40.00	0	113	79	120	43.51	3.57	20	
Freon-113	40.960	5.0	40.00	0	102	58	141	39.01	4.88	20	
Hexachlorobutadiene	40.050	5.0	40.00	0	100	72	126	38.91	2.89	20	
Isopropylbenzene	47.810	5.0	40.00	0	120	62	130	46.74	2.26	20	
m,p-Xylene	89.820	10	80.00	0	112	80	124	85.47	4.96	20	
Methylene chloride	44.680	5.0	40.00	0	112	65	136	42.63	4.70	20	
MTBE	44.030	5.0	40.00	0	110	65	130	40.03	9.52	20	
n-Butylbenzene	48.180	5.0	40.00	0	120	76	133	47.17	2.12	20	
n-Propylbenzene	48.890	5.0	40.00	0	122	76	131	48.18	1.46	20	
Naphthalene	42.030	5.0	40.00	0	105	58	127	41.39	1.53	20	
o-Xylene	41.830	5.0	40.00	0	105	75	121	41.23	1.44	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **LCSS02** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	47.380	5.0	40.00	0	118	76	133	45.65	3.72	20	
Styrene	44.900	5.0	40.00	0	112	80	120	46.02	2.46	20	
tert-Butylbenzene	48.380	5.0	40.00	0	121	73	130	47.24	2.38	20	
Tetrachloroethene	43.310	5.0	40.00	0	108	77	124	41.54	4.17	20	
Toluene	41.570	5.0	40.00	0	104	79	120	40.73	2.04	20	
trans-1,2-Dichloroethene	43.740	5.0	40.00	0	109	72	129	42.22	3.54	20	
Trichloroethene	39.810	5.0	40.00	0	99.5	80	120	38.99	2.08	20	
Trichlorofluoromethane	50.580	5.0	40.00	0	126	66	146	46.47	8.47	20	
Vinyl chloride	44.310	5.0	40.00	0	111	68	141	42.19	4.90	20	
Surr: 1,2-Dichloroethane-d4	50.680		50.00		101	70	156		0		
Surr: 4-Bromofluorobenzene	50.180		50.00		100	73	129		0		
Surr: Dibromofluoromethane	52.060		50.00		104	73	146		0		
Surr: Toluene-d8	52.080		50.00		104	80	120		0		

Sample ID: **CA190612-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **PBS** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **PBS** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035978
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190612-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134463**
Client ID: **PBS** Batch ID: **CA19VS110** TestNo: **EPA 8260B** Analysis Date: **6/12/2019** SeqNo: **3408853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	51.970		50.00		104	70	156				
Surr: 4-Bromofluorobenzene	50.080		50.00		100	73	129				
Surr: Dibromofluoromethane	52.500		50.00		105	73	146				
Surr: Toluene-d8	51.870		50.00		104	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B26e 0.5'	6/10/2019	1220	1	Soil	X	X				X					N035978-01	
B26e 1.5'		1223	1												-02	Hold
B26e 3.0'		1226	1												-03	Hold
B27e 0.5'		1200	1		X	X				X					-04	
B27e 1.5'		1202	1												-05	Hold
B27e 3.0'		1205	1												-06	Hold
B28e 0.5'		1430	1		X	X				X					-07	
B28e 1.5'		1435	1												-08	Hold
B28e 3.0'		1440	1												-09	Hold
B29e 0.5'		1357	1		X	X				X					-10	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/11/19	1140	[signature] Karla Sevilla	6/11/19	1140
[signature] Karla Sevilla	6/11/19	1300	[signature] MARIANNE SANTOS	6/11/19	1300
[signature] MARIANNE SANTOS	6/11/19	1700	[signature]	Date: 6/12/19	Time: 08:12

SPECIAL INSTRUCTIONS:

IR#2 2.1 GFO# 2030

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abrahanm Lincoln HS - PEA-E

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B29 @ 1.5'	6/10/2019	1400	1	Soil								N035978-			11	Hold
B29 @ 3.0'		1408	1												12	Hold
B30 @ 0.5'		1415	1		X	X				X					13	
B30 @ 1.5'		1420	1												14	Hold
B30 @ 3.0'		1425	1												15	Hold
B34 @ 0.5'		1110	1		X	X				X					16	
B34 @ 1.5'		1112	1												17	Hold
B34 @ 3.0'		1115	1												18	Hold
B35 @ 0.5'		1125	1		X	X				X					19	
B35 @ 1.5'		1127	1												20	Hold

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/11/19	1140	[signature] Karla Sevilla	6/11/19	1140
[signature] Karla Sevilla	6/11/19	1300	[signature] MARIANNE SANTOS	6/11/19	1300
[signature] MARIANNE SANTOS	6/11/19	1700	[signature]	6/12/19	0812

SPECIAL INSTRUCTIONS:

IL#2 2.1 LSO# 2088

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com
Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B35@3.0'	6/10/2019	1135	1	Soil								N035978			-21	Hold
B36@0.5'		1145	1		X	X				X					-22	
B36@1.5'		1147	1												-23	Hold
B36@3.0'		1150	1												-24	Hold
B37@0.5'		1500	1		X	X				X					-25	
B37@1.5'		1505	1												-26	Hold
B37@3.0'		1510	1												-27	Hold
B39@0.5'		1530	1		X	X				X					-28	
B39@1.5'		1533	1												-29	Hold
B39@3.0'		1536	1												-30	Hold

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/11/19	1140	[signature] Karla Sevilla	6/11/19	1140
[signature] Karla Sevilla	6/11/19	1300	[signature] MARIANNE SANTOS	6/11/19	1300
[signature] MARIANNE SANTOS	6/11/19	1700	[signature]	6/12/19	0012

SPECIAL INSTRUCTIONS:

TL#2 2.1 GEO#2030

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M gas / MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
QC-1	6/10/2019		1	Soil	X	X				X		N035978			-31	
B12@0.5	6/11/19	0910	6	Soil	X	X		X		X		X			-32	
B12@1.5	6/11/19	0915	6	Soil	X	X		X		X		X			-33	ON HOLD
B12@3.0	6/11/19	0925	6	Soil	X	X		X		X		X			-34	ON HOLD
B13@0.5	6/11/19	0958	1	Soil	X	X									-35	
B13@1.5	6/11/19	1018	1	Soil	X	X									-36	ON HOLD
B13@3.0	6/11/19	1022	1	Soil	X	X									-37	ON HOLD
B14@0.5	6/11/19	1038	1	Soil	X	X									-38	
B14@1.5	6/11/19	1055	1	Soil	X	X									-39	ON HOLD
B14@3.0	6/11/19	1100	1	Soil	X	X									-40	ON HOLD

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/11/19	1140	Karla Sevilla	6/11/19	1140
Karla Sevilla	6/11/19	1300	MARIANNE SANTOS	6/11/19	1300
MARIANNE SANTOS	6/11/19	1700	[illegible]	6/12/19	0812

SPECIAL INSTRUCTIONS:

IR #2 2.1 GEO# 2038

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/11/2019	Workorder:	N035978
Rep sample Temp (Deg C):	2.1	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	2038	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: RM YRJ 6/12/2019

Reviewed By: 6/18/2019

ASSET Laboratories

WORK ORDER Summary

12-Jun-19

WorkOrder: N035978

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/11/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035978-001A	B26@0.5'	6/10/2019 12:20:00 PM	6/18/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-002A	B26@1.5'	6/10/2019 12:23:00 PM					☐	☐	☐	WS
N035978-003A	B26@3.0'	6/10/2019 12:26:00 PM					☐	☐	☐	WS
N035978-004A	B27@0.5'	6/10/2019 12:00:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-005A	B27@1.5'	6/10/2019 12:02:00 PM					☐	☐	☐	WS
N035978-006A	B27@3.0'	6/10/2019 12:05:00 PM					☐	☐	☐	WS
N035978-007A	B28@0.5'	6/10/2019 2:30:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-008A	B28@1.5'	6/10/2019 2:35:00 PM					☐	☐	☐	WS
N035978-009A	B28@3.0'	6/10/2019 2:40:00 PM					☐	☐	☐	WS
N035978-010A	B29@0.5'	6/10/2019 1:57:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

12-Jun-19

WorkOrder: N035978

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/11/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035978-010A	B29@0.5'	6/10/2019 1:57:00 PM	6/18/2019	Soil	EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-011A	B29@1.5'	6/10/2019 2:00:00 PM					☐	☐	☐	WS
N035978-012A	B29@3.0'	6/10/2019 2:08:00 PM					☐	☐	☐	WS
N035978-013A	B30@0.5'	6/10/2019 2:15:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-014A	B30@1.5'	6/10/2019 2:20:00 PM					☐	☐	☐	WS
N035978-015A	B30@3.0'	6/10/2019 2:25:00 PM					☐	☐	☐	WS
N035978-016A	B34@0.5'	6/10/2019 11:10:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-017A	B34@1.5'	6/10/2019 11:12:00 AM					☐	☐	☐	WS
N035978-018A	B34@3.0'	6/10/2019 11:15:00 AM					☐	☐	☐	WS
N035978-019A	B35@0.5'	6/10/2019 11:25:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-020A	B35@1.5'	6/10/2019 11:27:00 AM					☐	☐	☐	WS
N035978-021A	B35@3.0'	6/10/2019 11:35:00 AM					☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

12-Jun-19

WorkOrder: N035978

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/11/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035978-022A	B36@0.5'	6/10/2019 11:45:00 AM	6/18/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-023A	B36@1.5'	6/10/2019 11:47:00 AM					☐	☐	☐	WS
N035978-024A	B36@3.0'	6/10/2019 11:50:00 AM					☐	☐	☐	WS
N035978-025A	B37@0.5'	6/10/2019 3:00:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-026A	B37@1.5'	6/10/2019 3:05:00 PM					☐	☐	☐	WS
N035978-027A	B37@3.0'	6/10/2019 3:10:00 PM					☐	☐	☐	WS
N035978-028A	B39@0.5'	6/10/2019 3:30:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-029A	B39@1.5'	6/10/2019 3:33:00 PM					☐	☐	☐	WS
N035978-030A	B39@3.0'	6/10/2019 3:36:00 PM					☐	☐	☐	WS
N035978-031A	QC-1	6/10/2019	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

12-Jun-19

WorkOrder: N035978

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/11/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035978-031A	QC-1	6/10/2019	6/18/2019	Soil	EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035978-032A	B12@0.5	6/11/2019 9:10:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/18/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
			6/18/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035978-032B			6/18/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/18/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N035978-032C							☐	☐	☐	V-CA
N035978-032D			6/18/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/18/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N035978-032E							☐	☐	☐	VS
N035978-032F							☐	☐	☐	V-CA
N035978-033A	B12@1.5	6/11/2019 9:15:00 AM					☐	☐	☐	WS
N035978-033B							☐	☐	☐	V-CA
N035978-033C							☐	☐	☐	V-CA
N035978-033D							☐	☐	☐	VS
N035978-033E							☐	☐	☐	VS
N035978-033F							☐	☐	☐	V-CA

ASSET Laboratories

WORK ORDER Summary

12-Jun-19

WorkOrder: N035978

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/11/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035978-034A	B12@3.0	6/11/2019 9:25:00 AM		Soil			☐	☐	☐	WS
N035978-034B							☐	☐	☐	V-CA
N035978-034C							☐	☐	☐	V-CA
N035978-034D							☐	☐	☐	VS
N035978-034E							☐	☐	☐	VS
N035978-034F							☐	☐	☐	V-CA
N035978-035A	B13@0.5	6/11/2019 9:58:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N035978-036A	B13@1.5	6/11/2019 10:18:00 AM					☐	☐	☐	WS
N035978-037A	B13@3.0	6/11/2019 10:22:00 AM					☐	☐	☐	WS
N035978-038A	B14@0.5	6/11/2019 10:50:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N035978-039A	B14@1.5	6/11/2019 10:55:00 AM					☐	☐	☐	WS
N035978-040A	B14@3.0	6/11/2019 11:00:00 AM					☐	☐	☐	WS
N035978-041A	FOLDER	6/18/2019	6/18/2019		Folder	Folder	☐	☐	☐	LAB
			6/18/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545122038

CPS

LAS VEGAS

C89102A

4080676

LVS NV891-C51

Print Date: 6/11/2019 6:01 PM

Package 1 of 3

LABEL INSTRUCTIONS:

IR#2 2.1

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

July 03, 2019

Hamidou Barry
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N035992

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry

Enclosed are the results for sample(s) received on June 12, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N035992
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments For EPA 8015_DRO/ORO:

Matrix Spike (MS) surrogate was above laboratory acceptance limit possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comment For EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 4,4´-DDT possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comment For EPA 6020:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *03-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035992
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N035992-001A	B9@0.5'	Soil	6/11/2019 2:20:00 PM	6/12/2019	7/3/2019
N035992-002A	B9@1.5'	Soil	6/11/2019 2:23:00 PM	6/12/2019	7/3/2019
N035992-003A	B9@3.0'	Soil	6/11/2019 2:27:00 PM	6/12/2019	7/3/2019
N035992-004A	B10@0.5'	Soil	6/11/2019 2:38:00 PM	6/12/2019	7/3/2019
N035992-005A	B10@1.5'	Soil	6/11/2019 2:42:00 PM	6/12/2019	7/3/2019
N035992-006A	B10@3.0'	Soil	6/11/2019 2:45:00 PM	6/12/2019	7/3/2019
N035992-007A	B11@0.5'	Soil	6/11/2019 12:50:00 PM	6/12/2019	7/3/2019
N035992-008A	B11@1.5'	Soil	6/11/2019 12:55:00 PM	6/12/2019	7/3/2019
N035992-009A	B11@3.0'	Soil	6/11/2019 1:00:00 PM	6/12/2019	7/3/2019
N035992-010A	B15@0.5'	Soil	6/11/2019 12:20:00 PM	6/12/2019	7/3/2019
N035992-010B	B15@0.5'	Soil	6/11/2019 12:20:00 PM	6/12/2019	7/3/2019
N035992-010C	B15@0.5'	Soil	6/11/2019 12:20:00 PM	6/12/2019	7/3/2019
N035992-010D	B15@0.5'	Soil	6/11/2019 12:20:00 PM	6/12/2019	7/3/2019
N035992-010E	B15@0.5'	Soil	6/11/2019 12:20:00 PM	6/12/2019	7/3/2019
N035992-010F	B15@0.5'	Soil	6/11/2019 12:20:00 PM	6/12/2019	7/3/2019
N035992-011A	B15@1.5'	Soil	6/11/2019 12:25:00 PM	6/12/2019	7/3/2019
N035992-011B	B15@1.5'	Soil	6/11/2019 12:25:00 PM	6/12/2019	7/3/2019
N035992-011C	B15@1.5'	Soil	6/11/2019 12:25:00 PM	6/12/2019	7/3/2019
N035992-011D	B15@1.5'	Soil	6/11/2019 12:25:00 PM	6/12/2019	7/3/2019
N035992-011E	B15@1.5'	Soil	6/11/2019 12:25:00 PM	6/12/2019	7/3/2019
N035992-011F	B15@1.5'	Soil	6/11/2019 12:25:00 PM	6/12/2019	7/3/2019
N035992-012A	B15@3.0'	Soil	6/11/2019 12:30:00 PM	6/12/2019	7/3/2019
N035992-012B	B15@3.0'	Soil	6/11/2019 12:30:00 PM	6/12/2019	7/3/2019
N035992-012C	B15@3.0'	Soil	6/11/2019 12:30:00 PM	6/12/2019	7/3/2019
N035992-012D	B15@3.0'	Soil	6/11/2019 12:30:00 PM	6/12/2019	7/3/2019
N035992-012E	B15@3.0'	Soil	6/11/2019 12:30:00 PM	6/12/2019	7/3/2019
N035992-012F	B15@3.0'	Soil	6/11/2019 12:30:00 PM	6/12/2019	7/3/2019
N035992-013A	B16@0.5'	Soil	6/11/2019 11:15:00 AM	6/12/2019	7/3/2019
N035992-013B	B16@0.5'	Soil	6/11/2019 11:15:00 AM	6/12/2019	7/3/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035992
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N035992-013C	B16@0.5'	Soil	6/11/2019 11:15:00 AM	6/12/2019	7/3/2019
N035992-013D	B16@0.5'	Soil	6/11/2019 11:15:00 AM	6/12/2019	7/3/2019
N035992-013E	B16@0.5'	Soil	6/11/2019 11:15:00 AM	6/12/2019	7/3/2019
N035992-013F	B16@0.5'	Soil	6/11/2019 11:15:00 AM	6/12/2019	7/3/2019
N035992-014A	B16@1.5'	Soil	6/11/2019 11:30:00 AM	6/12/2019	7/3/2019
N035992-014B	B16@1.5'	Soil	6/11/2019 11:30:00 AM	6/12/2019	7/3/2019
N035992-014C	B16@1.5'	Soil	6/11/2019 11:30:00 AM	6/12/2019	7/3/2019
N035992-014D	B16@1.5'	Soil	6/11/2019 11:30:00 AM	6/12/2019	7/3/2019
N035992-014E	B16@1.5'	Soil	6/11/2019 11:30:00 AM	6/12/2019	7/3/2019
N035992-014F	B16@1.5'	Soil	6/11/2019 11:30:00 AM	6/12/2019	7/3/2019
N035992-015A	B16@3.0'	Soil	6/11/2019 11:42:00 AM	6/12/2019	7/3/2019
N035992-015B	B16@3.0'	Soil	6/11/2019 11:42:00 AM	6/12/2019	7/3/2019
N035992-015C	B16@3.0'	Soil	6/11/2019 11:42:00 AM	6/12/2019	7/3/2019
N035992-015D	B16@3.0'	Soil	6/11/2019 11:42:00 AM	6/12/2019	7/3/2019
N035992-015E	B16@3.0'	Soil	6/11/2019 11:42:00 AM	6/12/2019	7/3/2019
N035992-015F	B16@3.0'	Soil	6/11/2019 11:42:00 AM	6/12/2019	7/3/2019
N035992-016A	B19@0.5'	Soil	6/11/2019 4:20:00 PM	6/12/2019	7/3/2019
N035992-017A	B19@1.5'	Soil	6/11/2019 4:24:00 PM	6/12/2019	7/3/2019
N035992-018A	B19@3.0'	Soil	6/11/2019 4:28:00 PM	6/12/2019	7/3/2019
N035992-019A	B20@0.5'	Soil	6/11/2019 3:00:00 PM	6/12/2019	7/3/2019
N035992-020A	B20@1.5'	Soil	6/11/2019 3:05:00 PM	6/12/2019	7/3/2019
N035992-021A	B20@3.0'	Soil	6/11/2019 3:07:00 PM	6/12/2019	7/3/2019
N035992-022A	B21@0.5'	Soil	6/11/2019 3:28:00 PM	6/12/2019	7/3/2019
N035992-023A	B21@1.5'	Soil	6/11/2019 3:30:00 PM	6/12/2019	7/3/2019
N035992-024A	B21@3.0'	Soil	6/11/2019 3:35:00 PM	6/12/2019	7/3/2019
N035992-025A	B22@0.5'	Soil	6/11/2019 3:55:00 PM	6/12/2019	7/3/2019
N035992-026A	B22@1.5'	Soil	6/11/2019 4:00:00 PM	6/12/2019	7/3/2019
N035992-027A	B22@3.0'	Soil	6/11/2019 4:05:00 PM	6/12/2019	7/3/2019
N035992-028A	B23@1.0'	Soil	6/11/2019 4:50:00 PM	6/12/2019	7/3/2019
N035992-029A	B23@2.0'	Soil	6/11/2019 4:53:00 PM	6/12/2019	7/3/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035992
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N035992-030A	B23@3.0'	Soil	6/11/2019 4:57:00 PM	6/12/2019	7/3/2019
N035992-031A	QC-2	Soil	6/11/2019	6/12/2019	7/3/2019
N035992-032A	B18@0.5	Soil	6/12/2019 8:17:00 AM	6/12/2019	7/3/2019
N035992-032B	B18@0.5	Soil	6/12/2019 8:17:00 AM	6/12/2019	7/3/2019
N035992-032C	B18@0.5	Soil	6/12/2019 8:17:00 AM	6/12/2019	7/3/2019
N035992-032D	B18@0.5	Soil	6/12/2019 8:17:00 AM	6/12/2019	7/3/2019
N035992-032E	B18@0.5	Soil	6/12/2019 8:17:00 AM	6/12/2019	7/3/2019
N035992-032F	B18@0.5	Soil	6/12/2019 8:17:00 AM	6/12/2019	7/3/2019
N035992-033A	B18@1.5	Soil	6/12/2019 8:24:00 AM	6/12/2019	7/3/2019
N035992-033B	B18@1.5	Soil	6/12/2019 8:24:00 AM	6/12/2019	7/3/2019
N035992-033C	B18@1.5	Soil	6/12/2019 8:24:00 AM	6/12/2019	7/3/2019
N035992-033D	B18@1.5	Soil	6/12/2019 8:24:00 AM	6/12/2019	7/3/2019
N035992-033E	B18@1.5	Soil	6/12/2019 8:24:00 AM	6/12/2019	7/3/2019
N035992-033F	B18@1.5	Soil	6/12/2019 8:24:00 AM	6/12/2019	7/3/2019
N035992-034A	B18@3.0	Soil	6/12/2019 8:28:00 AM	6/12/2019	7/3/2019
N035992-034B	B18@3.0	Soil	6/12/2019 8:28:00 AM	6/12/2019	7/3/2019
N035992-034C	B18@3.0	Soil	6/12/2019 8:28:00 AM	6/12/2019	7/3/2019
N035992-034D	B18@3.0	Soil	6/12/2019 8:28:00 AM	6/12/2019	7/3/2019
N035992-034E	B18@3.0	Soil	6/12/2019 8:28:00 AM	6/12/2019	7/3/2019
N035992-034F	B18@3.0	Soil	6/12/2019 8:28:00 AM	6/12/2019	7/3/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B9@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 2:20:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	3.5	0.50		mg/Kg	1	6/26/2019 04:45 PM
Lead	41	0.25		mg/Kg	1	6/26/2019 04:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B10@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 2:38:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	6.2	2.0		µg/Kg	1	6/20/2019 03:01 AM
4,4´-DDE	9.7	2.0		µg/Kg	1	6/20/2019 03:01 AM
4,4´-DDT	27	2.0		µg/Kg	1	6/20/2019 03:01 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 03:01 AM
Surr: Tetrachloro-m-xylene	55.2	24-109		%REC	1	6/20/2019 03:01 AM
Surr: Decachlorobiphenyl	58.1	23-115		%REC	1	6/20/2019 03:01 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	11	0.50		mg/Kg	1	6/26/2019 05:11 PM
Lead	240	1.2		mg/Kg	5	6/26/2019 07:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B11@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 12:50:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	3.9	0.50		mg/Kg	1	6/26/2019 05:16 PM
Lead	72	0.25		mg/Kg	1	6/26/2019 05:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B15@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 12:20:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC10_190615A QC Batch: 74219				PrepDate:	6/14/2019	Analyst: **LLR**
DRO	ND	9.9		mg/Kg	1	6/16/2019 11:10 AM
ORO	18	9.9		mg/Kg	1	6/16/2019 11:10 AM
Surr: p-Terphenyl	116	56-133		%REC	1	6/16/2019 11:10 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190614A QC Batch: E19VS092				PrepDate:	6/14/2019	Analyst: **QBM**
GRO	ND	0.86		mg/Kg	1	6/14/2019 07:52 PM
Surr: Chlorobenzene - d5	128	47-163		%REC	1	6/14/2019 07:52 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B QC Batch: 74236				PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	3.7	0.50		mg/Kg	1	6/26/2019 05:21 PM
Lead	9.7	0.25		mg/Kg	1	6/26/2019 05:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B16@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 11:15:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC10_190615A QC Batch: 74219				PrepDate:	6/14/2019	Analyst: **LLR**
DRO	ND	10		mg/Kg	1	6/16/2019 11:33 AM
ORO	12	10		mg/Kg	1	6/16/2019 11:33 AM
Surr: p-Terphenyl	106	56-133		%REC	1	6/16/2019 11:33 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190614A QC Batch: E19VS092				PrepDate:	6/14/2019	Analyst: **QBM**
GRO	ND	0.89		mg/Kg	1	6/14/2019 08:23 PM
Surr: Chlorobenzene - d5	115	47-163		%REC	1	6/14/2019 08:23 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B QC Batch: 74236				PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	7.2	0.50		mg/Kg	1	6/26/2019 05:42 PM
Lead	5.5	0.25		mg/Kg	1	6/26/2019 05:42 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Lab Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N035992-016

Client Sample ID: B19@0.5'
Collection Date: 6/11/2019 4:20:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243				PrepDate: 6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 03:27 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 03:27 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 03:27 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 03:27 AM
Surr: Tetrachloro-m-xylene	72.9	24-109		%REC	1	6/20/2019 03:27 AM
Surr: Decachlorobiphenyl	49.5	23-115		%REC	1	6/20/2019 03:27 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236				PrepDate: 6/17/2019	Analyst: **HG**
Arsenic	3.7	0.50		mg/Kg	1	6/26/2019 05:48 PM
Lead	23	0.25		mg/Kg	1	6/26/2019 05:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B20@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 3:00:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 03:53 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 03:53 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 03:53 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 03:53 AM
Surr: Tetrachloro-m-xylene	60.2	24-109		%REC	1	6/20/2019 03:53 AM
Surr: Decachlorobiphenyl	38.8	23-115		%REC	1	6/20/2019 03:53 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	4.8	0.50		mg/Kg	1	6/26/2019 05:53 PM
Lead	31	0.25		mg/Kg	1	6/26/2019 05:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B21@0.5'
Lab Order:	N035992	**Collection Date:**	6/11/2019 3:28:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-022		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 04:19 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 04:19 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 04:19 AM
Chlordane	ND	8.6		µg/Kg	1	6/20/2019 04:19 AM
Surr: Tetrachloro-m-xylene	52.0	24-109		%REC	1	6/20/2019 04:19 AM
Surr: Decachlorobiphenyl	39.1	23-115		%REC	1	6/20/2019 04:19 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	7.8	0.50		mg/Kg	1	6/26/2019 05:58 PM
Lead	12	0.25		mg/Kg	1	6/26/2019 05:58 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Lab Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N035992-025

Client Sample ID: B22@0.5'
Collection Date: 6/11/2019 3:55:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 04:45 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 04:45 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 04:45 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 04:45 AM
Surr: Tetrachloro-m-xylene	54.7	24-109		%REC	1	6/20/2019 04:45 AM
Surr: Decachlorobiphenyl	38.3	23-115		%REC	1	6/20/2019 04:45 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	4.7	0.50		mg/Kg	1	6/26/2019 06:02 PM
Lead	22	0.25		mg/Kg	1	6/26/2019 06:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B23@1.0'
Lab Order:	N035992	**Collection Date:**	6/11/2019 4:50:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-028		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 05:11 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 05:11 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 05:11 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 05:11 AM
Surr: Tetrachloro-m-xylene	55.5	24-109		%REC	1	6/20/2019 05:11 AM
Surr: Decachlorobiphenyl	42.6	23-115		%REC	1	6/20/2019 05:11 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	5.2	0.50		mg/Kg	1	6/26/2019 06:07 PM
Lead	190	1.2		mg/Kg	5	6/26/2019 07:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-2
Lab Order:	N035992	**Collection Date:**	6/11/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-031		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190630G	QC Batch: 74266			PrepDate:	6/19/2019	Analyst: **LLR**
DRO	22	9.9		mg/Kg	1	7/1/2019 11:47 PM
ORO	74	9.9		mg/Kg	1	7/1/2019 11:47 PM
Surr: p-Terphenyl	106	56-133		%REC	1	7/1/2019 11:47 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	7.3	0.50		mg/Kg	1	6/26/2019 06:12 PM
Lead	5.7	0.25		mg/Kg	1	6/26/2019 06:12 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B18@0.5
Lab Order:	N035992	**Collection Date:**	6/12/2019 8:17:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-032		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190618B QC Batch: 74233				PrepDate:	6/17/2019	Analyst: **LLR**
DRO	51	10		mg/Kg	1	6/19/2019 01:02 AM
ORO	160	10		mg/Kg	1	6/19/2019 01:02 AM
Surr: p-Terphenyl	121	56-133		%REC	1	6/19/2019 01:02 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190614A QC Batch: E19VS092				PrepDate:	6/14/2019	Analyst: **QBM**
GRO	ND	0.92		mg/Kg	1	6/14/2019 08:54 PM
Surr: Chlorobenzene - d5	108	47-163		%REC	1	6/14/2019 08:54 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B QC Batch: 74236				PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	4.8	0.50		mg/Kg	1	6/26/2019 06:17 PM
Lead	34	0.25		mg/Kg	1	6/26/2019 06:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B18@1.5
Lab Order:	N035992	**Collection Date:**	6/12/2019 8:24:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-033		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190618B QC Batch: 74233				PrepDate:	6/17/2019	Analyst: **LLR**
DRO	ND	10		mg/Kg	1	6/19/2019 02:26 AM
ORO	ND	10		mg/Kg	1	6/19/2019 02:26 AM
Surr: p-Terphenyl	117	56-133		%REC	1	6/19/2019 02:26 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190614A QC Batch: E19VS092				PrepDate:	6/14/2019	Analyst: **QBM**
GRO	ND	0.93		mg/Kg	1	6/14/2019 09:24 PM
Surr: Chlorobenzene - d5	107	47-163		%REC	1	6/14/2019 09:24 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B QC Batch: 74236				PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	5.6	0.50		mg/Kg	1	6/26/2019 06:22 PM
Lead	12	0.25		mg/Kg	1	6/26/2019 06:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *03-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B18@3.0
Lab Order:	N035992	**Collection Date:**	6/12/2019 8:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N035992-034		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190618B QC Batch: 74233				PrepDate:	6/17/2019	Analyst: **LLR**
DRO	ND	10		mg/Kg	1	6/19/2019 02:53 AM
ORO	ND	10		mg/Kg	1	6/19/2019 02:53 AM
Surr: p-Terphenyl	123	56-133		%REC	1	6/19/2019 02:53 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190614A QC Batch: E19VS092				PrepDate:	6/14/2019	Analyst: **QBM**
GRO	ND	1.0		mg/Kg	1	6/14/2019 09:55 PM
Surr: Chlorobenzene - d5	115	47-163		%REC	1	6/14/2019 09:55 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B QC Batch: 74236				PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	6.3	0.50		mg/Kg	1	6/26/2019 06:27 PM
Lead	11	0.25		mg/Kg	1	6/26/2019 06:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74236** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **PBS** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74236** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **LCSS** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.172	0.50	5.000	0	103	85	115				
Lead	4.645	0.25	5.000	0	92.9	85	115				

Sample ID: **N035992-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **ZZZZZZ** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.274	0.50	4.998	3.489	95.8	75	125				
Lead	58.967	0.25	4.998	41.40	352	75	125				S

Sample ID: **N035992-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **ZZZZZZ** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.195	0.50	4.998	3.489	94.2	75	125	8.274	0.957	20	
Lead	59.602	0.25	4.998	41.40	364	75	125	58.97	1.07	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74219** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134546**
Client ID: **PBS** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/16/2019** SeqNo: **3413879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	6.169	10									
Surr: p-Terphenyl	100.587		80.00		126	56	133				

Sample ID: **N035972-001B-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134546**
Client ID: **ZZZZZZ** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/16/2019** SeqNo: **3413882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1186.022	10	998.0	0	119	46	142				
Surr: p-Terphenyl	87.263		79.84		109	56	133				

Sample ID: **N035972-001B-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134546**
Client ID: **ZZZZZZ** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/16/2019** SeqNo: **3413883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1156.946	9.9	991.1	0	117	46	142	1186	2.48	20	
Surr: p-Terphenyl	80.067		79.29		101	56	133		0		

Sample ID: **LCS-74219** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/14/2019** RunNo: **134576**
Client ID: **LCSS** Batch ID: **74219** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/18/2019** SeqNo: **3414580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	979.723	10	1000	0	98.0	69	123				
Surr: p-Terphenyl	92.710		80.00		116	56	133				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74233** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134580**
Client ID: **PBS** Batch ID: **74233** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/19/2019** SeqNo: **3414706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	7.652	10									
ORO	7.150	10									
Surr: p-Terphenyl	99.218		80.00		124	56	133				

Sample ID: **LCS-74233** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134580**
Client ID: **LCSS** Batch ID: **74233** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/19/2019** SeqNo: **3414707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1053.939	10	1000	0	105	69	123				
Surr: p-Terphenyl	105.095		80.00		131	56	133				

Sample ID: **N035992-032A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134580**
Client ID: **ZZZZZZ** Batch ID: **74233** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/19/2019** SeqNo: **3414733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1409.296	10	1000	51.29	136	46	142				
Surr: p-Terphenyl	117.819		80.00		147	56	133				S

Sample ID: **N035992-032A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134580**
Client ID: **ZZZZZZ** Batch ID: **74233** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **6/19/2019** SeqNo: **3414734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1090.248	9.9	990.1	51.29	105	46	142	1409	25.5	20	R
Surr: p-Terphenyl	95.727		79.21		121	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74266** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/19/2019** RunNo: **134849**
Client ID: **PBS** Batch ID: **74266** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/1/2019** SeqNo: **3427175**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	3.300	10									
ORO	4.434	10									
Surr: p-Terphenyl	82.768		80.00		103	56	133				

Sample ID: **LCS-74266** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/19/2019** RunNo: **134849**
Client ID: **LCSS** Batch ID: **74266** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/1/2019** SeqNo: **3427176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1126.295	10	1000	0	113	69	123				
Surr: p-Terphenyl	81.050		80.00		101	56	133				

Sample ID: **N036016-001A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/19/2019** RunNo: **134849**
Client ID: **ZZZZZZ** Batch ID: **74266** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/1/2019** SeqNo: **3427178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1140.660	10	999.0	5.351	114	46	142				
Surr: p-Terphenyl	77.284		79.92		96.7	56	133				

Sample ID: **N036016-001A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/19/2019** RunNo: **134849**
Client ID: **ZZZZZZ** Batch ID: **74266** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/1/2019** SeqNo: **3427179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1135.232	9.9	990.1	5.351	114	46	142	1141	0.477	20	
Surr: p-Terphenyl	76.900		79.21		97.1	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190614LCS** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134535**
Client ID: **LCSS** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412409**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.623	1.0	5.000	0	92.5	72	136				
Surr: Chlorobenzene - d5	92.299		100.0		92.3	47	163				

Sample ID: **E190614MB1** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134535**
Client ID: **PBS** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412410**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	109.880		100.0		110	47	163				

Sample ID: **N036015-002AMS** SampType: **MS** TestCode: **8015GAS_503** Units: **mg/Kg-dry** Prep Date: RunNo: **134535**
Client ID: **ZZZZZZ** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.141	1.1	5.340	0	96.3	43	153				
Surr: Chlorobenzene - d5	108.239		106.8		101	47	163				

Sample ID: **N036015-002AMSD** SampType: **MSD** TestCode: **8015GAS_503** Units: **mg/Kg-dry** Prep Date: RunNo: **134535**
Client ID: **ZZZZZZ** Batch ID: **E19VS092** TestNo: **EPA 8015B** Analysis Date: **6/14/2019** SeqNo: **3412417**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.850	1.1	5.340	0	90.8	43	153	5.141	5.82	20	
Surr: Chlorobenzene - d5	104.508		106.8		97.8	47	163		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74243_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **LCSS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.928	2.0	16.67	0	95.5	57	132				
4,4´-DDE	15.175	2.0	16.67	0	91.0	52	129				
4,4´-DDT	15.073	2.0	16.67	0	90.4	57	131				
Surr: Tetrachloro-m-xylene	12.548		16.67		75.3	24	109				
Surr: Decachlorobiphenyl	12.560		16.67		75.3	23	115				

Sample ID: **MB-74243** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **PBS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.535		16.67		75.2	24	109				
Surr: Decachlorobiphenyl	12.243		16.67		73.4	23	115				

Sample ID: **N035978-013A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	20.310	2.0	16.69	0	122	57	132				
4,4´-DDE	15.389	2.0	16.69	0	92.2	52	129				
4,4´-DDT	15.490	2.0	16.69	7.305	49.0	57	131				S
Surr: Tetrachloro-m-xylene	12.001		16.69		71.9	24	109				
Surr: Decachlorobiphenyl	10.933		16.69		65.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035992
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N035978-013A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	19.788	2.0	16.78	0	118	57	132	20.31	2.61	20	
4,4´-DDE	14.097	2.0	16.78	0	84.0	52	129	15.39	8.76	20	
4,4´-DDT	14.018	2.0	16.78	7.305	40.0	57	131	15.49	9.98	20	S
Surr: Tetrachloro-m-xylene	11.117		16.78		66.2	24	109		0		
Surr: Decachlorobiphenyl	10.513		16.78		62.6	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

N035992

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B9@0.5'	6/11/2019	1420	1	Soil	X	X										N035992-01
B9@1.5'		1423	1													Hold -02
B9@3.0'		1427	1													Hold -03
B10@0.5'		1438	1		X	X				X						-04
B10@1.5'		1442	1													Hold -05
B10@3.0		1445	1													Hold -06
B11@0.5'		1250	1		X	X										-07
B11@1.5'		1255	1													Hold -08
B11@3.0'		1300	1													Hold -09
B15@0.5		1220	6		X	X		X								-10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/12/19	1110	[signature] Karla Sevilla	6/12/19	1110
[signature] Karla Sevilla	6/12/19	1414	[signature] MARIANNE SANTOS	6/12/19	1414
[signature] MARIANNE SANTOS	6/12/19	1700	[signature] Rodriguez	6/13/19	8:55am

SPECIAL INSTRUCTIONS:
1.7°C / 3.2°C on #2
GSO #: 7834/7836

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, **marianne@assetlaboratories.com**
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M GDM	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B15e1.5'	6/11/2019	1225	6	Soil												Hold N035992-11
B15e3.0'		1230	6													Hold -12
B16e0.5'		1115	6		X	X		X								-13
B16e1.5'		1130	6													Hold -14
B16e3.0'		1142	6													Hold -15
B19e0.5'		1620	1		X	X				X						-16
B19e1.5'		1624	1													Hold -17
B19e3.0'		1628	1													Hold -18
B20e0.5'		1500	1		X	X				X						-19
B20e1.5'		1505	1													Hold -20

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/12/19	1110	Ari Karla Sevilla	6/12/19	1110
Ari Karla Sevilla	6/12/19	1414	MARIANNE SANTOS	6/12/19	1414
MARIANNE SANTOS	6/12/19	1700	Damian Robinson	6/13/19	8.55a

SPECIAL INSTRUCTIONS:
1.7°C / 3.2°C
GSO #: 7834 / 7836

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B20@3.0'	6/11/2019	1507	1	Soil												Hold N035992-21
B21@0.5'		1528	1		X	X				X						-22
B21@1.5'		1530	1													Hold -23
B21@3.0'		1535	1													Hold -24
B22@0.5'		1555	1		X	X				X						-25
B22@1.5'		1600	1													Hold -26
B22@3.0'		1605	1													Hold -27
B23@1.0'		1650	1		X	X				X						-28
B23@2.0'		1653	1													Hold -29
B23@3.0'		1657	1													Hold -30

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/12/19	1110	[signature] Karla Sevilla	6/12/19	1110
[signature] Karla Sevilla	6/12/19	1414	[signature] MARIANNE SANTOS	6/12/19	1414
[signature] MARIANNE SANTOS	6/12/19	1700	[signature] Relinquished	6/13/19	8:55

SPECIAL INSTRUCTIONS:
1.7°C / 3.2°C Tr# 2
GSO #: 7834 / 7836

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
QC-2	6/11/2019		1	Soil	X	X										N035992-31
B18@0.5	6/12/19	0817	6	Soil	X	X		X								-32
B18@1.5	6/12/19	0824	6	Soil	X	X		X								-33
B18@30	6/12/19	0828	6	Soil	X	X		X								-34

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/12/19	1110	Karla Sevilla	6/12/19	1110
Karla Sevilla	6/12/19	1414	MARIANNE SANTOS	6/12/19	1414
MARIANNE SANTOS	6/12/19	1700	Jonathan Rodriguez	6/13/19	8:53 am

SPECIAL INSTRUCTIONS: 1.7°C / 3.2°C TR#2 GSO#: 7834/7836

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abrahamm Lincoln HS- PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/12/2019	Workorder:	N035992
Rep sample Temp (Deg C):	1.7/3.2	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7834/7836	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 6/17/2019

Reviewed By: MS 6/18/2019

AssetLabs Sample Control

From: Marianne Santos <marianne@assetlaboratories.com>
Sent: Monday, June 17, 2019 11:17 AM
To: 'AssetLabs Sample Control'
Cc: 'Yoandra Rodriguez'; 'Anushka Wijesekera'
Subject: FW: Abraham Lincoln HS (Asset No. N036035)

Hi SC,

Please see client's response.

QC-3 (N036035)
QC-2 (N035992)

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

ASSET LABORATORIES - Serving Clients with Passion and Professionalism

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From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 17, 2019 10:33 AM
To: Marianne
Cc: Hamidou Barry
Subject: Re: Abraham Lincoln HS (Asset No. N036035)

We would like the reports all at once which Friday or Monday should be fine.

As for QC-6 and QC-7, analyze them as intended without the motor oil since we didn't provide the jar.

Can you also please add the analyses for TPH-MO for QC-3 and QC-2.

Feel free to contact me via e-mail or phone if you have any questions.

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office: (925) 279-5000 • **Fax**: (925) 279-5001 • **Cell**: (707) 342-5669
jramos@alisto.com

ALISTO ENGINEERING GROUP

From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>
Cc: "Hamidou Barry" <hbarry@alisto.com>
Sent: Monday, June 17, 2019 10:22:59 AM
Subject: RE: Abraham Lincoln HS (Asset No. N036035)

Hi James,

Please see attachments for the COCs for Abraham Lincoln HS.

Please also confirm how you would need the reports – will you need the results all at once, which will most likely be ready by Friday or Monday, or will you need separate reports divided into each day that we received the samples.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 17, 2019 9:44 AM
To: Marianne
Cc: Hamidou Barry; AssetLabs Sample Control; Yoandra Rodriguez
Subject: Re: Abraham Lincoln HS (Asset No. N036035)

Morning Marianne,

Can you send me copies of the COCs from the Tuesday and Wednesday sample submittals that your courier picked up? I will also get back to you regarding the QC samples we discussed on Friday.

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office: (925) 279-5000 • **Fax**: (925) 279-5001 • **Cell**: (707) 342-5669
jramos@alisto.com

ALISTO ENGINEERING GROUP

From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>, "Hamidou Barry" <hbarry@alisto.com>
Cc: "AssetLabs Sample Control" <samplecontrol@assetlaboratories.com>, "Yoandra Rodriguez" <yoandra@assetlaboratories.com>
Sent: Friday, June 14, 2019 12:21:31 PM
Subject: Abraham Lincoln HS (Asset No. N036035)

Hi James,

We will add the 2 Trip Blanks to the attached COC/work order for the samples we received on 6/13/19.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

ASSET LABORATORIES - Serving Clients with Passion and Professionalism

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From: AssetLabs Sample Control [mailto:samplecontrol@assetlaboratories.com]
Sent: Friday, June 14, 2019 12:08 PM
To: hbarry@alisto.com; asevilla@alisto.com
Cc: 'Marianne Santos'
Subject: COC and Work Order Summary for Sample Received 6/13/2019

Hi Hamidou Barry/Al Sevilla:

Enclosed are COCs and WO Summaries for samples received 6/13/2019. If you have any questions, please contact your Project Manager listed below.

Marianne Santos
Project Manager
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Tel. No.: (562)-219-7435
Fax No.: (562)-219-7436
Cel. No.: (562)-413-2344
Email: marianne@assetlaboratories.com

Thank you for using ASSET Laboratories.

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N035992

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035992-001A	B9@0.5'	6/11/2019 2:20:00 PM	6/19/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N035992-002A	B9@1.5'	6/11/2019 2:23:00 PM					☐	☐	☐	WS
N035992-003A	B9@3.0'	6/11/2019 2:27:00 PM					☐	☐	☐	WS
N035992-004A	B10@0.5'	6/11/2019 2:38:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035992-005A	B10@1.5'	6/11/2019 2:42:00 PM					☐	☐	☐	WS
N035992-006A	B10@3.0'	6/11/2019 2:45:00 PM					☐	☐	☐	WS
N035992-007A	B11@0.5'	6/11/2019 12:50:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N035992-008A	B11@1.5'	6/11/2019 12:55:00 PM					☐	☐	☐	WS
N035992-009A	B11@3.0'	6/11/2019 1:00:00 PM					☐	☐	☐	WS
N035992-010A	B15@0.5'	6/11/2019 12:20:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035992-010B							☐	☐	☐	V-CA
N035992-010C							☐	☐	☐	V-CA
N035992-010D			6/19/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	Consumed

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N035992

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035992-010D	B15@0.5'	6/11/2019 12:20:00 PM	6/19/2019	Soil	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	Consumed
N035992-010E							☐	☐	☐	VS
N035992-010F							☐	☐	☐	V-CA
N035992-011A	B15@1.5'	6/11/2019 12:25:00 PM					☐	☐	☐	WS
N035992-011B							☐	☐	☐	V-CA
N035992-011C							☐	☐	☐	V-CA
N035992-011D							☐	☐	☐	VS
N035992-011E							☐	☐	☐	VS
N035992-011F							☐	☐	☐	V-CA
N035992-012A	B15@3.0'	6/11/2019 12:30:00 PM					☐	☐	☐	WS
N035992-012B							☐	☐	☐	V-CA
N035992-012C							☐	☐	☐	V-CA
N035992-012D							☐	☐	☐	VS
N035992-012E							☐	☐	☐	VS
N035992-012F							☐	☐	☐	V-CA
N035992-013A	B16@0.5'	6/11/2019 11:15:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035992-013B							☐	☐	☐	V-CA
N035992-013C							☐	☐	☐	V-CA

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N035992

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035992-013D	B16@0.5'	6/11/2019 11:15:00 AM	6/19/2019	Soil	EPA 5035	Closed System Purge and Trap	☐	☐	☐	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	Consumed
N035992-013E							☐	☐	☐	VS
N035992-013F							☐	☐	☐	V-CA
N035992-014A	B16@1.5'	6/11/2019 11:30:00 AM					☐	☐	☐	WS
N035992-014B							☐	☐	☐	V-CA
N035992-014C							☐	☐	☐	V-CA
N035992-014D							☐	☐	☐	VS
N035992-014E							☐	☐	☐	VS
N035992-014F							☐	☐	☐	V-CA
N035992-015A	B16@3.0'	6/11/2019 11:42:00 AM					☐	☐	☐	WS
N035992-015B							☐	☐	☐	V-CA
N035992-015C							☐	☐	☐	V-CA
N035992-015D							☐	☐	☐	VS
N035992-015E							☐	☐	☐	VS
N035992-015F							☐	☐	☐	V-CA
N035992-016A	B19@0.5'	6/11/2019 4:20:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035992-017A	B19@1.5'	6/11/2019 4:24:00 PM					☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N035992

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035992-018A	B19@3.0'	6/11/2019 4:28:00 PM		Soil			☐	☐	☐	WS
N035992-019A	B20@0.5'	6/11/2019 3:00:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035992-020A	B20@1.5'	6/11/2019 3:05:00 PM					☐	☐	☐	WS
N035992-021A	B20@3.0'	6/11/2019 3:07:00 PM					☐	☐	☐	WS
N035992-022A	B21@0.5'	6/11/2019 3:28:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035992-023A	B21@1.5'	6/11/2019 3:30:00 PM					☐	☐	☐	WS
N035992-024A	B21@3.0'	6/11/2019 3:35:00 PM					☐	☐	☐	WS
N035992-025A	B22@0.5'	6/11/2019 3:55:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035992-026A	B22@1.5'	6/11/2019 4:00:00 PM					☐	☐	☐	WS
N035992-027A	B22@3.0'	6/11/2019 4:05:00 PM					☐	☐	☐	WS
N035992-028A	B23@1.0'	6/11/2019 4:50:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N035992

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035992-028A	B23@1.0'	6/11/2019 4:50:00 PM	6/19/2019	Soil	EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N035992-029A	B23@2.0'	6/11/2019 4:53:00 PM					☐	☐	☐	WS
N035992-030A	B23@3.0'	6/11/2019 4:57:00 PM					☐	☐	☐	WS
N035992-031A	QC-2	6/11/2019	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035992-032A	B18@0.5	6/12/2019 8:17:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035992-032B							☐	☐	☐	V-CA
N035992-032C							☐	☐	☐	V-CA
N035992-032D			6/19/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	Consumed
N035992-032E							☐	☐	☐	VS
N035992-032F							☐	☐	☐	V-CA
N035992-033A	B18@1.5	6/12/2019 8:24:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N035992

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035992-033A	B18@1.5	6/12/2019 8:24:00 AM	6/19/2019	Soil	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035992-033B							☐	☐	☐	V-CA
N035992-033C							☐	☐	☐	V-CA
N035992-033D			6/19/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	Consumed
N035992-033E							☐	☐	☐	VS
N035992-033F							☐	☐	☐	V-CA
N035992-034A	B18@3.0	6/12/2019 8:28:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N035992-034B							☐	☐	☐	V-CA
N035992-034C							☐	☐	☐	V-CA
N035992-034D			6/19/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	Consumed
N035992-034E							☐	☐	☐	VS
N035992-034F							☐	☐	☐	V-CA
N035992-035A	FOLDER	6/19/2019	6/19/2019		Folder	Folder	☐	☐	☐	LAB
			6/19/2019		Folder	Folder	☐	☐	☐	LAB

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www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545137834

CPS

LAS VEGAS

C89102A

4148815

LVS NV891-C51

Print Date: 6/12/2019 5:04 PM

Package 1 of 3

Pk#2 1.7

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

3

GSO GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545137836

CPS

LAS VEGAS

C89102A

4148817

LVS NV891-C51

Print Date: 6/12/2019 5:04 PM

Package 3 of 3

IR#2 3.2

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

July 08, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036033

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 13, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to American Environmental Testing Laboratory (AETL), Burbank, CA.

Analytical Comments For EPA 8015B_DRO/ORO:

Matrix Spike Duplicate (MSD) is outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comment For EPA 8260B:

Laboratory Control Sample (LCS) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the samples were not necessary.

Sample N036033-001 surrogate 1,2-Dichloroethane-d4 was above laboratory acceptance limit possibly due to matrix interference. Sample results were non-detect (ND) therefore reanalysis of the sample was not necessary.

Analytical Comment For EPA 8270C_SIM:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *08-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036033
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036033-001A	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-001B	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-001C	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-001D	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-001E	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-001F	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-001G	B2@1.0	Soil	6/12/2019 11:28:00 AM	6/13/2019	7/8/2019
N036033-002A	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-002B	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-002C	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-002D	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-002E	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-002F	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-002G	B2@5	Soil	6/12/2019 11:45:00 AM	6/13/2019	7/8/2019
N036033-003A	B2@10	Soil	6/12/2019 12:00:00 PM	6/13/2019	7/8/2019
N036033-003B	B2@10	Soil	6/12/2019 12:00:00 PM	6/13/2019	7/8/2019
N036033-003C	B2@10	Soil	6/12/2019 12:00:00 PM	6/13/2019	7/8/2019
N036033-003D	B2@10	Soil	6/12/2019 12:00:00 PM	6/13/2019	7/8/2019
N036033-003E	B2@10	Soil	6/12/2019 12:00:00 PM	6/13/2019	7/8/2019
N036033-003F	B2@10	Soil	6/12/2019 12:00:00 PM	6/13/2019	7/8/2019
N036033-004A	B2@15	Soil	6/12/2019 12:05:00 PM	6/13/2019	7/8/2019
N036033-004B	B2@15	Soil	6/12/2019 12:05:00 PM	6/13/2019	7/8/2019
N036033-004C	B2@15	Soil	6/12/2019 12:05:00 PM	6/13/2019	7/8/2019
N036033-004D	B2@15	Soil	6/12/2019 12:05:00 PM	6/13/2019	7/8/2019
N036033-004E	B2@15	Soil	6/12/2019 12:05:00 PM	6/13/2019	7/8/2019
N036033-004F	B2@15	Soil	6/12/2019 12:05:00 PM	6/13/2019	7/8/2019
N036033-005A	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019
N036033-005B	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019
N036033-005C	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036033
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036033-005D	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019
N036033-005E	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019
N036033-005F	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019
N036033-005G	B3@1.0	Soil	6/12/2019 9:28:00 AM	6/13/2019	7/8/2019
N036033-006A	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-006B	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-006C	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-006D	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-006E	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-006F	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-006G	B3@5	Soil	6/12/2019 9:50:00 AM	6/13/2019	7/8/2019
N036033-007A	B3@10	Soil	6/12/2019 10:05:00 AM	6/13/2019	7/8/2019
N036033-007B	B3@10	Soil	6/12/2019 10:05:00 AM	6/13/2019	7/8/2019
N036033-007C	B3@10	Soil	6/12/2019 10:05:00 AM	6/13/2019	7/8/2019
N036033-007D	B3@10	Soil	6/12/2019 10:05:00 AM	6/13/2019	7/8/2019
N036033-007E	B3@10	Soil	6/12/2019 10:05:00 AM	6/13/2019	7/8/2019
N036033-007F	B3@10	Soil	6/12/2019 10:05:00 AM	6/13/2019	7/8/2019
N036033-008A	B3@15	Soil	6/12/2019 10:20:00 AM	6/13/2019	7/8/2019
N036033-008B	B3@15	Soil	6/12/2019 10:20:00 AM	6/13/2019	7/8/2019
N036033-008C	B3@15	Soil	6/12/2019 10:20:00 AM	6/13/2019	7/8/2019
N036033-008D	B3@15	Soil	6/12/2019 10:20:00 AM	6/13/2019	7/8/2019
N036033-008E	B3@15	Soil	6/12/2019 10:20:00 AM	6/13/2019	7/8/2019
N036033-008F	B3@15	Soil	6/12/2019 10:20:00 AM	6/13/2019	7/8/2019

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B2@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 11:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Acenaphthene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Acenaphthylene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Anthracene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Benzo(b)fluoranthene	5.5	5.0		µg/Kg	1	6/20/2019 08:40 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Chrysene	5.5	5.0		µg/Kg	1	6/20/2019 08:40 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Fluorene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Naphthalene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Phenanthrene	ND	5.0		µg/Kg	1	6/20/2019 08:40 PM
Pyrene	7.0	5.0		µg/Kg	1	6/20/2019 08:40 PM
Surr: 1,2-Dichlorobenzene-d4	73.0	26-102		%REC	1	6/20/2019 08:40 PM
Surr: 2-Fluorobiphenyl	104	27-106		%REC	1	6/20/2019 08:40 PM
Surr: 4-Terphenyl-d14	86.0	35-123		%REC	1	6/20/2019 08:40 PM
Surr: Nitrobenzene-d5	82.0	30-104		%REC	1	6/20/2019 08:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,1-Dichloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,1-Dichloroethene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,1-Dichloropropene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2,3-Trichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2,3-Trichloropropane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2,4-Trichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2,4-Trimethylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B2@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 11:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	8.4		µg/Kg	1	6/19/2019 07:13 PM
1,2-Dibromoethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2-Dichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2-Dichloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,2-Dichloropropane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,3,5-Trimethylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,3-Dichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,3-Dichloropropane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
1,4-Dichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
2,2-Dichloropropane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
2-Butanone	ND	42		µg/Kg	1	6/19/2019 07:13 PM
2-Chlorotoluene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
4-Chlorotoluene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
4-Isopropyltoluene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Benzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Bromobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Bromodichloromethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Bromoform	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Bromomethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Carbon tetrachloride	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Chlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Chloroethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Chloroform	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Chloromethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
cis-1,2-Dichloroethene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
cis-1,3-Dichloropropene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Dibromochloromethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Dibromomethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Dichlorodifluoromethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Ethylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Freon-113	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Hexachlorobutadiene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Isopropylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
m,p-Xylene	ND	8.4		µg/Kg	1	6/19/2019 07:13 PM
Methylene chloride	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
MTBE	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B2@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 11:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
n-Propylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Naphthalene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
o-Xylene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
sec-Butylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Styrene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
tert-Butylbenzene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Tetrachloroethene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Toluene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
trans-1,2-Dichloroethene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Trichloroethene	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Trichlorofluoromethane	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Vinyl chloride	ND	4.2		µg/Kg	1	6/19/2019 07:13 PM
Surr: 1,2-Dichloroethane-d4	166	70-156	S	%REC	1	6/19/2019 07:13 PM
Surr: 4-Bromofluorobenzene	95.3	73-129		%REC	1	6/19/2019 07:13 PM
Surr: Dibromofluoromethane	131	73-146		%REC	1	6/19/2019 07:13 PM
Surr: Toluene-d8	106	80-120		%REC	1	6/19/2019 07:13 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B / **EPA 8015B**						
RunID: NV00922-GC3_190706C QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	ND	10		mg/Kg	1	7/6/2019 07:19 PM
ORO	20	10		mg/Kg	1	7/6/2019 07:19 PM
Surr: p-Terphenyl	98.2	56-133		%REC	1	7/6/2019 07:19 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.82		mg/Kg	1	6/15/2019 11:17 AM
Surr: Chlorobenzene - d5	125	47-163		%REC	1	6/15/2019 11:17 AM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.10		mg/Kg	1	6/18/2019 10:51 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B2@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 11:45:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Acenaphthene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Acenaphthylene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Anthracene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Chrysene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Fluorene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Naphthalene	5.5	5.0		µg/Kg	1	6/20/2019 10:06 PM
Phenanthrene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Pyrene	ND	5.0		µg/Kg	1	6/20/2019 10:06 PM
Surr: 1,2-Dichlorobenzene-d4	71.0	26-102		%REC	1	6/20/2019 10:06 PM
Surr: 2-Fluorobiphenyl	99.0	27-106		%REC	1	6/20/2019 10:06 PM
Surr: 4-Terphenyl-d14	80.0	35-123		%REC	1	6/20/2019 10:06 PM
Surr: Nitrobenzene-d5	81.0	30-104		%REC	1	6/20/2019 10:06 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,1,1-Trichloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,1,2,2-Tetrachloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,1,2-Trichloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,1-Dichloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,1-Dichloroethene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,1-Dichloropropene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2,3-Trichlorobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2,3-Trichloropropane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2,4-Trichlorobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2,4-Trimethylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B2@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 11:45:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	8.5		µg/Kg	1	6/19/2019 08:02 PM
1,2-Dibromoethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2-Dichlorobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2-Dichloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,2-Dichloropropane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,3,5-Trimethylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,3-Dichlorobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,3-Dichloropropane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
1,4-Dichlorobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
2,2-Dichloropropane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
2-Butanone	ND	43		µg/Kg	1	6/19/2019 08:02 PM
2-Chlorotoluene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
4-Chlorotoluene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
4-Isopropyltoluene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Benzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Bromobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Bromodichloromethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Bromoform	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Bromomethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Carbon tetrachloride	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Chlorobenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Chloroethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Chloroform	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Chloromethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
cis-1,2-Dichloroethene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
cis-1,3-Dichloropropene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Dibromochloromethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Dibromomethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Dichlorodifluoromethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Ethylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Freon-113	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Hexachlorobutadiene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Isopropylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
m,p-Xylene	ND	8.5		µg/Kg	1	6/19/2019 08:02 PM
Methylene chloride	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
MTBE	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B2@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 11:45:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
n-Propylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Naphthalene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
o-Xylene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
sec-Butylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Styrene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
tert-Butylbenzene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Tetrachloroethene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Toluene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
trans-1,2-Dichloroethene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Trichloroethene	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Trichlorofluoromethane	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Vinyl chloride	ND	4.3		µg/Kg	1	6/19/2019 08:02 PM
Surr: 1,2-Dichloroethane-d4	155	70-156		%REC	1	6/19/2019 08:02 PM
Surr: 4-Bromofluorobenzene	101	73-129		%REC	1	6/19/2019 08:02 PM
Surr: Dibromofluoromethane	140	73-146		%REC	1	6/19/2019 08:02 PM
Surr: Toluene-d8	115	80-120		%REC	1	6/19/2019 08:02 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B **EPA 8015B**						
RunID: NV00922-GC3_190706C QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	60	10		mg/Kg	1	7/6/2019 07:46 PM
ORO	200	10		mg/Kg	1	7/6/2019 07:46 PM
Surr: p-Terphenyl	96.2	56-133		%REC	1	7/6/2019 07:46 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.85		mg/Kg	1	6/15/2019 11:48 AM
Surr: Chlorobenzene - d5	106	47-163		%REC	1	6/15/2019 11:48 AM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.099		mg/Kg	1	6/18/2019 10:55 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Acenaphthene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Acenaphthylene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Anthracene	8.0	5.0		µg/Kg	1	6/20/2019 10:34 PM
Benzo(a)anthracene	8.5	5.0		µg/Kg	1	6/20/2019 10:34 PM
Benzo(a)pyrene	7.5	5.0		µg/Kg	1	6/20/2019 10:34 PM
Benzo(b)fluoranthene	10	5.0		µg/Kg	1	6/20/2019 10:34 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Chrysene	12	5.0		µg/Kg	1	6/20/2019 10:34 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Fluoranthene	29	5.0		µg/Kg	1	6/20/2019 10:34 PM
Fluorene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Naphthalene	ND	5.0		µg/Kg	1	6/20/2019 10:34 PM
Phenanthrene	23	5.0		µg/Kg	1	6/20/2019 10:34 PM
Pyrene	32	5.0		µg/Kg	1	6/20/2019 10:34 PM
Surr: 1,2-Dichlorobenzene-d4	65.0	26-102		%REC	1	6/20/2019 10:34 PM
Surr: 2-Fluorobiphenyl	96.0	27-106		%REC	1	6/20/2019 10:34 PM
Surr: 4-Terphenyl-d14	79.0	35-123		%REC	1	6/20/2019 10:34 PM
Surr: Nitrobenzene-d5	75.0	30-104		%REC	1	6/20/2019 10:34 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,1,1-Trichloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,1,2,2-Tetrachloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,1,2-Trichloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,1-Dichloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,1-Dichloroethene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,1-Dichloropropene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2,3-Trichlorobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2,3-Trichloropropane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2,4-Trichlorobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2,4-Trimethylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	8.2		µg/Kg	1	6/19/2019 08:27 PM
1,2-Dibromoethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2-Dichlorobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2-Dichloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,2-Dichloropropane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,3,5-Trimethylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,3-Dichlorobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,3-Dichloropropane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
1,4-Dichlorobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
2,2-Dichloropropane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
2-Butanone	ND	41		µg/Kg	1	6/19/2019 08:27 PM
2-Chlorotoluene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
4-Chlorotoluene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
4-Isopropyltoluene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Benzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Bromobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Bromodichloromethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Bromoform	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Bromomethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Carbon tetrachloride	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Chlorobenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Chloroethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Chloroform	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Chloromethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
cis-1,2-Dichloroethene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
cis-1,3-Dichloropropene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Dibromochloromethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Dibromomethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Dichlorodifluoromethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Ethylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Freon-113	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Hexachlorobutadiene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Isopropylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
m,p-Xylene	ND	8.2		µg/Kg	1	6/19/2019 08:27 PM
Methylene chloride	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
MTBE	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
n-Propylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Naphthalene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
o-Xylene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
sec-Butylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Styrene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
tert-Butylbenzene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Tetrachloroethene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Toluene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
trans-1,2-Dichloroethene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Trichloroethene	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Trichlorofluoromethane	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Vinyl chloride	ND	4.1		µg/Kg	1	6/19/2019 08:27 PM
Surr: 1,2-Dichloroethane-d4	144	70-156		%REC	1	6/19/2019 08:27 PM
Surr: 4-Bromofluorobenzene	94.3	73-129		%REC	1	6/19/2019 08:27 PM
Surr: Dibromofluoromethane	119	73-146		%REC	1	6/19/2019 08:27 PM
Surr: Toluene-d8	104	80-120		%REC	1	6/19/2019 08:27 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B / **EPA 8015B**						
RunID: NV00922-GC3_190706C QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	14	9.9		mg/Kg	1	7/6/2019 08:14 PM
ORO	36	9.9		mg/Kg	1	7/6/2019 08:14 PM
Surr: p-Terphenyl	99.7	56-133		%REC	1	7/6/2019 08:14 PM
PCBS BY GC/ECD						
EPA 3546 / **EPA 8082**						
RunID: NV00922-GC7_190620B QC Batch: 74268 PrepDate: 6/19/2019 Analyst: **MDM**						
Aroclor 1016	ND	16		µg/Kg	1	6/21/2019 05:11 AM
Aroclor 1221	ND	33		µg/Kg	1	6/21/2019 05:11 AM
Aroclor 1232	ND	16		µg/Kg	1	6/21/2019 05:11 AM
Aroclor 1242	ND	16		µg/Kg	1	6/21/2019 05:11 AM
Aroclor 1248	52	16		µg/Kg	1	6/21/2019 05:11 AM
Aroclor 1254	ND	16		µg/Kg	1	6/21/2019 05:11 AM
Aroclor 1260	ND	16		µg/Kg	1	6/21/2019 05:11 AM
Surr: Decachlorobiphenyl	67.7	25-120		%REC	1	6/21/2019 05:11 AM
Surr: Tetrachloro-m-xylene	69.4	21-118		%REC	1	6/21/2019 05:11 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@1.0
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:28:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190615A QC Batch: E19VS093				PrepDate:	6/15/2019	Analyst: **QBM**
GRO	ND	0.84		mg/Kg	1	6/15/2019 12:18 PM
Surr: Chlorobenzene - d5	122	47-163		%REC	1	6/15/2019 12:18 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: NV00922-AA1_190618A QC Batch: 74239				PrepDate:	6/17/2019	Analyst: **MG**
Mercury	ND	0.10		mg/Kg	1	6/18/2019 10:59 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190621A QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	50		µg/Kg	10	6/21/2019 04:30 PM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Acenaphthene	ND	50		µg/Kg	10	6/21/2019 04:30 PM
Acenaphthylene	ND	50		µg/Kg	10	6/21/2019 04:30 PM
Anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Chrysene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Fluorene	ND	50		µg/Kg	10	6/21/2019 04:30 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Naphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Phenanthrene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:02 PM
Surr: 1,2-Dichlorobenzene-d4	73.0	26-102		%REC	1	6/20/2019 11:02 PM
Surr: 2-Fluorobiphenyl	80.0	27-106		%REC	10	6/21/2019 04:30 PM
Surr: 4-Terphenyl-d14	87.0	35-123		%REC	1	6/20/2019 11:02 PM
Surr: Nitrobenzene-d5	83.0	30-104		%REC	1	6/20/2019 11:02 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,1,1-Trichloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,1,2,2-Tetrachloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,1,2-Trichloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,1-Dichloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,1-Dichloroethene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,1-Dichloropropene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2,3-Trichlorobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2,3-Trichloropropane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2,4-Trichlorobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2,4-Trimethylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate:	6/19/2019	Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	7.2		µg/Kg	1	6/19/2019 08:51 PM
1,2-Dibromoethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2-Dichlorobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2-Dichloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,2-Dichloropropane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,3,5-Trimethylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,3-Dichlorobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,3-Dichloropropane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
1,4-Dichlorobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
2,2-Dichloropropane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
2-Butanone	ND	36		µg/Kg	1	6/19/2019 08:51 PM
2-Chlorotoluene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
4-Chlorotoluene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
4-Isopropyltoluene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Benzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Bromobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Bromodichloromethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Bromoform	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Bromomethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Carbon tetrachloride	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Chlorobenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Chloroethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Chloroform	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Chloromethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
cis-1,2-Dichloroethene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
cis-1,3-Dichloropropene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Dibromochloromethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Dibromomethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Dichlorodifluoromethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Ethylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Freon-113	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Hexachlorobutadiene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Isopropylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
m,p-Xylene	ND	7.2		µg/Kg	1	6/19/2019 08:51 PM
Methylene chloride	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
MTBE	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
n-Propylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Naphthalene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
o-Xylene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
sec-Butylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Styrene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
tert-Butylbenzene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Tetrachloroethene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Toluene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
trans-1,2-Dichloroethene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Trichloroethene	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Trichlorofluoromethane	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Vinyl chloride	ND	3.6		µg/Kg	1	6/19/2019 08:51 PM
Surr: 1,2-Dichloroethane-d4	141	70-156		%REC	1	6/19/2019 08:51 PM
Surr: 4-Bromofluorobenzene	93.0	73-129		%REC	1	6/19/2019 08:51 PM
Surr: Dibromofluoromethane	127	73-146		%REC	1	6/19/2019 08:51 PM
Surr: Toluene-d8	103	80-120		%REC	1	6/19/2019 08:51 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B **EPA 8015B**						
RunID: NV00922-GC3_190706C QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	11	10		mg/Kg	1	7/6/2019 08:41 PM
ORO	28	10		mg/Kg	1	7/6/2019 08:41 PM
Surr: p-Terphenyl	105	56-133		%REC	1	7/6/2019 08:41 PM
PCBS BY GC/ECD						
EPA 3546 **EPA 8082**						
RunID: NV00922-GC7_190620B QC Batch: 74268 PrepDate: 6/19/2019 Analyst: **MDM**						
Aroclor 1016	ND	17		µg/Kg	1	6/21/2019 06:28 AM
Aroclor 1221	ND	33		µg/Kg	1	6/21/2019 06:28 AM
Aroclor 1232	ND	17		µg/Kg	1	6/21/2019 06:28 AM
Aroclor 1242	ND	17		µg/Kg	1	6/21/2019 06:28 AM
Aroclor 1248	ND	17		µg/Kg	1	6/21/2019 06:28 AM
Aroclor 1254	ND	17		µg/Kg	1	6/21/2019 06:28 AM
Aroclor 1260	ND	17		µg/Kg	1	6/21/2019 06:28 AM
Surr: Decachlorobiphenyl	66.5	25-120		%REC	1	6/21/2019 06:28 AM
Surr: Tetrachloro-m-xylene	75.7	21-118		%REC	1	6/21/2019 06:28 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B3@5
Lab Order:	N036033	**Collection Date:**	6/12/2019 9:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036033-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190615A QC Batch: E19VS093				PrepDate:	6/15/2019	Analyst: **QBM**
GRO	ND	0.83		mg/Kg	1	6/15/2019 12:49 PM
Surr: Chlorobenzene - d5	109	47-163		%REC	1	6/15/2019 12:49 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: NV00922-AA1_190618A QC Batch: 74239				PrepDate:	6/17/2019	Analyst: **MG**
Mercury	ND	0.099		mg/Kg	1	6/18/2019 11:04 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-74239** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **PBS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-74239** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **LCSS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.421	0.10	0.4167	0	101	80	120				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.445	0.099	0.4105	0.03221	101	75	125				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.436	0.099	0.4105	0.03221	98.4	75	125	0.4455	2.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74282** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **PBS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	ND	10									
Surr: p-Terphenyl	81.330		80.00		102	56	133				

Sample ID: **LCS-74282** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **LCSS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	934.375	10	1000	0	93.4	69	123				
Surr: p-Terphenyl	82.689		80.00		103	56	133				

Sample ID: **N036149-001B-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1030.895	20	990.1	325.1	71.3	46	142				
Surr: p-Terphenyl	86.679		79.21		109	56	133				

Sample ID: **N036149-001B-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	10.701	0.20	9.930	325.1	-3170	46	142	1031	196	20	SR
Surr: p-Terphenyl	0.865		0.7944		109	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190615LCS** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.576	1.0	5.000	0	91.5	72	136				
Surr: Chlorobenzene - d5	92.391		100.0		92.4	47	163				

Sample ID: **E190615LCSD** SampType: **LCSD** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS02** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.403	1.0	5.000	0	88.1	72	136	4.576	3.85	20	
Surr: Chlorobenzene - d5	89.332		100.0		89.3	47	163		0		

Sample ID: **E190615MB1** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **PBS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	112.232		100.0		112	47	163				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082SOIL_M

Sample ID: **LCS-74268_PCB** SampType: **LCS** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134656**
Client ID: **LCSS** Batch ID: **74268** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/21/2019** SeqNo: **3417802**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	158.019	16	166.7	0	94.8	51	111				
Aroclor 1260	171.704	16	166.7	0	103	51	116				
Surr: Decachlorobiphenyl	15.411		16.67		92.4	25	120				
Surr: Tetrachloro-m-xylene	13.835		16.67		83.0	21	118				

Sample ID: **MB-74268** SampType: **MBLK** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134656**
Client ID: **PBS** Batch ID: **74268** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/21/2019** SeqNo: **3417803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	13.958		16.67		83.7	25	120				
Surr: Tetrachloro-m-xylene	13.243		16.67		79.4	21	118				

Sample ID: **N036033-005A-MS_P** SampType: **MS** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134656**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/21/2019** SeqNo: **3417805**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	177.009	17	167.6	0	106	31	113				
Aroclor 1260	161.820	17	167.6	0	96.6	31	105				
Surr: Decachlorobiphenyl	11.930		16.76		71.2	25	120				
Surr: Tetrachloro-m-xylene	13.464		16.76		80.3	21	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082SOIL_M

Sample ID: **N036033-005A-MSD**	SampType: **MSD**	TestCode: **8082SOIL_M**	Units: **µg/Kg**	Prep Date: **6/19/2019**	RunNo: **134656**						
Client ID: **ZZZZZZ**	Batch ID: **74268**	TestNo: **EPA 8082**	**EPA 3546**	Analysis Date: **6/21/2019**	SeqNo: **3417806**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	172.980	17	167.2	0	103	31	113	177.0	2.30	20	
Aroclor 1260	150.934	17	167.2	0	90.3	31	105	161.8	6.96	20	
Surr: Decachlorobiphenyl	11.255		16.73		67.3	25	120		0		
Surr: Tetrachloro-m-xylene	12.188		16.73		72.9	21	118		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.090	5.0	40.00	0	113	78	127				
1,1,1-Trichloroethane	43.830	5.0	40.00	0	110	75	128				
1,1,2,2-Tetrachloroethane	42.840	5.0	40.00	0	107	78	126				
1,1,2-Trichloroethane	44.300	5.0	40.00	0	111	80	120				
1,1-Dichloroethane	41.360	5.0	40.00	0	103	65	136				
1,1-Dichloroethene	39.290	5.0	40.00	0	98.2	66	134				
1,1-Dichloropropene	49.380	5.0	40.00	0	123	79	128				
1,2,3-Trichlorobenzene	43.580	5.0	40.00	0	109	80	120				
1,2,3-Trichloropropane	37.070	5.0	40.00	0	92.7	79	123				
1,2,4-Trichlorobenzene	40.030	5.0	40.00	0	100	74	121				
1,2,4-Trimethylbenzene	46.070	5.0	40.00	0	115	79	128				
1,2-Dibromo-3-chloropropane	36.180	10	40.00	0	90.4	65	131				
1,2-Dibromoethane	42.350	5.0	40.00	0	106	79	124				
1,2-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120				
1,2-Dichloroethane	45.500	5.0	40.00	0	114	80	120				
1,2-Dichloropropane	42.620	5.0	40.00	0	107	80	120				
1,3,5-Trimethylbenzene	44.830	5.0	40.00	0	112	76	129				
1,3-Dichlorobenzene	42.330	5.0	40.00	0	106	80	120				
1,3-Dichloropropane	42.520	5.0	40.00	0	106	80	120				
1,4-Dichlorobenzene	43.020	5.0	40.00	0	108	80	120				
2,2-Dichloropropane	40.290	5.0	40.00	0	101	66	136				
2-Butanone	402.170	50	400.0	0	101	54	145				
2-Chlorotoluene	47.140	5.0	40.00	0	118	78	124				
4-Chlorotoluene	47.670	5.0	40.00	0	119	79	125				
4-Isopropyltoluene	43.320	5.0	40.00	0	108	75	130				
Benzene	48.210	5.0	40.00	0	121	80	120				S
Bromobenzene	46.160	5.0	40.00	0	115	80	120				
Bromodichloromethane	44.150	5.0	40.00	0	110	80	127				
Bromoform	45.570	5.0	40.00	0	114	67	136				
Bromomethane	64.780	5.0	40.00	0	162	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	48.120	5.0	40.00	0	120	75	137				
Chlorobenzene	43.720	5.0	40.00	0	109	80	120				
Chloroethane	46.950	5.0	40.00	0	117	64	145				
Chloroform	41.010	5.0	40.00	0	103	75	120				
Chloromethane	48.590	5.0	40.00	0	121	58	139				
cis-1,2-Dichloroethene	41.490	5.0	40.00	0	104	76	120				
cis-1,3-Dichloropropene	43.570	5.0	40.00	0	109	77	128				
Dibromochloromethane	38.170	5.0	40.00	0	95.4	79	124				
Dibromomethane	49.600	5.0	40.00	0	124	80	120				S
Dichlorodifluoromethane	42.970	5.0	40.00	0	107	64	137				
Ethylbenzene	48.040	5.0	40.00	0	120	79	120				S
Freon-113	41.690	5.0	40.00	0	104	58	141				
Hexachlorobutadiene	44.840	5.0	40.00	0	112	72	126				
Isopropylbenzene	42.250	5.0	40.00	0	106	62	130				
m,p-Xylene	96.850	10	80.00	0	121	80	124				
Methylene chloride	40.950	5.0	40.00	0	102	65	136				
MTBE	34.330	5.0	40.00	0	85.8	65	130				
n-Butylbenzene	46.050	5.0	40.00	0	115	76	133				
n-Propylbenzene	46.770	5.0	40.00	0	117	76	131				
Naphthalene	36.760	5.0	40.00	0	91.9	58	127				
o-Xylene	44.480	5.0	40.00	0	111	75	121				
sec-Butylbenzene	44.060	5.0	40.00	0	110	76	133				
Styrene	42.690	5.0	40.00	0	107	80	120				
tert-Butylbenzene	42.770	5.0	40.00	0	107	73	130				
Tetrachloroethene	46.880	5.0	40.00	0	117	77	124				
Toluene	43.700	5.0	40.00	0	109	79	120				
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129				
Trichloroethene	45.210	5.0	40.00	0	113	80	120				
Trichlorofluoromethane	45.950	5.0	40.00	0	115	66	146				
Vinyl chloride	41.930	5.0	40.00	0	105	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.960		50.00		87.9	70	156				
Surr: 4-Bromofluorobenzene	52.900		50.00		106	73	129				
Surr: Dibromofluoromethane	45.780		50.00		91.6	73	146				
Surr: Toluene-d8	50.060		50.00		100	80	120				

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.730	5.0	40.00	0	107	78	127	45.09	5.37	20	
1,1,1-Trichloroethane	40.890	5.0	40.00	0	102	75	128	43.83	6.94	20	
1,1,2,2-Tetrachloroethane	40.950	5.0	40.00	0	102	78	126	42.84	4.51	20	
1,1,2-Trichloroethane	44.990	5.0	40.00	0	112	80	120	44.30	1.55	20	
1,1-Dichloroethane	39.670	5.0	40.00	0	99.2	65	136	41.36	4.17	20	
1,1-Dichloroethene	40.000	5.0	40.00	0	100	66	134	39.29	1.79	20	
1,1-Dichloropropene	45.430	5.0	40.00	0	114	79	128	49.38	8.33	20	
1,2,3-Trichlorobenzene	41.280	5.0	40.00	0	103	80	120	43.58	5.42	20	
1,2,3-Trichloropropane	40.460	5.0	40.00	0	101	79	123	37.07	8.75	20	
1,2,4-Trichlorobenzene	40.990	5.0	40.00	0	102	74	121	40.03	2.37	20	
1,2,4-Trimethylbenzene	44.390	5.0	40.00	0	111	79	128	46.07	3.71	20	
1,2-Dibromo-3-chloropropane	43.790	10	40.00	0	109	65	131	36.18	19.0	20	
1,2-Dibromoethane	41.670	5.0	40.00	0	104	79	124	42.35	1.62	20	
1,2-Dichlorobenzene	40.690	5.0	40.00	0	102	80	120	42.22	3.69	20	
1,2-Dichloroethane	39.610	5.0	40.00	0	99.0	80	120	45.50	13.8	20	
1,2-Dichloropropane	43.640	5.0	40.00	0	109	80	120	42.62	2.36	20	
1,3,5-Trimethylbenzene	43.260	5.0	40.00	0	108	76	129	44.83	3.56	20	
1,3-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120	42.33	0.260	20	
1,3-Dichloropropane	42.670	5.0	40.00	0	107	80	120	42.52	0.352	20	
1,4-Dichlorobenzene	42.440	5.0	40.00	0	106	80	120	43.02	1.36	20	
2,2-Dichloropropane	39.320	5.0	40.00	0	98.3	66	136	40.29	2.44	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	396.740	50	400.0	0	99.2	54	145	402.2	1.36	20	
2-Chlorotoluene	44.320	5.0	40.00	0	111	78	124	47.14	6.17	20	
4-Chlorotoluene	46.100	5.0	40.00	0	115	79	125	47.67	3.35	20	
4-Isopropyltoluene	42.590	5.0	40.00	0	106	75	130	43.32	1.70	20	
Benzene	43.330	5.0	40.00	0	108	80	120	48.21	10.7	20	
Bromobenzene	46.100	5.0	40.00	0	115	80	120	46.16	0.130	20	
Bromodichloromethane	40.390	5.0	40.00	0	101	80	127	44.15	8.90	20	
Bromoform	43.550	5.0	40.00	0	109	67	136	45.57	4.53	20	
Bromomethane	55.500	5.0	40.00	0	139	45	148	64.78	15.4	20	
Carbon tetrachloride	44.060	5.0	40.00	0	110	75	137	48.12	8.81	20	
Chlorobenzene	44.060	5.0	40.00	0	110	80	120	43.72	0.775	20	
Chloroethane	43.520	5.0	40.00	0	109	64	145	46.95	7.58	20	
Chloroform	40.300	5.0	40.00	0	101	75	120	41.01	1.75	20	
Chloromethane	45.940	5.0	40.00	0	115	58	139	48.59	5.61	20	
cis-1,2-Dichloroethene	42.320	5.0	40.00	0	106	76	120	41.49	1.98	20	
cis-1,3-Dichloropropene	40.460	5.0	40.00	0	101	77	128	43.57	7.40	20	
Dibromochloromethane	38.210	5.0	40.00	0	95.5	79	124	38.17	0.105	20	
Dibromomethane	45.130	5.0	40.00	0	113	80	120	49.60	9.44	20	
Dichlorodifluoromethane	36.690	5.0	40.00	0	91.7	64	137	42.97	15.8	20	
Ethylbenzene	44.780	5.0	40.00	0	112	79	120	48.04	7.02	20	
Freon-113	40.930	5.0	40.00	0	102	58	141	41.69	1.84	20	
Hexachlorobutadiene	39.990	5.0	40.00	0	100	72	126	44.84	11.4	20	
Isopropylbenzene	40.270	5.0	40.00	0	101	62	130	42.25	4.80	20	
m,p-Xylene	94.010	10	80.00	0	118	80	124	96.85	2.98	20	
Methylene chloride	42.200	5.0	40.00	0	106	65	136	40.95	3.01	20	
MTBE	36.420	5.0	40.00	0	91.1	65	130	34.33	5.91	20	
n-Butylbenzene	44.900	5.0	40.00	0	112	76	133	46.05	2.53	20	
n-Propylbenzene	45.160	5.0	40.00	0	113	76	131	46.77	3.50	20	
Naphthalene	37.190	5.0	40.00	0	93.0	58	127	36.76	1.16	20	
o-Xylene	43.100	5.0	40.00	0	108	75	121	44.48	3.15	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	41.540	5.0	40.00	0	104	76	133	44.06	5.89	20	
Styrene	42.700	5.0	40.00	0	107	80	120	42.69	0.0234	20	
tert-Butylbenzene	42.210	5.0	40.00	0	106	73	130	42.77	1.32	20	
Tetrachloroethene	42.660	5.0	40.00	0	107	77	124	46.88	9.43	20	
Toluene	40.010	5.0	40.00	0	100	79	120	43.70	8.82	20	
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129	41.24	0	20	
Trichloroethene	42.280	5.0	40.00	0	106	80	120	45.21	6.70	20	
Trichlorofluoromethane	44.930	5.0	40.00	0	112	66	146	45.95	2.24	20	
Vinyl chloride	42.000	5.0	40.00	0	105	68	141	41.93	0.167	20	
Surr: 1,2-Dichloroethane-d4	46.000		50.00		92.0	70	156		0		
Surr: 4-Bromofluorobenzene	51.220		50.00		102	73	129		0		
Surr: Dibromofluoromethane	47.160		50.00		94.3	73	146		0		
Surr: Toluene-d8	50.810		50.00		102	80	120		0		

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.900	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55.690		50.00		111	70	156				
Surr: 4-Bromofluorobenzene	45.780		50.00		91.6	73	129				
Surr: Dibromofluoromethane	54.360		50.00		109	73	146				
Surr: Toluene-d8	51.120		50.00		102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **LCS-74270** SampType: **LCS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **LCSS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415384**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	47.000	5.0	50.00	0	94.0	27	102				
2-Methylnaphthalene	35.000	5.0	50.00	0	70.0	34	105				
Acenaphthene	51.000	5.0	50.00	0	102	33	105				
Acenaphthylene	52.000	5.0	50.00	0	104	30	113				
Anthracene	46.500	5.0	50.00	0	93.0	35	106				
Benzo(a)anthracene	44.500	5.0	50.00	0	89.0	46	123				
Benzo(a)pyrene	32.500	5.0	50.00	0	65.0	45	112				
Benzo(b)fluoranthene	35.500	5.0	50.00	0	71.0	45	124				
Benzo(g,h,i)perylene	32.000	5.0	50.00	0	64.0	42	122				
Benzo(k)fluoranthene	32.500	5.0	50.00	0	65.0	42	128				
Chrysene	45.000	5.0	50.00	0	90.0	41	117				
Dibenz(a,h)anthracene	34.500	5.0	50.00	0	69.0	44	129				
Fluoranthene	45.500	5.0	50.00	0	91.0	41	120				
Fluorene	49.500	5.0	50.00	0	99.0	35	108				
Indeno(1,2,3-cd)pyrene	34.000	5.0	50.00	0	68.0	44	128				
Naphthalene	39.500	5.0	50.00	0	79.0	30	103				
Phenanthrene	46.000	5.0	50.00	0	92.0	36	109				
Pyrene	47.500	5.0	50.00	0	95.0	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.500		50.00		73.0	26	102				
Surr: 2-Fluorobiphenyl	46.000		50.00		92.0	27	106				
Surr: 4-Terphenyl-d14	38.000		50.00		76.0	35	123				
Surr: Nitrobenzene-d5	40.500		50.00		81.0	30	104				

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	5.0									
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	37.500		50.00		75.0	26	102				
Surr: 2-Fluorobiphenyl	50.000		50.00		100	27	106				
Surr: 4-Terphenyl-d14	41.500		50.00		83.0	35	123				
Surr: Nitrobenzene-d5	41.000		50.00		82.0	30	104				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	199.599	5.0	200.6	0	99.5	27	102				
2-Methylnaphthalene	134.905	5.0	200.6	0	67.2	34	105				
Acenaphthene	215.647	5.0	200.6	0	108	33	105				S
Acenaphthylene	231.695	5.0	200.6	1.002	115	30	113				S
Anthracene	185.055	5.0	200.6	0	92.2	35	106				
Benzo(a)anthracene	175.527	5.0	200.6	3.006	86.0	46	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	134.403	5.0	200.6	3.006	65.5	45	112				
Benzo(b)fluoranthene	142.929	5.0	200.6	5.511	68.5	45	124				
Benzo(g,h,i)perylene	72.718	5.0	200.6	2.505	35.0	42	122				S
Benzo(k)fluoranthene	143.430	5.0	200.6	1.503	70.8	42	128				
Chrysene	172.016	5.0	200.6	5.511	83.0	41	117				
Dibenz(a,h)anthracene	97.292	5.0	200.6	0	48.5	44	129				
Fluoranthene	195.587	5.0	200.6	4.509	95.3	41	120				
Fluorene	211.635	5.0	200.6	0	106	35	108				
Indeno(1,2,3-cd)pyrene	91.274	5.0	200.6	1.503	44.8	44	128				
Naphthalene	149.448	5.0	200.6	0	74.5	30	103				
Phenanthrene	187.061	5.0	200.6	1.503	92.5	36	109				
Pyrene	199.097	5.0	200.6	7.014	95.8	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.108		50.15		72.0	26	102				
Surr: 2-Fluorobiphenyl	50.652		50.15		101	27	106				
Surr: 4-Terphenyl-d14	40.622		50.15		81.0	35	123				
Surr: Nitrobenzene-d5	40.622		50.15		81.0	30	104				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	213.246	5.0	200.7	0	106	27	102	199.6	6.61	20	S
2-Methylnaphthalene	142.499	5.0	200.7	0	71.0	34	105	134.9	5.48	20	
Acenaphthene	229.303	5.0	200.7	0	114	33	105	215.6	6.14	20	S
Acenaphthylene	246.362	5.0	200.7	1.002	122	30	113	231.7	6.14	20	S
Anthracene	198.695	5.0	200.7	0	99.0	35	106	185.1	7.11	20	
Benzo(a)anthracene	188.660	5.0	200.7	3.006	92.5	46	123	175.5	7.21	20	
Benzo(a)pyrene	143.502	5.0	200.7	3.006	70.0	45	112	134.4	6.55	20	
Benzo(b)fluoranthene	155.544	5.0	200.7	5.511	74.8	45	124	142.9	8.45	20	
Benzo(g,h,i)perylene	65.730	5.0	200.7	2.505	31.5	42	122	72.72	10.1	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	158.555	5.0	200.7	1.503	78.3	42	128	143.4	10.0	20	
Chrysene	185.148	5.0	200.7	5.511	89.5	41	117	172.0	7.35	20	
Dibenz(a,h)anthracene	92.825	5.0	200.7	0	46.3	44	129	97.29	4.70	20	
Fluoranthene	203.211	5.0	200.7	4.509	99.0	41	120	195.6	3.82	20	
Fluorene	226.292	5.0	200.7	0	113	35	108	211.6	6.69	20	S
Indeno(1,2,3-cd)pyrene	86.804	5.0	200.7	1.503	42.5	44	128	91.27	5.02	20	S
Naphthalene	156.046	5.0	200.7	0	77.8	30	103	149.4	4.32	20	
Phenanthrene	194.681	5.0	200.7	1.503	96.3	36	109	187.1	3.99	20	
Pyrene	212.745	5.0	200.7	7.014	103	42	123	199.1	6.63	20	
Surr: 1,2-Dichlorobenzene-d4	37.632		50.18		75.0	26	102		0		
Surr: 2-Fluorobiphenyl	53.186		50.18		106	27	106		0		S
Surr: 4-Terphenyl-d14	43.653		50.18		87.0	35	123		0		
Surr: Nitrobenzene-d5	42.649		50.18		85.0	30	104		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B2@1.0	6/12/19	1128	6	Soil			X	X	X			X				N036033-01
B2@5		1145					X	X	X			X				-02
B2@10		1206														ON HOLD -03
B2@15		1205														ON HOLD -04
B3@1.0		0920					X	X	X		X	X				-05
B3@5		0950					X	X	X		X	X				-06
B3@10		1005														ON HOLD -07
B3@15		1020														ON HOLD -08

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/13/19	1145	Karla Sevilla	6/13/19	1145
Karla Sevilla	6/13/19	1700	MARIANNE SANTOS	6/13/19	1700
MARIANNE SANTOS	6/13/19	1700	Roquez	6/14/19	8:15 am

SPECIAL INSTRUCTIONS: 1.9°C on #2
GSO #: 4887

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 6/13/2019 Workorder: N036033

Rep sample Temp (Deg C): 1.9 IR Gun ID: 2

Temp Blank: ☑ Yes ☐ No

Carrier name: Golden State Overnight

Last 4 digits of Tracking No.: 4881 Packing Material Used: Bubble Wrap

Cooling process: ☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 6/17/2019 Reviewed By: MS 6/18/2019

ASSET Laboratories

WORK ORDER Summary

18-Jun-19

WorkOrder: N036033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020- **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036033-001A	B2@1.0	6/12/2019 11:28:00 AM	6/20/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036033-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036033-001C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036033-001D							☐	☐	☐	V-CA
N036033-001E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036033-001F							☐	☐	☐	VS
N036033-001G							☐	☐	☐	V-CA
N036033-002A	B2@5	6/12/2019 11:45:00 AM	6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

18-Jun-19

WorkOrder: N036033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020- **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036033-002A	B2@5	6/12/2019 11:45:00 AM	6/20/2019	Soil	EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036033-002B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036033-002C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036033-002D							☐	☐	☐	V-CA
N036033-002E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036033-002F							☐	☐	☐	VS
N036033-002G							☐	☐	☐	VS
N036033-003A	B2@10	6/12/2019 12:00:00 PM					☐	☐	☐	WS
N036033-003B							☐	☐	☐	V-CA
N036033-003C							☐	☐	☐	V-CA
N036033-003D							☐	☐	☐	VS
N036033-003E							☐	☐	☐	VS
N036033-003F							☐	☐	☐	V-CA
N036033-004A	B2@15	6/12/2019 12:05:00 PM					☐	☐	☐	WS
N036033-004B							☐	☐	☐	V-CA
N036033-004C							☐	☐	☐	V-CA
N036033-004D							☐	☐	☐	VS

ASSET Laboratories

WORK ORDER Summary

18-Jun-19

WorkOrder: N036033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020- **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036033-004E	B2@15	6/12/2019 12:05:00 PM		Soil			☐	☐	☐	VS
N036033-004F							☐	☐	☐	V-CA
N036033-005A	B3@1.0	6/12/2019 9:28:00 AM	6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036033-005B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036033-005C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036033-005D							☐	☐	☐	V-CA
N036033-005E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036033-005F							☐	☐	☐	VS
N036033-005G							☐	☐	☐	V-CA
N036033-006A	B3@5	6/12/2019 9:50:00 AM	6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

18-Jun-19

WorkOrder: N036033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020- **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036033-006A	B3@5	6/12/2019 9:50:00 AM	6/20/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036033-006B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036033-006C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036033-006D							☐	☐	☐	V-CA
N036033-006E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036033-006F							☐	☐	☐	VS
N036033-006G							☐	☐	☐	V-CA
N036033-007A	B3@10	6/12/2019 10:05:00 AM					☐	☐	☐	WS
N036033-007B							☐	☐	☐	V-CA
N036033-007C							☐	☐	☐	V-CA
N036033-007D							☐	☐	☐	VS

ASSET Laboratories

WORK ORDER Summary

18-Jun-19

WorkOrder: N036033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020- **QC Level:** RTNE

Date Received: 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036033-007E	B3@10	6/12/2019 10:05:00 AM		Soil			☐	☐	☐	VS
N036033-007F							☐	☐	☐	V-CA
N036033-008A	B3@15	6/12/2019 10:20:00 AM					☐	☐	☐	WS
N036033-008B							☐	☐	☐	V-CA
N036033-008C							☐	☐	☐	V-CA
N036033-008D							☐	☐	☐	VS
N036033-008E							☐	☐	☐	VS
N036033-008F							☐	☐	☐	V-CA
N036033-009A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	☐	☐	☐	LAB
			6/20/2019		Folder	Folder	☐	☐	☐	LAB

GSO GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545154881

CPS

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

C89102A

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

4216139

LVS NV891-C51

Print Date: 6/13/2019 6:06 PM

Package 2 of 3

LABEL INSTRUCTIONS:

IR# 1.9

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client:	ASSET Laboratories
Address:	11110 Artesia Blvd Ste B
Address:	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Submitted By:	Marianne Santos
Title:	
Signature:	
Date:	

I hereby authorize ASSET Labs to perform the tests indicated below:

Project Name: PEA-E: Abraham Lincoln High School

Project Number: 12-020-07

Report to:	Marianne Santos
Company:	ASSET Laboratories
Email:	marianne@assetlaboratories.com reports@assetlaboratories.com
Address:	11110 Artesia Blvd Ste B Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Sampled by:	Signed

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Bill to:	Elvira Allegaert/Accounts Payable
Address:	11110 Artesia Blvd Ste B Cerritos, CA 90703
Email to:	elvira@assetlaboratories.com
PO#	N36033A
Phone:	562.219.7435
Fax:	562.219.7436

EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:

Global ID:

QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐

Specify State:

Sample Receipt Condition

	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		

Sample Temp:

Courier:

Tracking No.

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☒ NPDES ☐ Other Solid ☐ Surface ☐

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except Mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		B2 @ 1.0	6/12/19	1128		X		X	E	1	C		
2		B2 @ 5	↓	1145		↓		↓	↓	↓	↓		
3		B3 @ 1.0	↓	0928		↓		↓	↓	↓	↓		
4		B3 @ 5	↓	0950		↓		↓	↓	↓	↓		
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Karla Sevilla	6/14/19 1714		6/14/19 1412
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
Regular TAT is 5-7 business days, surcharges will apply for rush analysis
Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
Custom EDD formats will be an additional 3% of the total project price.
Add 20% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharges applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis. TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO3	S = H2SO4	C = 4°C
Z = Zn(AC)2	O = NaOH	T = Na2S2O3	
Others/Specify:			

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy

Yellow = Customer's Copy

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Number of Pages 4
Date Received 06/14/2019
Date Reported 06/27/2019

Job Number	Order Date	Client
98585	06/14/2019	ASSET

Project ID: 12-020-07
Project Name: PO#N36033A
Site: PEA-E-Abraham Lincoln HS

Enclosed please find results of analyses of 4 solid samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

98585

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client:	ASSET Laboratories
Address:	11110 Artesia Blvd Ste B
Address:	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Submitted By:	Marianne Santos
Title:	
Signature:	
Date:	

I hereby authorize ASSET Labs to perform the tests indicated below:

Project Name: PEA-E: Abraham Lincoln High School
Project Number: 12-020-07

Report to:	Marianne Santos
Company:	ASSET Laboratories
Email:	marianne@assetlaboratories.com reports@assetlaboratories.com
Address:	11110 Artesia Blvd Ste B Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Sampled by:	Signed

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Bill to:	Elvira Allegaert/Accounts Payable
Address:	11110 Artesia Blvd Ste B Cerritos, CA 90703
Email to:	elvira@assetlaboratories.com
PO#	N36033A
Phone:	562.219.7435
Fax:	562.219.7436

EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:

Global ID:

QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐ Specify State:

Sampe Receipt Condition

	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		

Sample Temp:

Courier:

Tracking No.

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☒ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: CAM 17 (except mercury)

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	98585.01	B2 @ 1.0	6/12/19	1128		X		X	E	1	G		
2	98585.02	B2 @ 5	↓	1145		↓		↓	↓	↓	↓		
3	98585.03	B3 @ 1.0		0928									
4	98585.04	B3 @ 5	↓	0950		↓		↓					
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Karla Sevilla	6/14/19 1714		6/14/19 1412
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratrories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	

Others/Specify:

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy

Yellow = Customer's Copy

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: AssetHab
Project Name:
AETL Job Number: 98585
Date Received: 06/14/19 Received by: Ant
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (/) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.3°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify):
How are samples preserved: ☐ None, ☒ Ice , ☐ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/27/2019

Job Number	Order Date	Client
98585	06/14/2019	ASSET

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 4 samples with the following specification on 06/14/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
98585.01	B2@1.0	06/12/2019	Solid	1
98585.02	B2@5	06/12/2019	Solid	1
98585.03	B3@1.0	06/12/2019	Solid	1
98585.04	B3@5	06/12/2019	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/21/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E-Abraham Lincoln HS

Page: 2

Project ID: 12-020-07
Project Name: PO#N36033A

AETL Job Number	Submitted	Client
98585	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4

Our Lab I.D.			Method Blank	**98585.01**	**98585.02**	**98585.03**	**98585.04**
Client Sample I.D.				B2@1.0	B2@5	B3@1.0	B3@5
Date Sampled				06/12/2019	06/12/2019	06/12/2019	06/12/2019
Date Prepared			06/17/2019	06/17/2019	06/17/2019	06/17/2019	06/17/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/19/2019
Matrix			Solid	Solid	Solid	Solid	Solid
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	107	105	103	119
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	16.7	17.7	18.9	17.6
Cobalt	2.5	5.0	ND	9.01	6.93	8.10	6.42
Copper	2.5	5.0	ND	16.4	20.6	16.3	21.2
Lead	2.5	5.0	ND	5.23	7.90	10.4	10.8
Molybdenum	2.0	5.0	ND	ND	2.18J	ND	2.24J
Nickel	2.5	5.0	ND	10.8	17.8	11.4	18.9
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	33.0	43.0	34.9	39.2
Zinc	2.5	5.0	ND	54.7	59.9	55.5	61.8

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QUALITY CONTROL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E-Abraham Lincoln HS

Page: 3

Project ID: 12-020-07
Project Name: PO#N36033A

AETL Job Number	Submitted	Client
98585	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.5	103	50.0	52.5	105	1.9	75-125	<15
Arsenic	0.00	50.0	40.6	81.2	50.0	41.0	82.0	<1	75-125	<15
Barium	107	50.0	158	102	50.0	158	102	<1	75-125	<15
Beryllium	0.00	50.0	43.3	86.6	50.0	43.2	86.4	<1	75-125	<15
Cadmium	0.00	50.0	44.0	88.0	50.0	44.1	88.2	<1	75-125	<15
Chromium	16.7	50.0	61.2	89.0	50.0	61.2	89.0	<1	75-125	<15
Cobalt	9.01	50.0	50.3	82.6	50.0	50.4	82.8	<1	75-125	<15
Copper	16.4	50.0	66.9	101	50.0	66.4	100	<1	75-125	<15
Lead	5.23	50.0	45.2	79.9	50.0	45.4	80.3	<1	75-125	<15
Molybdenum	0.00	50.0	45.6	91.2	50.0	46.0	92.0	<1	75-125	<15
Nickel	10.8	50.0	52.0	82.4	50.0	52.0	82.4	<1	75-125	<15
Selenium	0.00	50.0	26.5 #	53.0	50.0	24.9 #	49.8	6.2	75-125	<15
Silver	0.00	50.0	41.7	83.4	50.0	41.6	83.2	<1	75-125	<15
Thallium	0.00	50.0	24.7 #	49.4	50.0	25.3 #	50.6	2.4	75-125	<15
Vanadium	33.0	50.0	80.1	94.2	50.0	80.0	94.0	<1	75-125	<15
Zinc	54.7	50.0	99.2	89.0	50.0	98.9	88.4	<1	75-125	<15

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	57.5	115	50.0	57.5	115	<1	75-125	<15	
Arsenic	50.0	56.5	113	50.0	56.0	112	<1	75-125	<15	
Barium	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Beryllium	50.0	57.0	114	50.0	56.0	112	1.8	75-125	<15	
Cadmium	50.0	56.5	113	50.0	56.0	112	<1	75-125	<15	
Chromium	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Cobalt	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15	
Copper	50.0	54.5	109	50.0	53.5	107	1.9	75-125	<15	
Lead	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 12-020-07
Project Name: PO#N36033A

AETL Job Number	Submitted	Client
98585	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Nickel	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Selenium	50.0	60.5	121	50.0	60.5	121	<1	75-125	<15	
Silver	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Thallium	50.0	52.0	104	50.0	51.0	102	1.9	75-125	<15	
Vanadium	50.0	55.0	110	50.0	54.5	109	<1	75-125	<15	
Zinc	50.0	60.0	120	50.0	59.5	119	<1	75-125	<15	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

July 08, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036034

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 13, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to American Environmental Testing Laboratory (AETL), Burbank, CA.

Analytical Comments For EPA 8015B_DRO/ORO:

Matrix Spike Duplicate (MSD) is outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comment For EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 4,4´-DDT possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comment For EPA 8260B:

Laboratory Control Sample (LCS) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the samples were not necessary.

Analytical Comment For EPA 8270C_SIM:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036034
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036034-001A	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-001B	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-001C	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-001D	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-001E	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-001F	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-001G	B1@1.0	Soil	6/12/2019 2:35:00 PM	6/13/2019	7/8/2019
N036034-002A	B24@0.5	Soil	6/12/2019 4:46:00 PM	6/13/2019	7/8/2019
N036034-003A	B24@1.5	Soil	6/12/2019 4:48:00 PM	6/13/2019	7/8/2019
N036034-004A	B24@3.0	Soil	6/12/2019 4:50:00 PM	6/13/2019	7/8/2019
N036034-005A	B25@0.5	Soil	6/12/2019 4:54:00 PM	6/13/2019	7/8/2019
N036034-006A	B25@1.5	Soil	6/12/2019 4:56:00 PM	6/13/2019	7/8/2019
N036034-007A	B25@3.0	Soil	6/12/2019 4:58:00 PM	6/13/2019	7/8/2019

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B1@1.0
Lab Order:	N036034	**Collection Date:**	6/12/2019 2:35:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036034-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Acenaphthene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Acenaphthylene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Chrysene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Fluoranthene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Fluorene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Naphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Phenanthrene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:30 PM
Surr: 1,2-Dichlorobenzene-d4	73.0	26-102		%REC	1	6/20/2019 11:30 PM
Surr: 2-Fluorobiphenyl	104	27-106		%REC	1	6/20/2019 11:30 PM
Surr: 4-Terphenyl-d14	83.0	35-123		%REC	1	6/20/2019 11:30 PM
Surr: Nitrobenzene-d5	82.0	30-104		%REC	1	6/20/2019 11:30 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,1,1-Trichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,1,2,2-Tetrachloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,1,2-Trichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,1-Dichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,1-Dichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,1-Dichloropropene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2,3-Trichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2,3-Trichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2,4-Trichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2,4-Trimethylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B1@1.0
Lab Order:	N036034	**Collection Date:**	6/12/2019 2:35:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036034-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	8.8		µg/Kg	1	6/19/2019 09:16 PM
1,2-Dibromoethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2-Dichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2-Dichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,2-Dichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,3,5-Trimethylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,3-Dichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,3-Dichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
1,4-Dichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
2,2-Dichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
2-Butanone	ND	44		µg/Kg	1	6/19/2019 09:16 PM
2-Chlorotoluene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
4-Chlorotoluene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
4-Isopropyltoluene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Benzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Bromobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Bromodichloromethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Bromoform	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Bromomethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Carbon tetrachloride	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Chlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Chloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Chloroform	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Chloromethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
cis-1,2-Dichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
cis-1,3-Dichloropropene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Dibromochloromethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Dibromomethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Dichlorodifluoromethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Ethylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Freon-113	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Hexachlorobutadiene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Isopropylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
m,p-Xylene	ND	8.8		µg/Kg	1	6/19/2019 09:16 PM
Methylene chloride	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
MTBE	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B1@1.0
Lab Order:	N036034	**Collection Date:**	6/12/2019 2:35:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036034-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
n-Propylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Naphthalene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
o-Xylene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
sec-Butylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Styrene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
tert-Butylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Tetrachloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Toluene	4.4	4.4		µg/Kg	1	6/19/2019 09:16 PM
trans-1,2-Dichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Trichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Trichlorofluoromethane	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Vinyl chloride	ND	4.4		µg/Kg	1	6/19/2019 09:16 PM
Surr: 1,2-Dichloroethane-d4	147	70-156		%REC	1	6/19/2019 09:16 PM
Surr: 4-Bromofluorobenzene	91.0	73-129		%REC	1	6/19/2019 09:16 PM
Surr: Dibromofluoromethane	124	73-146		%REC	1	6/19/2019 09:16 PM
Surr: Toluene-d8	106	80-120		%REC	1	6/19/2019 09:16 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B / **EPA 8015B**						
RunID: NV00922-GC3_190706C QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	11	9.9		mg/Kg	1	7/6/2019 09:09 PM
ORO	23	9.9		mg/Kg	1	7/6/2019 09:09 PM
Surr: p-Terphenyl	97.8	56-133		%REC	1	7/6/2019 09:09 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.86		mg/Kg	1	6/15/2019 01:20 PM
Surr: Chlorobenzene - d5	122	47-163		%REC	1	6/15/2019 01:20 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.099		mg/Kg	1	6/18/2019 11:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B24@0.5
Lab Order:	N036034	**Collection Date:**	6/12/2019 4:46:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036034-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 02:10 AM
4,4´-DDE	12	2.0		µg/Kg	1	6/20/2019 02:10 AM
4,4´-DDT	11	2.0		µg/Kg	1	6/20/2019 02:10 AM
Chlordane	140	8.5		µg/Kg	1	6/20/2019 02:10 AM
Surr: Tetrachloro-m-xylene	108	24-109		%REC	1	6/20/2019 02:10 AM
Surr: Decachlorobiphenyl	41.4	23-115		%REC	1	6/20/2019 02:10 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	15	0.50		mg/Kg	1	6/26/2019 06:43 PM
Lead	210	1.2		mg/Kg	5	6/26/2019 07:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B25@0.5
Lab Order:	N036034	**Collection Date:**	6/12/2019 4:54:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036034-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 02:35 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 02:35 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 02:35 AM
Chlordane	ND	8.6		µg/Kg	1	6/20/2019 02:35 AM
Surr: Tetrachloro-m-xylene	69.8	24-109		%REC	1	6/20/2019 02:35 AM
Surr: Decachlorobiphenyl	43.3	23-115		%REC	1	6/20/2019 02:35 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	3.2	0.50		mg/Kg	1	6/26/2019 06:48 PM
Lead	37	0.25		mg/Kg	1	6/26/2019 06:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74236** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **PBS** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74236** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **LCSS** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.172	0.50	5.000	0	103	85	115				
Lead	4.645	0.25	5.000	0	92.9	85	115				

Sample ID: **N035992-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **ZZZZZZ** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.274	0.50	4.998	3.489	95.8	75	125				
Lead	58.967	0.25	4.998	41.40	352	75	125				S

Sample ID: **N035992-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **ZZZZZZ** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.195	0.50	4.998	3.489	94.2	75	125	8.274	0.957	20	
Lead	59.602	0.25	4.998	41.40	364	75	125	58.97	1.07	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-74239** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **PBS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-74239** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **LCSS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.421	0.10	0.4167	0	101	80	120				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.445	0.099	0.4105	0.03221	101	75	125				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.436	0.099	0.4105	0.03221	98.4	75	125	0.4455	2.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74282** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **PBS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	ND	10									
Surr: p-Terphenyl	81.330		80.00		102	56	133				

Sample ID: **LCS-74282** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **LCSS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	934.375	10	1000	0	93.4	69	123				
Surr: p-Terphenyl	82.689		80.00		103	56	133				

Sample ID: **N036149-001B-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1030.895	20	990.1	325.1	71.3	46	142				
Surr: p-Terphenyl	86.679		79.21		109	56	133				

Sample ID: **N036149-001B-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	10.701	0.20	9.930	325.1	-3170	46	142	1031	196	20	SR
Surr: p-Terphenyl	0.865		0.7944		109	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190615LCS** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.576	1.0	5.000	0	91.5	72	136				
Surr: Chlorobenzene - d5	92.391		100.0		92.4	47	163				

Sample ID: **E190615LCSD** SampType: **LCSD** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS02** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.403	1.0	5.000	0	88.1	72	136	4.576	3.85	20	
Surr: Chlorobenzene - d5	89.332		100.0		89.3	47	163		0		

Sample ID: **E190615MB1** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **PBS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	112.232		100.0		112	47	163				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74243_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **LCSS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.928	2.0	16.67	0	95.5	57	132				
4,4´-DDE	15.175	2.0	16.67	0	91.0	52	129				
4,4´-DDT	15.073	2.0	16.67	0	90.4	57	131				
Surr: Tetrachloro-m-xylene	12.548		16.67		75.3	24	109				
Surr: Decachlorobiphenyl	12.560		16.67		75.3	23	115				

Sample ID: **MB-74243** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **PBS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.535		16.67		75.2	24	109				
Surr: Decachlorobiphenyl	12.243		16.67		73.4	23	115				

Sample ID: **N035978-013A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	20.310	2.0	16.69	0	122	57	132				
4,4´-DDE	15.389	2.0	16.69	0	92.2	52	129				
4,4´-DDT	15.490	2.0	16.69	7.305	49.0	57	131				S
Surr: Tetrachloro-m-xylene	12.001		16.69		71.9	24	109				
Surr: Decachlorobiphenyl	10.933		16.69		65.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID:	**N035978-013A-MSD**	SampType:	**MSD**	TestCode:	**8081SOIL_M**	Units:	**µg/Kg**	Prep Date:	**6/17/2019**	RunNo:	**134614**		
Client ID:	**ZZZZZZ**	Batch ID:	**74243**	TestNo:	**EPA 8081A**		**EPA 3546**	Analysis Date:	**6/19/2019**	SeqNo:	**3416048**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	19.788	2.0	16.78	0	118	57	132	20.31	2.61	20	
4,4´-DDE	14.097	2.0	16.78	0	84.0	52	129	15.39	8.76	20	
4,4´-DDT	14.018	2.0	16.78	7.305	40.0	57	131	15.49	9.98	20	S
Surr: Tetrachloro-m-xylene	11.117		16.78		66.2	24	109		0		
Surr: Decachlorobiphenyl	10.513		16.78		62.6	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.090	5.0	40.00	0	113	78	127				
1,1,1-Trichloroethane	43.830	5.0	40.00	0	110	75	128				
1,1,2,2-Tetrachloroethane	42.840	5.0	40.00	0	107	78	126				
1,1,2-Trichloroethane	44.300	5.0	40.00	0	111	80	120				
1,1-Dichloroethane	41.360	5.0	40.00	0	103	65	136				
1,1-Dichloroethene	39.290	5.0	40.00	0	98.2	66	134				
1,1-Dichloropropene	49.380	5.0	40.00	0	123	79	128				
1,2,3-Trichlorobenzene	43.580	5.0	40.00	0	109	80	120				
1,2,3-Trichloropropane	37.070	5.0	40.00	0	92.7	79	123				
1,2,4-Trichlorobenzene	40.030	5.0	40.00	0	100	74	121				
1,2,4-Trimethylbenzene	46.070	5.0	40.00	0	115	79	128				
1,2-Dibromo-3-chloropropane	36.180	10	40.00	0	90.4	65	131				
1,2-Dibromoethane	42.350	5.0	40.00	0	106	79	124				
1,2-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120				
1,2-Dichloroethane	45.500	5.0	40.00	0	114	80	120				
1,2-Dichloropropane	42.620	5.0	40.00	0	107	80	120				
1,3,5-Trimethylbenzene	44.830	5.0	40.00	0	112	76	129				
1,3-Dichlorobenzene	42.330	5.0	40.00	0	106	80	120				
1,3-Dichloropropane	42.520	5.0	40.00	0	106	80	120				
1,4-Dichlorobenzene	43.020	5.0	40.00	0	108	80	120				
2,2-Dichloropropane	40.290	5.0	40.00	0	101	66	136				
2-Butanone	402.170	50	400.0	0	101	54	145				
2-Chlorotoluene	47.140	5.0	40.00	0	118	78	124				
4-Chlorotoluene	47.670	5.0	40.00	0	119	79	125				
4-Isopropyltoluene	43.320	5.0	40.00	0	108	75	130				
Benzene	48.210	5.0	40.00	0	121	80	120				S
Bromobenzene	46.160	5.0	40.00	0	115	80	120				
Bromodichloromethane	44.150	5.0	40.00	0	110	80	127				
Bromoform	45.570	5.0	40.00	0	114	67	136				
Bromomethane	64.780	5.0	40.00	0	162	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	48.120	5.0	40.00	0	120	75	137				
Chlorobenzene	43.720	5.0	40.00	0	109	80	120				
Chloroethane	46.950	5.0	40.00	0	117	64	145				
Chloroform	41.010	5.0	40.00	0	103	75	120				
Chloromethane	48.590	5.0	40.00	0	121	58	139				
cis-1,2-Dichloroethene	41.490	5.0	40.00	0	104	76	120				
cis-1,3-Dichloropropene	43.570	5.0	40.00	0	109	77	128				
Dibromochloromethane	38.170	5.0	40.00	0	95.4	79	124				
Dibromomethane	49.600	5.0	40.00	0	124	80	120				S
Dichlorodifluoromethane	42.970	5.0	40.00	0	107	64	137				
Ethylbenzene	48.040	5.0	40.00	0	120	79	120				S
Freon-113	41.690	5.0	40.00	0	104	58	141				
Hexachlorobutadiene	44.840	5.0	40.00	0	112	72	126				
Isopropylbenzene	42.250	5.0	40.00	0	106	62	130				
m,p-Xylene	96.850	10	80.00	0	121	80	124				
Methylene chloride	40.950	5.0	40.00	0	102	65	136				
MTBE	34.330	5.0	40.00	0	85.8	65	130				
n-Butylbenzene	46.050	5.0	40.00	0	115	76	133				
n-Propylbenzene	46.770	5.0	40.00	0	117	76	131				
Naphthalene	36.760	5.0	40.00	0	91.9	58	127				
o-Xylene	44.480	5.0	40.00	0	111	75	121				
sec-Butylbenzene	44.060	5.0	40.00	0	110	76	133				
Styrene	42.690	5.0	40.00	0	107	80	120				
tert-Butylbenzene	42.770	5.0	40.00	0	107	73	130				
Tetrachloroethene	46.880	5.0	40.00	0	117	77	124				
Toluene	43.700	5.0	40.00	0	109	79	120				
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129				
Trichloroethene	45.210	5.0	40.00	0	113	80	120				
Trichlorofluoromethane	45.950	5.0	40.00	0	115	66	146				
Vinyl chloride	41.930	5.0	40.00	0	105	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.960		50.00		87.9	70	156				
Surr: 4-Bromofluorobenzene	52.900		50.00		106	73	129				
Surr: Dibromofluoromethane	45.780		50.00		91.6	73	146				
Surr: Toluene-d8	50.060		50.00		100	80	120				

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.730	5.0	40.00	0	107	78	127	45.09	5.37	20	
1,1,1-Trichloroethane	40.890	5.0	40.00	0	102	75	128	43.83	6.94	20	
1,1,2,2-Tetrachloroethane	40.950	5.0	40.00	0	102	78	126	42.84	4.51	20	
1,1,2-Trichloroethane	44.990	5.0	40.00	0	112	80	120	44.30	1.55	20	
1,1-Dichloroethane	39.670	5.0	40.00	0	99.2	65	136	41.36	4.17	20	
1,1-Dichloroethene	40.000	5.0	40.00	0	100	66	134	39.29	1.79	20	
1,1-Dichloropropene	45.430	5.0	40.00	0	114	79	128	49.38	8.33	20	
1,2,3-Trichlorobenzene	41.280	5.0	40.00	0	103	80	120	43.58	5.42	20	
1,2,3-Trichloropropane	40.460	5.0	40.00	0	101	79	123	37.07	8.75	20	
1,2,4-Trichlorobenzene	40.990	5.0	40.00	0	102	74	121	40.03	2.37	20	
1,2,4-Trimethylbenzene	44.390	5.0	40.00	0	111	79	128	46.07	3.71	20	
1,2-Dibromo-3-chloropropane	43.790	10	40.00	0	109	65	131	36.18	19.0	20	
1,2-Dibromoethane	41.670	5.0	40.00	0	104	79	124	42.35	1.62	20	
1,2-Dichlorobenzene	40.690	5.0	40.00	0	102	80	120	42.22	3.69	20	
1,2-Dichloroethane	39.610	5.0	40.00	0	99.0	80	120	45.50	13.8	20	
1,2-Dichloropropane	43.640	5.0	40.00	0	109	80	120	42.62	2.36	20	
1,3,5-Trimethylbenzene	43.260	5.0	40.00	0	108	76	129	44.83	3.56	20	
1,3-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120	42.33	0.260	20	
1,3-Dichloropropane	42.670	5.0	40.00	0	107	80	120	42.52	0.352	20	
1,4-Dichlorobenzene	42.440	5.0	40.00	0	106	80	120	43.02	1.36	20	
2,2-Dichloropropane	39.320	5.0	40.00	0	98.3	66	136	40.29	2.44	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	396.740	50	400.0	0	99.2	54	145	402.2	1.36	20	
2-Chlorotoluene	44.320	5.0	40.00	0	111	78	124	47.14	6.17	20	
4-Chlorotoluene	46.100	5.0	40.00	0	115	79	125	47.67	3.35	20	
4-Isopropyltoluene	42.590	5.0	40.00	0	106	75	130	43.32	1.70	20	
Benzene	43.330	5.0	40.00	0	108	80	120	48.21	10.7	20	
Bromobenzene	46.100	5.0	40.00	0	115	80	120	46.16	0.130	20	
Bromodichloromethane	40.390	5.0	40.00	0	101	80	127	44.15	8.90	20	
Bromoform	43.550	5.0	40.00	0	109	67	136	45.57	4.53	20	
Bromomethane	55.500	5.0	40.00	0	139	45	148	64.78	15.4	20	
Carbon tetrachloride	44.060	5.0	40.00	0	110	75	137	48.12	8.81	20	
Chlorobenzene	44.060	5.0	40.00	0	110	80	120	43.72	0.775	20	
Chloroethane	43.520	5.0	40.00	0	109	64	145	46.95	7.58	20	
Chloroform	40.300	5.0	40.00	0	101	75	120	41.01	1.75	20	
Chloromethane	45.940	5.0	40.00	0	115	58	139	48.59	5.61	20	
cis-1,2-Dichloroethene	42.320	5.0	40.00	0	106	76	120	41.49	1.98	20	
cis-1,3-Dichloropropene	40.460	5.0	40.00	0	101	77	128	43.57	7.40	20	
Dibromochloromethane	38.210	5.0	40.00	0	95.5	79	124	38.17	0.105	20	
Dibromomethane	45.130	5.0	40.00	0	113	80	120	49.60	9.44	20	
Dichlorodifluoromethane	36.690	5.0	40.00	0	91.7	64	137	42.97	15.8	20	
Ethylbenzene	44.780	5.0	40.00	0	112	79	120	48.04	7.02	20	
Freon-113	40.930	5.0	40.00	0	102	58	141	41.69	1.84	20	
Hexachlorobutadiene	39.990	5.0	40.00	0	100	72	126	44.84	11.4	20	
Isopropylbenzene	40.270	5.0	40.00	0	101	62	130	42.25	4.80	20	
m,p-Xylene	94.010	10	80.00	0	118	80	124	96.85	2.98	20	
Methylene chloride	42.200	5.0	40.00	0	106	65	136	40.95	3.01	20	
MTBE	36.420	5.0	40.00	0	91.1	65	130	34.33	5.91	20	
n-Butylbenzene	44.900	5.0	40.00	0	112	76	133	46.05	2.53	20	
n-Propylbenzene	45.160	5.0	40.00	0	113	76	131	46.77	3.50	20	
Naphthalene	37.190	5.0	40.00	0	93.0	58	127	36.76	1.16	20	
o-Xylene	43.100	5.0	40.00	0	108	75	121	44.48	3.15	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	41.540	5.0	40.00	0	104	76	133	44.06	5.89	20	
Styrene	42.700	5.0	40.00	0	107	80	120	42.69	0.0234	20	
tert-Butylbenzene	42.210	5.0	40.00	0	106	73	130	42.77	1.32	20	
Tetrachloroethene	42.660	5.0	40.00	0	107	77	124	46.88	9.43	20	
Toluene	40.010	5.0	40.00	0	100	79	120	43.70	8.82	20	
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129	41.24	0	20	
Trichloroethene	42.280	5.0	40.00	0	106	80	120	45.21	6.70	20	
Trichlorofluoromethane	44.930	5.0	40.00	0	112	66	146	45.95	2.24	20	
Vinyl chloride	42.000	5.0	40.00	0	105	68	141	41.93	0.167	20	
Surr: 1,2-Dichloroethane-d4	46.000		50.00		92.0	70	156		0		
Surr: 4-Bromofluorobenzene	51.220		50.00		102	73	129		0		
Surr: Dibromofluoromethane	47.160		50.00		94.3	73	146		0		
Surr: Toluene-d8	50.810		50.00		102	80	120		0		

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.900	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55.690		50.00		111	70	156				
Surr: 4-Bromofluorobenzene	45.780		50.00		91.6	73	129				
Surr: Dibromofluoromethane	54.360		50.00		109	73	146				
Surr: Toluene-d8	51.120		50.00		102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **LCS-74270** SampType: **LCS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **LCSS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415384**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	47.000	5.0	50.00	0	94.0	27	102				
2-Methylnaphthalene	35.000	5.0	50.00	0	70.0	34	105				
Acenaphthene	51.000	5.0	50.00	0	102	33	105				
Acenaphthylene	52.000	5.0	50.00	0	104	30	113				
Anthracene	46.500	5.0	50.00	0	93.0	35	106				
Benzo(a)anthracene	44.500	5.0	50.00	0	89.0	46	123				
Benzo(a)pyrene	32.500	5.0	50.00	0	65.0	45	112				
Benzo(b)fluoranthene	35.500	5.0	50.00	0	71.0	45	124				
Benzo(g,h,i)perylene	32.000	5.0	50.00	0	64.0	42	122				
Benzo(k)fluoranthene	32.500	5.0	50.00	0	65.0	42	128				
Chrysene	45.000	5.0	50.00	0	90.0	41	117				
Dibenz(a,h)anthracene	34.500	5.0	50.00	0	69.0	44	129				
Fluoranthene	45.500	5.0	50.00	0	91.0	41	120				
Fluorene	49.500	5.0	50.00	0	99.0	35	108				
Indeno(1,2,3-cd)pyrene	34.000	5.0	50.00	0	68.0	44	128				
Naphthalene	39.500	5.0	50.00	0	79.0	30	103				
Phenanthrene	46.000	5.0	50.00	0	92.0	36	109				
Pyrene	47.500	5.0	50.00	0	95.0	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.500		50.00		73.0	26	102				
Surr: 2-Fluorobiphenyl	46.000		50.00		92.0	27	106				
Surr: 4-Terphenyl-d14	38.000		50.00		76.0	35	123				
Surr: Nitrobenzene-d5	40.500		50.00		81.0	30	104				

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	5.0									
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	37.500		50.00		75.0	26	102				
Surr: 2-Fluorobiphenyl	50.000		50.00		100	27	106				
Surr: 4-Terphenyl-d14	41.500		50.00		83.0	35	123				
Surr: Nitrobenzene-d5	41.000		50.00		82.0	30	104				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	199.599	5.0	200.6	0	99.5	27	102				
2-Methylnaphthalene	134.905	5.0	200.6	0	67.2	34	105				
Acenaphthene	215.647	5.0	200.6	0	108	33	105				S
Acenaphthylene	231.695	5.0	200.6	1.002	115	30	113				S
Anthracene	185.055	5.0	200.6	0	92.2	35	106				
Benzo(a)anthracene	175.527	5.0	200.6	3.006	86.0	46	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	134.403	5.0	200.6	3.006	65.5	45	112				
Benzo(b)fluoranthene	142.929	5.0	200.6	5.511	68.5	45	124				
Benzo(g,h,i)perylene	72.718	5.0	200.6	2.505	35.0	42	122				S
Benzo(k)fluoranthene	143.430	5.0	200.6	1.503	70.8	42	128				
Chrysene	172.016	5.0	200.6	5.511	83.0	41	117				
Dibenz(a,h)anthracene	97.292	5.0	200.6	0	48.5	44	129				
Fluoranthene	195.587	5.0	200.6	4.509	95.3	41	120				
Fluorene	211.635	5.0	200.6	0	106	35	108				
Indeno(1,2,3-cd)pyrene	91.274	5.0	200.6	1.503	44.8	44	128				
Naphthalene	149.448	5.0	200.6	0	74.5	30	103				
Phenanthrene	187.061	5.0	200.6	1.503	92.5	36	109				
Pyrene	199.097	5.0	200.6	7.014	95.8	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.108		50.15		72.0	26	102				
Surr: 2-Fluorobiphenyl	50.652		50.15		101	27	106				
Surr: 4-Terphenyl-d14	40.622		50.15		81.0	35	123				
Surr: Nitrobenzene-d5	40.622		50.15		81.0	30	104				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	213.246	5.0	200.7	0	106	27	102	199.6	6.61	20	S
2-Methylnaphthalene	142.499	5.0	200.7	0	71.0	34	105	134.9	5.48	20	
Acenaphthene	229.303	5.0	200.7	0	114	33	105	215.6	6.14	20	S
Acenaphthylene	246.362	5.0	200.7	1.002	122	30	113	231.7	6.14	20	S
Anthracene	198.695	5.0	200.7	0	99.0	35	106	185.1	7.11	20	
Benzo(a)anthracene	188.660	5.0	200.7	3.006	92.5	46	123	175.5	7.21	20	
Benzo(a)pyrene	143.502	5.0	200.7	3.006	70.0	45	112	134.4	6.55	20	
Benzo(b)fluoranthene	155.544	5.0	200.7	5.511	74.8	45	124	142.9	8.45	20	
Benzo(g,h,i)perylene	65.730	5.0	200.7	2.505	31.5	42	122	72.72	10.1	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	158.555	5.0	200.7	1.503	78.3	42	128	143.4	10.0	20	
Chrysene	185.148	5.0	200.7	5.511	89.5	41	117	172.0	7.35	20	
Dibenz(a,h)anthracene	92.825	5.0	200.7	0	46.3	44	129	97.29	4.70	20	
Fluoranthene	203.211	5.0	200.7	4.509	99.0	41	120	195.6	3.82	20	
Fluorene	226.292	5.0	200.7	0	113	35	108	211.6	6.69	20	S
Indeno(1,2,3-cd)pyrene	86.804	5.0	200.7	1.503	42.5	44	128	91.27	5.02	20	S
Naphthalene	156.046	5.0	200.7	0	77.8	30	103	149.4	4.32	20	
Phenanthrene	194.681	5.0	200.7	1.503	96.3	36	109	187.1	3.99	20	
Pyrene	212.745	5.0	200.7	7.014	103	42	123	199.1	6.63	20	
Surr: 1,2-Dichlorobenzene-d4	37.632		50.18		75.0	26	102		0		
Surr: 2-Fluorobiphenyl	53.186		50.18		106	27	106		0		S
Surr: 4-Terphenyl-d14	43.653		50.18		87.0	35	123		0		
Surr: Nitrobenzene-d5	42.649		50.18		85.0	30	104		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/Mo	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B1@1.0	6/12/19	1435	6	Soil			X	X	X			X				N036034-01
B2@0.5		1646	1		X	X				X						-02
B2@1.5		1648	1													ON HOLD -03
B2@3.0		1650	1													ON HOLD -04
B25@0.5		1654	1		X	X				X						-05
B25@1.5		1656	1													ON HOLD -06
B25@3.0		1658	1													ON HOLD -07

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/13/19	1145	Karla Sevilla	6/13/19	1145
Karla Sevilla	6/13/19	1700	MARIANNE SANTOS	6/13/19	1700
MARIANNE SANTOS	6/13/19	1730		6/14/19	8:15 am

SPECIAL INSTRUCTIONS:
1.9°C on # 2
GSO #: 4881

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/13/2019	Workorder:	N036034
Rep sample Temp (Deg C):	1.9	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	4881	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 6/17/2019

Reviewed By: MBC 6/18/2019

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036034

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036034-001A	B1@1.0	6/12/2019 2:35:00 PM	6/20/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036034-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036034-001C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036034-001D							☐	☐	☐	V-CA
N036034-001E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036034-001F							☐	☐	☐	VS
N036034-001G							☐	☐	☐	V-CA
N036034-002A	B24@0.5	6/12/2019 4:46:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/20/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036034-003A	B24@1.5	6/12/2019 4:48:00 PM					☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036034

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036034-004A	B24@3.0	6/12/2019 4:50:00 PM		Soil			☐	☐	☐	WS
N036034-005A	B25@0.5	6/12/2019 4:54:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/20/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036034-006A	B25@1.5	6/12/2019 4:56:00 PM					☐	☐	☐	WS
N036034-007A	B25@3.0	6/12/2019 4:58:00 PM					☐	☐	☐	WS
N036034-008A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	☐	☐	☐	LAB
			6/20/2019		Folder	Folder	☐	☐	☐	LAB

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client: ASSET Laboratories	Report to: Marianne Santos	Bill to: Elvira Allegaert/Accounts Payable	EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:
Address: 11110 Artesia Blvd Ste B	Company: ASSET Laboratories	Address: 11110 Artesia Blvd Ste B	QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐ Specify State:
Cerritos, CA 90703	Email: marianne@assetlaboratories.com reports@assetlaboratories.com	Cerritos, CA 90703	Sample Receipt Condition: Y N 1. Chilled ☐ ☐ 2. Headspace ☐ ☐ 3. Container Intact ☐ ☐ 4. Seal Present ☐ ☐ 5. IR number 6. Method of Cooling
Phone: 562.219.7435 Fax: 562.219.7436	Address: 11110 Artesia Blvd Ste B	Email to: elvira@assetlaboratories.com PO# N36034A	Global ID:
Submitted by: Marianne Santos	Cerritos, CA 90703	Phone: 562.219.7435 Fax: 562.219.7436	Sample Temp:
Title:	Phone: 562.219.7435 Fax: 562.219.7436		
Signature: Date:	Sampled by: Signed		
I hereby authorize ASSET Labs to perform the tests indicated below:	I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		
Project Name: PEA-E: Abraham Lincoln High School	Signature:		
Project Number: 12-020-07			

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: CAM 17 (except Mercury)

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except Mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		B1 @ 1.0	6/12/19	1435		X		X	E	1	G		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Courier:
Tracking No.

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Scrilla	6/14/19 1417		6/14/19 1417
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Notes:
All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
Regular TAT is 5-7 business days, surcharges will apply for rush analysis
[illegible] (first Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
[illegible] an additional 3% of the total project price.
[illegible] Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	
Others/Specify:			

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy
Yellow = Customer's Copy

GSO GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545154881

CPS

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

C89102A

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

4216139

LVS NV891-C51

Print Date: 6/13/2019 6:06 PM

Package 2 of 3

LABEL INSTRUCTIONS:

IR# 1.9

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite b
Cerritos, CA 90703

Number of Pages 4
Date Received 06/14/2019
Date Reported 06/27/2019

Telephone: (702)307-2659
Attention: Marianne Santos

Job Number	Order Date	Client
98584	06/14/2019	ASSET

Project ID: 12-020-07
Project Name: PO# N36034A
Site: PEA-E: Abraham Lincoln HS

Enclosed please find results of analyses of 1 solid sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD 98584

Page 1 of 1

Contact us:
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California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client:	ASSET Laboratories
Address:	11110 Artesia Blvd Ste B
Address:	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Submitted By:	Marianne Santos
Title:	
Signature:	
Date:	

I hereby authorize ASSET Labs to perform the tests indicated below:

Project Name: PEA-E: Abraham Lincdn High School
Project Number: 12-020-07

Report to:	Marianne Santos
Company:	ASSET Laboratories
Email:	marianne@assetlaboratories.com reports@assetlaboratories.com
Address:	11110 Artesia Blvd Ste B Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Sampled by:	Signed

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Bill to:	Elvira Allegaert/Accounts Payable
Address:	11110 Artesia Blvd Ste B Cerritos, CA 90703
Email to:	elvira@assetlaboratories.com
PO#	N36034A
Phone:	562.219.7435
Fax:	562.219.7436

EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify: Global ID:

QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐ Specify State:

Sampe Receipt Condition

	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		

Sample Temp:

Courier:
Tracking No.

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: CAM 17 (except mercury)

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	98584-01	B1 @ 1.0	6/12/19	1435		X		X	E	1	G		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Scrilla	6/14/19 1417		6/14/19 1417
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time

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- ☐ D = 3 Workdays
- ☐ E = Routine 5-7 Workdays

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Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
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9. For subcontract analysis. TAT and Surcharges will vary.

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H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	
Others/Specify:			

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy
Yellow = Customer's Copy

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: Assetlab
Project Name:
AETL Job Number: 98584
Date Received: 06/14/19 Received by: Ant-
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (/) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.3°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____
How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite b
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/27/2019

Job Number	Order Date	Client
98584	06/14/2019	ASSET

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 06/14/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
98584.01	B1@1.0	06/12/2019	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/21/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite b
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 2

Project ID: 12-020-07
Project Name: PO# N36034A

AETL Job Number	Submitted	Client
98584	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C3

Our Lab I.D.			Method Blank	**98584.01**			
Client Sample I.D.				B1@1.0			
Date Sampled				06/12/2019			
Date Prepared			06/17/2019	06/17/2019			
Preparation Method			3050B	3050B			
Date Analyzed			06/19/2019	06/19/2019			
Matrix			Solid	Solid			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	128			
Beryllium	1.0	2.5	ND	ND			
Cadmium	1.0	2.5	ND	ND			
Chromium	2.5	5.0	ND	20.6			
Cobalt	2.5	5.0	ND	8.76			
Copper	2.5	5.0	ND	24.8			
Lead	2.5	5.0	ND	10.0			
Molybdenum	2.0	5.0	ND	ND			
Nickel	2.5	5.0	ND	16.4			
Selenium	1.0	5.0	ND	ND			
Silver	2.0	5.0	ND	ND			
Thallium	0.7	5.0	ND	ND			
Vanadium	2.5	5.0	ND	42.0			
Zinc	2.5	5.0	ND	80.4			

American Environmental Testing Laboratory Inc.

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QUALITY CONTROL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite b
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 3

Project ID: 12-020-07
Project Name: PO# N36034A

AETL Job Number	Submitted	Client
98584	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C3; Dup or Spiked Sample: 98583.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.5	103	50.0	52.5	105	1.92	75-125	<15
Arsenic	0.00	50.0	43.9	87.8	50.0	41.6	83.2	5.38	75-125	<15
Barium	74.0	50.0	139 #	130	50.0	139 #	130	<1	75-125	<15
Beryllium	0.00	50.0	44.2	88.4	50.0	44.1	88.2	<1	75-125	<15
Cadmium	0.00	50.0	45.6	91.2	50.0	45.8	91.6	<1	75-125	<15
Chromium	14.7	50.0	57.9	86.4	50.0	58.3	87.2	<1	75-125	<15
Cobalt	8.10	50.0	51.1	86.0	50.0	51.4	86.6	<1	75-125	<15
Copper	18.3	50.0	69.9	103	50.0	70.2	104	<1	75-125	<15
Lead	12.8	50.0	48.8 #	72.0	50.0	48.6 #	71.6	<1	75-125	<15
Molybdenum	0.00	50.0	46.3	92.6	50.0	46.4	92.8	<1	75-125	<15
Nickel	9.87	50.0	51.1	82.5	50.0	51.4	83.1	<1	75-125	<15
Selenium	0.00	50.0	27.9 #	55.8	50.0	30.1 #	60.2	7.59	75-125	<15
Silver	0.00	50.0	42.3	84.6	50.0	42.5	85.0	<1	75-125	<15
Thallium	0.00	50.0	26.7 #	53.4	50.0	26.6 #	53.2	<1	75-125	<15
Vanadium	28.0	50.0	80.8	106	50.0	80.9	106	<1	75-125	<15
Zinc	58.8	50.0	108	98.4	50.0	108	98.4	<1	75-125	<15

QC Batch No: 0617192C3; Dup or Spiked Sample: 98583.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	57.2	114	50.0	56.4	113	<1	75-125	<15	
Arsenic	50.0	56.9	114	50.0	55.9	112	1.77	75-125	<15	
Barium	50.0	54.5	109	50.0	53.3	107	1.85	75-125	<15	
Beryllium	50.0	56.6	113	50.0	55.6	111	1.79	75-125	<15	
Cadmium	50.0	56.4	113	50.0	55.5	111	1.79	75-125	<15	
Chromium	50.0	55.3	111	50.0	54.3	109	1.82	75-125	<15	
Cobalt	50.0	53.0	106	50.0	52.0	104	1.90	75-125	<15	
Copper	50.0	53.9	108	50.0	52.5	105	2.82	75-125	<15	
Lead	50.0	51.7	103	50.0	51.0	102	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 12-020-07
Project Name: PO# N36034A

AETL Job Number	Submitted	Client
98584	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C3; Dup or Spiked Sample: 98583.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	51.9	104	50.0	51.8	104	<1	75-125	<15	
Nickel	50.0	54.2	108	50.0	53.3	107	<1	75-125	<15	
Selenium	50.0	59.5	119	50.0	60.6	121	1.67	75-125	<15	
Silver	50.0	55.5	111	50.0	54.5	109	1.82	75-125	<15	
Thallium	50.0	52.0	104	50.0	51.0	102	1.94	75-125	<15	
Vanadium	50.0	55.1	110	50.0	53.9	108	1.83	75-125	<15	
Zinc	50.0	59.9	120	50.0	58.8	118	1.68	75-125	<15	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

July 08, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036035

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 13, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to American Environmental Testing Laboratory (AETL), Burbank, CA.

Analytical Comments For EPA 8015B_DRO/ORO:

Matrix Spike Duplicate (MSD) is outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comment For EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 4,4´-DDT possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comment For EPA 8260B_Soil:

Laboratory Control Sample (LCS)/Laboratory Control Sample Duolicate (LCSD) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the

samples were not necessary.

Analytical Comment For EPA 8260B_Water:

RPD for Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) is outside criteria for 2-Butanone and 1,2-Dibromo-3-chloropropane. Analyte recovery on both met acceptance criteria.

Method Blank has hit for 2-Butanone above the reporting limit. Sample result was non-detect (ND) for this analyte therefore reanalysis of the sample was not necessary.

Analytical Comment For EPA 8270C_SIM:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *08-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036035
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036035-001A	QC-3	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-001B	QC-3	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-002A	QC-6	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-002B	QC-6	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-002C	QC-6	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-002D	QC-6	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-002E	QC-6	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-002F	QC-6	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-003A	QC-7	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-003B	QC-7	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-003C	QC-7	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-003D	QC-7	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-003E	QC-7	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-003F	QC-7	Soil	6/12/2019	6/13/2019	7/8/2019
N036035-004A	TB20190611	Water		6/13/2019	7/8/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-3
Lab Order:	N036035	**Collection Date:**	6/12/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036035-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate:	6/19/2019	Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Acenaphthene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Acenaphthylene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Benzo(a)anthracene	11	5.0		µg/Kg	1	6/20/2019 11:59 PM
Benzo(a)pyrene	11	5.0		µg/Kg	1	6/20/2019 11:59 PM
Benzo(b)fluoranthene	16	5.0		µg/Kg	1	6/20/2019 11:59 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Benzo(k)fluoranthene	5.0	5.0		µg/Kg	1	6/20/2019 11:59 PM
Chrysene	16	5.0		µg/Kg	1	6/20/2019 11:59 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Fluoranthene	21	5.0		µg/Kg	1	6/20/2019 11:59 PM
Fluorene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Naphthalene	ND	5.0		µg/Kg	1	6/20/2019 11:59 PM
Phenanthrene	9.5	5.0		µg/Kg	1	6/20/2019 11:59 PM
Pyrene	28	5.0		µg/Kg	1	6/20/2019 11:59 PM
Surr: 1,2-Dichlorobenzene-d4	71.0	26-102		%REC	1	6/20/2019 11:59 PM
Surr: 2-Fluorobiphenyl	101	27-106		%REC	1	6/20/2019 11:59 PM
Surr: 4-Terphenyl-d14	90.0	35-123		%REC	1	6/20/2019 11:59 PM
Surr: Nitrobenzene-d5	80.0	30-104		%REC	1	6/20/2019 11:59 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190706C QC Batch: 74282				PrepDate:	6/20/2019	Analyst: **LLR**
DRO	19	9.9		mg/Kg	1	7/6/2019 09:36 PM
ORO	41	9.9		mg/Kg	1	7/6/2019 09:36 PM
Surr: p-Terphenyl	97.2	56-133		%REC	1	7/6/2019 09:36 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: NV00922-AA1_190618A QC Batch: 74239				PrepDate:	6/17/2019	Analyst: **MG**
Mercury	ND	0.099		mg/Kg	1	6/18/2019 11:12 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-6
Lab Order:	N036035	**Collection Date:**	6/12/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036035-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,1,1-Trichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,1,2,2-Tetrachloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,1,2-Trichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,1-Dichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,1-Dichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,1-Dichloropropene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2,3-Trichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2,3-Trichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2,4-Trichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2,4-Trimethylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2-Dibromo-3-chloropropane	ND	8.8		µg/Kg	1	6/19/2019 09:41 PM
1,2-Dibromoethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2-Dichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2-Dichloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,2-Dichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,3,5-Trimethylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,3-Dichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,3-Dichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
1,4-Dichlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
2,2-Dichloropropane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
2-Butanone	ND	44		µg/Kg	1	6/19/2019 09:41 PM
2-Chlorotoluene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
4-Chlorotoluene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
4-Isopropyltoluene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Benzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Bromobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Bromodichloromethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Bromoform	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Bromomethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Carbon tetrachloride	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Chlorobenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Chloroethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Chloroform	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Chloromethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
cis-1,2-Dichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-6
Lab Order:	N036035	**Collection Date:**	6/12/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036035-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019	Analyst: **AW**	
cis-1,3-Dichloropropene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Dibromochloromethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Dibromomethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Dichlorodifluoromethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Ethylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Freon-113	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Hexachlorobutadiene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Isopropylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
m,p-Xylene	ND	8.8		µg/Kg	1	6/19/2019 09:41 PM
Methylene chloride	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
MTBE	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
n-Butylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
n-Propylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Naphthalene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
o-Xylene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
sec-Butylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Styrene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
tert-Butylbenzene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Tetrachloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Toluene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
trans-1,2-Dichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Trichloroethene	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Trichlorofluoromethane	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Vinyl chloride	ND	4.4		µg/Kg	1	6/19/2019 09:41 PM
Surr: 1,2-Dichloroethane-d4	138	70-156		%REC	1	6/19/2019 09:41 PM
Surr: 4-Bromofluorobenzene	96.7	73-129		%REC	1	6/19/2019 09:41 PM
Surr: Dibromofluoromethane	123	73-146		%REC	1	6/19/2019 09:41 PM
Surr: Toluene-d8	108	80-120		%REC	1	6/19/2019 09:41 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190615A	QC Batch: E19VS093			PrepDate: 6/15/2019	Analyst: **QBM**	
GRO	ND	0.82		mg/Kg	1	6/15/2019 01:51 PM
Surr: Chlorobenzene - d5	121	47-163		%REC	1	6/15/2019 01:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-7
Lab Order:	N036035	**Collection Date:**	6/12/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036035-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate:	6/19/2019	Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,1,1-Trichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,1,2,2-Tetrachloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,1,2-Trichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,1-Dichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,1-Dichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,1-Dichloropropene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2,3-Trichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2,3-Trichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2,4-Trichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2,4-Trimethylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2-Dibromo-3-chloropropane	ND	7.7		µg/Kg	1	6/19/2019 10:05 PM
1,2-Dibromoethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2-Dichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2-Dichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,2-Dichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,3,5-Trimethylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,3-Dichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,3-Dichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
1,4-Dichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
2,2-Dichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
2-Butanone	ND	39		µg/Kg	1	6/19/2019 10:05 PM
2-Chlorotoluene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
4-Chlorotoluene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
4-Isopropyltoluene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Benzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Bromobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Bromodichloromethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Bromoform	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Bromomethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Carbon tetrachloride	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Chlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Chloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Chloroform	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Chloromethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
cis-1,2-Dichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-7
Lab Order:	N036035	**Collection Date:**	6/12/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036035-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate:	6/19/2019	Analyst: **AW**
cis-1,3-Dichloropropene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Dibromochloromethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Dibromomethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Dichlorodifluoromethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Ethylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Freon-113	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Hexachlorobutadiene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Isopropylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
m,p-Xylene	ND	7.7		µg/Kg	1	6/19/2019 10:05 PM
Methylene chloride	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
MTBE	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
n-Butylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
n-Propylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Naphthalene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
o-Xylene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
sec-Butylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Styrene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
tert-Butylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Tetrachloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Toluene	4.4	3.9		µg/Kg	1	6/19/2019 10:05 PM
trans-1,2-Dichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Trichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Trichlorofluoromethane	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Vinyl chloride	ND	3.9		µg/Kg	1	6/19/2019 10:05 PM
Surr: 1,2-Dichloroethane-d4	142	70-156		%REC	1	6/19/2019 10:05 PM
Surr: 4-Bromofluorobenzene	90.5	73-129		%REC	1	6/19/2019 10:05 PM
Surr: Dibromofluoromethane	131	73-146		%REC	1	6/19/2019 10:05 PM
Surr: Toluene-d8	106	80-120		%REC	1	6/19/2019 10:05 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190615A	QC Batch: E19VS093			PrepDate:	6/15/2019	Analyst: **QBM**
GRO	ND	0.86		mg/Kg	1	6/15/2019 02:21 PM
Surr: Chlorobenzene - d5	126	47-163		%REC	1	6/15/2019 02:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *08-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	TB20190611
Lab Order:	N036035	**Collection Date:**	
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	WATER
Lab ID:	N036035-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,1-Dichloroethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,1-Dichloroethene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,1-Dichloropropene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	1	6/19/2019 12:57 AM
1,2-Dibromoethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2-Dichloroethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,2-Dichloropropane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,3-Dichloropropane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
2,2-Dichloropropane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
2-Butanone	ND	5.0		µg/L	1	6/19/2019 12:57 AM
2-Chlorotoluene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
4-Chlorotoluene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
4-Isopropyltoluene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Benzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Bromobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Bromodichloromethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Bromoform	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Bromomethane	ND	1.0		µg/L	1	6/19/2019 12:57 AM
Carbon tetrachloride	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Chlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Chloroethane	ND	1.0		µg/L	1	6/19/2019 12:57 AM
Chloroform	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Chloromethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	6/19/2019 12:57 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Client Sample ID: TB20190611
Lab Order: N036035
Collection Date:
Project: PEA-E: Abraham Lincoln High School, 12-020-
Matrix: WATER
Lab ID: N036035-004

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Dibromochloromethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Dibromomethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Dichlorodifluoromethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Ethylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Freon-113	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Hexachlorobutadiene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Isopropylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
m,p-Xylene	ND	1.0		µg/L	1	6/19/2019 12:57 AM
Methylene chloride	ND	2.0		µg/L	1	6/19/2019 12:57 AM
MTBE	ND	0.50		µg/L	1	6/19/2019 12:57 AM
n-Butylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
n-Propylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Naphthalene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
o-Xylene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
sec-Butylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Styrene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
tert-Butylbenzene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Tetrachloroethene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Toluene	0.70	0.50		µg/L	1	6/19/2019 12:57 AM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Trichloroethene	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Trichlorofluoromethane	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Vinyl chloride	ND	0.50		µg/L	1	6/19/2019 12:57 AM
Surr: 1,2-Dichloroethane-d4	112	75-130		%REC	1	6/19/2019 12:57 AM
Surr: 4-Bromofluorobenzene	95.3	80-120		%REC	1	6/19/2019 12:57 AM
Surr: Dibromofluoromethane	113	80-128		%REC	1	6/19/2019 12:57 AM
Surr: Toluene-d8	109	80-120		%REC	1	6/19/2019 12:57 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-74239** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **PBS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-74239** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **LCSS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.421	0.10	0.4167	0	101	80	120				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.445	0.099	0.4105	0.03221	101	75	125				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.436	0.099	0.4105	0.03221	98.4	75	125	0.4455	2.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74282** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **PBS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	ND	10									
Surr: p-Terphenyl	81.330		80.00		102	56	133				

Sample ID: **LCS-74282** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **LCSS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	934.375	10	1000	0	93.4	69	123				
Surr: p-Terphenyl	82.689		80.00		103	56	133				

Sample ID: **N036149-001B-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1030.895	20	990.1	325.1	71.3	46	142				
Surr: p-Terphenyl	86.679		79.21		109	56	133				

Sample ID: **N036149-001B-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	10.701	0.20	9.930	325.1	-3170	46	142	1031	196	20	SR
Surr: p-Terphenyl	0.865		0.7944		109	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190615LCS** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.576	1.0	5.000	0	91.5	72	136				
Surr: Chlorobenzene - d5	92.391		100.0		92.4	47	163				

Sample ID: **E190615LCSD** SampType: **LCSD** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS02** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.403	1.0	5.000	0	88.1	72	136	4.576	3.85	20	
Surr: Chlorobenzene - d5	89.332		100.0		89.3	47	163		0		

Sample ID: **E190615MB1** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **PBS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	112.232		100.0		112	47	163				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.090	5.0	40.00	0	113	78	127				
1,1,1-Trichloroethane	43.830	5.0	40.00	0	110	75	128				
1,1,2,2-Tetrachloroethane	42.840	5.0	40.00	0	107	78	126				
1,1,2-Trichloroethane	44.300	5.0	40.00	0	111	80	120				
1,1-Dichloroethane	41.360	5.0	40.00	0	103	65	136				
1,1-Dichloroethene	39.290	5.0	40.00	0	98.2	66	134				
1,1-Dichloropropene	49.380	5.0	40.00	0	123	79	128				
1,2,3-Trichlorobenzene	43.580	5.0	40.00	0	109	80	120				
1,2,3-Trichloropropane	37.070	5.0	40.00	0	92.7	79	123				
1,2,4-Trichlorobenzene	40.030	5.0	40.00	0	100	74	121				
1,2,4-Trimethylbenzene	46.070	5.0	40.00	0	115	79	128				
1,2-Dibromo-3-chloropropane	36.180	10	40.00	0	90.4	65	131				
1,2-Dibromoethane	42.350	5.0	40.00	0	106	79	124				
1,2-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120				
1,2-Dichloroethane	45.500	5.0	40.00	0	114	80	120				
1,2-Dichloropropane	42.620	5.0	40.00	0	107	80	120				
1,3,5-Trimethylbenzene	44.830	5.0	40.00	0	112	76	129				
1,3-Dichlorobenzene	42.330	5.0	40.00	0	106	80	120				
1,3-Dichloropropane	42.520	5.0	40.00	0	106	80	120				
1,4-Dichlorobenzene	43.020	5.0	40.00	0	108	80	120				
2,2-Dichloropropane	40.290	5.0	40.00	0	101	66	136				
2-Butanone	402.170	50	400.0	0	101	54	145				
2-Chlorotoluene	47.140	5.0	40.00	0	118	78	124				
4-Chlorotoluene	47.670	5.0	40.00	0	119	79	125				
4-Isopropyltoluene	43.320	5.0	40.00	0	108	75	130				
Benzene	48.210	5.0	40.00	0	121	80	120				S
Bromobenzene	46.160	5.0	40.00	0	115	80	120				
Bromodichloromethane	44.150	5.0	40.00	0	110	80	127				
Bromoform	45.570	5.0	40.00	0	114	67	136				
Bromomethane	64.780	5.0	40.00	0	162	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	48.120	5.0	40.00	0	120	75	137				
Chlorobenzene	43.720	5.0	40.00	0	109	80	120				
Chloroethane	46.950	5.0	40.00	0	117	64	145				
Chloroform	41.010	5.0	40.00	0	103	75	120				
Chloromethane	48.590	5.0	40.00	0	121	58	139				
cis-1,2-Dichloroethene	41.490	5.0	40.00	0	104	76	120				
cis-1,3-Dichloropropene	43.570	5.0	40.00	0	109	77	128				
Dibromochloromethane	38.170	5.0	40.00	0	95.4	79	124				
Dibromomethane	49.600	5.0	40.00	0	124	80	120				S
Dichlorodifluoromethane	42.970	5.0	40.00	0	107	64	137				
Ethylbenzene	48.040	5.0	40.00	0	120	79	120				S
Freon-113	41.690	5.0	40.00	0	104	58	141				
Hexachlorobutadiene	44.840	5.0	40.00	0	112	72	126				
Isopropylbenzene	42.250	5.0	40.00	0	106	62	130				
m,p-Xylene	96.850	10	80.00	0	121	80	124				
Methylene chloride	40.950	5.0	40.00	0	102	65	136				
MTBE	34.330	5.0	40.00	0	85.8	65	130				
n-Butylbenzene	46.050	5.0	40.00	0	115	76	133				
n-Propylbenzene	46.770	5.0	40.00	0	117	76	131				
Naphthalene	36.760	5.0	40.00	0	91.9	58	127				
o-Xylene	44.480	5.0	40.00	0	111	75	121				
sec-Butylbenzene	44.060	5.0	40.00	0	110	76	133				
Styrene	42.690	5.0	40.00	0	107	80	120				
tert-Butylbenzene	42.770	5.0	40.00	0	107	73	130				
Tetrachloroethene	46.880	5.0	40.00	0	117	77	124				
Toluene	43.700	5.0	40.00	0	109	79	120				
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129				
Trichloroethene	45.210	5.0	40.00	0	113	80	120				
Trichlorofluoromethane	45.950	5.0	40.00	0	115	66	146				
Vinyl chloride	41.930	5.0	40.00	0	105	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.960		50.00		87.9	70	156				
Surr: 4-Bromofluorobenzene	52.900		50.00		106	73	129				
Surr: Dibromofluoromethane	45.780		50.00		91.6	73	146				
Surr: Toluene-d8	50.060		50.00		100	80	120				

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.730	5.0	40.00	0	107	78	127	45.09	5.37	20	
1,1,1-Trichloroethane	40.890	5.0	40.00	0	102	75	128	43.83	6.94	20	
1,1,2,2-Tetrachloroethane	40.950	5.0	40.00	0	102	78	126	42.84	4.51	20	
1,1,2-Trichloroethane	44.990	5.0	40.00	0	112	80	120	44.30	1.55	20	
1,1-Dichloroethane	39.670	5.0	40.00	0	99.2	65	136	41.36	4.17	20	
1,1-Dichloroethene	40.000	5.0	40.00	0	100	66	134	39.29	1.79	20	
1,1-Dichloropropene	45.430	5.0	40.00	0	114	79	128	49.38	8.33	20	
1,2,3-Trichlorobenzene	41.280	5.0	40.00	0	103	80	120	43.58	5.42	20	
1,2,3-Trichloropropane	40.460	5.0	40.00	0	101	79	123	37.07	8.75	20	
1,2,4-Trichlorobenzene	40.990	5.0	40.00	0	102	74	121	40.03	2.37	20	
1,2,4-Trimethylbenzene	44.390	5.0	40.00	0	111	79	128	46.07	3.71	20	
1,2-Dibromo-3-chloropropane	43.790	10	40.00	0	109	65	131	36.18	19.0	20	
1,2-Dibromoethane	41.670	5.0	40.00	0	104	79	124	42.35	1.62	20	
1,2-Dichlorobenzene	40.690	5.0	40.00	0	102	80	120	42.22	3.69	20	
1,2-Dichloroethane	39.610	5.0	40.00	0	99.0	80	120	45.50	13.8	20	
1,2-Dichloropropane	43.640	5.0	40.00	0	109	80	120	42.62	2.36	20	
1,3,5-Trimethylbenzene	43.260	5.0	40.00	0	108	76	129	44.83	3.56	20	
1,3-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120	42.33	0.260	20	
1,3-Dichloropropane	42.670	5.0	40.00	0	107	80	120	42.52	0.352	20	
1,4-Dichlorobenzene	42.440	5.0	40.00	0	106	80	120	43.02	1.36	20	
2,2-Dichloropropane	39.320	5.0	40.00	0	98.3	66	136	40.29	2.44	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	396.740	50	400.0	0	99.2	54	145	402.2	1.36	20	
2-Chlorotoluene	44.320	5.0	40.00	0	111	78	124	47.14	6.17	20	
4-Chlorotoluene	46.100	5.0	40.00	0	115	79	125	47.67	3.35	20	
4-Isopropyltoluene	42.590	5.0	40.00	0	106	75	130	43.32	1.70	20	
Benzene	43.330	5.0	40.00	0	108	80	120	48.21	10.7	20	
Bromobenzene	46.100	5.0	40.00	0	115	80	120	46.16	0.130	20	
Bromodichloromethane	40.390	5.0	40.00	0	101	80	127	44.15	8.90	20	
Bromoform	43.550	5.0	40.00	0	109	67	136	45.57	4.53	20	
Bromomethane	55.500	5.0	40.00	0	139	45	148	64.78	15.4	20	
Carbon tetrachloride	44.060	5.0	40.00	0	110	75	137	48.12	8.81	20	
Chlorobenzene	44.060	5.0	40.00	0	110	80	120	43.72	0.775	20	
Chloroethane	43.520	5.0	40.00	0	109	64	145	46.95	7.58	20	
Chloroform	40.300	5.0	40.00	0	101	75	120	41.01	1.75	20	
Chloromethane	45.940	5.0	40.00	0	115	58	139	48.59	5.61	20	
cis-1,2-Dichloroethene	42.320	5.0	40.00	0	106	76	120	41.49	1.98	20	
cis-1,3-Dichloropropene	40.460	5.0	40.00	0	101	77	128	43.57	7.40	20	
Dibromochloromethane	38.210	5.0	40.00	0	95.5	79	124	38.17	0.105	20	
Dibromomethane	45.130	5.0	40.00	0	113	80	120	49.60	9.44	20	
Dichlorodifluoromethane	36.690	5.0	40.00	0	91.7	64	137	42.97	15.8	20	
Ethylbenzene	44.780	5.0	40.00	0	112	79	120	48.04	7.02	20	
Freon-113	40.930	5.0	40.00	0	102	58	141	41.69	1.84	20	
Hexachlorobutadiene	39.990	5.0	40.00	0	100	72	126	44.84	11.4	20	
Isopropylbenzene	40.270	5.0	40.00	0	101	62	130	42.25	4.80	20	
m,p-Xylene	94.010	10	80.00	0	118	80	124	96.85	2.98	20	
Methylene chloride	42.200	5.0	40.00	0	106	65	136	40.95	3.01	20	
MTBE	36.420	5.0	40.00	0	91.1	65	130	34.33	5.91	20	
n-Butylbenzene	44.900	5.0	40.00	0	112	76	133	46.05	2.53	20	
n-Propylbenzene	45.160	5.0	40.00	0	113	76	131	46.77	3.50	20	
Naphthalene	37.190	5.0	40.00	0	93.0	58	127	36.76	1.16	20	
o-Xylene	43.100	5.0	40.00	0	108	75	121	44.48	3.15	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	41.540	5.0	40.00	0	104	76	133	44.06	5.89	20	
Styrene	42.700	5.0	40.00	0	107	80	120	42.69	0.0234	20	
tert-Butylbenzene	42.210	5.0	40.00	0	106	73	130	42.77	1.32	20	
Tetrachloroethene	42.660	5.0	40.00	0	107	77	124	46.88	9.43	20	
Toluene	40.010	5.0	40.00	0	100	79	120	43.70	8.82	20	
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129	41.24	0	20	
Trichloroethene	42.280	5.0	40.00	0	106	80	120	45.21	6.70	20	
Trichlorofluoromethane	44.930	5.0	40.00	0	112	66	146	45.95	2.24	20	
Vinyl chloride	42.000	5.0	40.00	0	105	68	141	41.93	0.167	20	
Surr: 1,2-Dichloroethane-d4	46.000		50.00		92.0	70	156		0		
Surr: 4-Bromofluorobenzene	51.220		50.00		102	73	129		0		
Surr: Dibromofluoromethane	47.160		50.00		94.3	73	146		0		
Surr: Toluene-d8	50.810		50.00		102	80	120		0		

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.900	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55.690		50.00		111	70	156				
Surr: 4-Bromofluorobenzene	45.780		50.00		91.6	73	129				
Surr: Dibromofluoromethane	54.360		50.00		109	73	146				
Surr: Toluene-d8	51.120		50.00		102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.400	0.50	20.00	0	102	80	120				
1,1,1-Trichloroethane	20.800	0.50	20.00	0	104	76	128				
1,1,2,2-Tetrachloroethane	22.090	0.50	20.00	0	110	79	124				
1,1,2-Trichloroethane	23.460	0.50	20.00	0	117	80	120				
1,1-Dichloroethane	19.710	0.50	20.00	0	98.6	68	133				
1,1-Dichloroethene	19.080	0.50	20.00	0	95.4	63	132				
1,1-Dichloropropene	20.450	0.50	20.00	0	102	80	127				
1,2,3-Trichlorobenzene	20.750	0.50	20.00	0	104	80	120				
1,2,3-Trichloropropane	18.370	0.50	20.00	0	91.9	80	120				
1,2,4-Trichlorobenzene	18.460	0.50	20.00	0	92.3	80	120				
1,2,4-Trimethylbenzene	20.070	0.50	20.00	0	100	80	123				
1,2-Dibromo-3-chloropropane	18.550	1.0	20.00	0	92.8	71	128				
1,2-Dibromoethane	19.640	0.50	20.00	0	98.2	80	120				
1,2-Dichlorobenzene	19.700	0.50	20.00	0	98.5	80	120				
1,2-Dichloroethane	23.160	0.50	20.00	0	116	80	120				
1,2-Dichloropropane	21.370	0.50	20.00	0	107	80	120				
1,3,5-Trimethylbenzene	20.190	0.50	20.00	0	101	80	125				
1,3-Dichlorobenzene	21.520	0.50	20.00	0	108	80	120				
1,3-Dichloropropane	19.020	0.50	20.00	0	95.1	80	120				
1,4-Dichlorobenzene	19.780	0.50	20.00	0	98.9	80	120				
2,2-Dichloropropane	17.610	0.50	20.00	0	88.0	66	139				
2-Butanone	214.880	5.0	200.0	0	107	55	150				B
2-Chlorotoluene	22.060	0.50	20.00	0	110	83	120				
4-Chlorotoluene	22.000	0.50	20.00	0	110	80	121				
4-Isopropyltoluene	19.540	0.50	20.00	0	97.7	80	126				
Benzene	21.290	0.50	20.00	0	106	80	120				
Bromobenzene	21.770	0.50	20.00	0	109	80	120				
Bromodichloromethane	21.180	0.50	20.00	0	106	80	120				
Bromoform	19.510	0.50	20.00	0	97.6	67	133				
Bromomethane	18.840	1.0	20.00	0	94.2	35	164				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	19.870	0.50	20.00	0	99.4	77	135				
Chlorobenzene	20.440	0.50	20.00	0	102	80	120				
Chloroethane	19.890	1.0	20.00	0	99.4	60	154				
Chloroform	20.550	0.50	20.00	0	103	75	120				
Chloromethane	17.510	0.50	20.00	0	87.6	59	140				
cis-1,2-Dichloroethene	20.760	0.50	20.00	0	104	78	120				
cis-1,3-Dichloropropene	19.210	0.50	20.00	0	96.0	80	120				
Dibromochloromethane	20.500	0.50	20.00	0	103	79	123				
Dibromomethane	22.380	0.50	20.00	0	112	80	120				
Dichlorodifluoromethane	12.650	0.50	20.00	0	63.3	57	147				
Ethylbenzene	20.440	0.50	20.00	0	102	80	120				
Freon-113	18.390	0.50	20.00	0	92.0	52	149				
Hexachlorobutadiene	20.000	0.50	20.00	0	100	73	125				
Isopropylbenzene	19.510	0.50	20.00	0	97.6	68	129				
m,p-Xylene	43.500	1.0	40.00	0	109	80	120				
Methylene chloride	21.730	2.0	20.00	0	109	68	134				
MTBE	19.850	0.50	20.00	0	99.2	67	129				
n-Butylbenzene	19.720	0.50	20.00	0	98.6	79	130				
n-Propylbenzene	21.180	0.50	20.00	0	106	80	128				
Naphthalene	17.890	0.50	20.00	0	89.4	62	126				
o-Xylene	21.050	0.50	20.00	0	105	80	120				
sec-Butylbenzene	19.820	0.50	20.00	0	99.1	80	129				
Styrene	19.590	0.50	20.00	0	98.0	80	120				
tert-Butylbenzene	20.030	0.50	20.00	0	100	80	125				
Tetrachloroethene	19.670	0.50	20.00	0	98.4	78	123				
Toluene	20.780	0.50	20.00	0	104	80	120				
trans-1,2-Dichloroethene	21.200	0.50	20.00	0	106	75	125				
Trichloroethene	18.770	0.50	20.00	0	93.8	80	120				
Trichlorofluoromethane	18.240	0.50	20.00	0	91.2	64	147				
Vinyl chloride	17.920	0.50	20.00	0	89.6	66	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	25.990		25.00		104	75	130				
Surr: 4-Bromofluorobenzene	25.670		25.00		103	80	120				
Surr: Dibromofluoromethane	24.760		25.00		99.0	80	128				
Surr: Toluene-d8	25.820		25.00		103	80	120				

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.430	0.50	20.00	0	102	80	120	20.40	0.147	20	
1,1,1-Trichloroethane	21.760	0.50	20.00	0	109	76	128	20.80	4.51	20	
1,1,2,2-Tetrachloroethane	22.070	0.50	20.00	0	110	79	124	22.09	0.0906	20	
1,1,2-Trichloroethane	23.420	0.50	20.00	0	117	80	120	23.46	0.171	20	
1,1-Dichloroethane	21.210	0.50	20.00	0	106	68	133	19.71	7.33	20	
1,1-Dichloroethene	20.690	0.50	20.00	0	103	63	132	19.08	8.10	20	
1,1-Dichloropropene	19.060	0.50	20.00	0	95.3	80	127	20.45	7.04	20	
1,2,3-Trichlorobenzene	19.370	0.50	20.00	0	96.9	80	120	20.75	6.88	20	
1,2,3-Trichloropropane	18.220	0.50	20.00	0	91.1	80	120	18.37	0.820	20	
1,2,4-Trichlorobenzene	18.720	0.50	20.00	0	93.6	80	120	18.46	1.40	20	
1,2,4-Trimethylbenzene	19.960	0.50	20.00	0	99.8	80	123	20.07	0.550	20	
1,2-Dibromo-3-chloropropane	23.090	1.0	20.00	0	115	71	128	18.55	21.8	20	R
1,2-Dibromoethane	20.120	0.50	20.00	0	101	80	120	19.64	2.41	20	
1,2-Dichlorobenzene	19.490	0.50	20.00	0	97.5	80	120	19.70	1.07	20	
1,2-Dichloroethane	22.350	0.50	20.00	0	112	80	120	23.16	3.56	20	
1,2-Dichloropropane	21.470	0.50	20.00	0	107	80	120	21.37	0.467	20	
1,3,5-Trimethylbenzene	20.080	0.50	20.00	0	100	80	125	20.19	0.546	20	
1,3-Dichlorobenzene	20.620	0.50	20.00	0	103	80	120	21.52	4.27	20	
1,3-Dichloropropane	20.010	0.50	20.00	0	100	80	120	19.02	5.07	20	
1,4-Dichlorobenzene	19.850	0.50	20.00	0	99.2	80	120	19.78	0.353	20	
2,2-Dichloropropane	18.360	0.50	20.00	0	91.8	66	139	17.61	4.17	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	169.940	5.0	200.0	0	85.0	55	150	214.9	23.4	20	BR
2-Chlorotoluene	21.730	0.50	20.00	0	109	83	120	22.06	1.51	20	
4-Chlorotoluene	21.600	0.50	20.00	0	108	80	121	22.00	1.83	20	
4-Isopropyltoluene	19.240	0.50	20.00	0	96.2	80	126	19.54	1.55	20	
Benzene	20.690	0.50	20.00	0	103	80	120	21.29	2.86	20	
Bromobenzene	21.700	0.50	20.00	0	108	80	120	21.77	0.322	20	
Bromodichloromethane	20.690	0.50	20.00	0	103	80	120	21.18	2.34	20	
Bromoform	20.270	0.50	20.00	0	101	67	133	19.51	3.82	20	
Bromomethane	19.050	1.0	20.00	0	95.2	35	164	18.84	1.11	20	
Carbon tetrachloride	20.010	0.50	20.00	0	100	77	135	19.87	0.702	20	
Chlorobenzene	20.470	0.50	20.00	0	102	80	120	20.44	0.147	20	
Chloroethane	19.250	1.0	20.00	0	96.2	60	154	19.89	3.27	20	
Chloroform	20.510	0.50	20.00	0	103	75	120	20.55	0.195	20	
Chloromethane	17.480	0.50	20.00	0	87.4	59	140	17.51	0.171	20	
cis-1,2-Dichloroethene	22.250	0.50	20.00	0	111	78	120	20.76	6.93	20	
cis-1,3-Dichloropropene	18.980	0.50	20.00	0	94.9	80	120	19.21	1.20	20	
Dibromochloromethane	20.140	0.50	20.00	0	101	79	123	20.50	1.77	20	
Dibromomethane	23.810	0.50	20.00	0	119	80	120	22.38	6.19	20	
Dichlorodifluoromethane	11.600	0.50	20.00	0	58.0	57	147	12.65	8.66	20	
Ethylbenzene	21.040	0.50	20.00	0	105	80	120	20.44	2.89	20	
Freon-113	19.500	0.50	20.00	0	97.5	52	149	18.39	5.86	20	
Hexachlorobutadiene	19.690	0.50	20.00	0	98.4	73	125	20.00	1.56	20	
Isopropylbenzene	19.380	0.50	20.00	0	96.9	68	129	19.51	0.669	20	
m,p-Xylene	43.760	1.0	40.00	0	109	80	120	43.50	0.596	20	
Methylene chloride	21.820	2.0	20.00	0	109	68	134	21.73	0.413	20	
MTBE	18.710	0.50	20.00	0	93.6	67	129	19.85	5.91	20	
n-Butylbenzene	19.390	0.50	20.00	0	97.0	79	130	19.72	1.69	20	
n-Propylbenzene	21.120	0.50	20.00	0	106	80	128	21.18	0.284	20	
Naphthalene	17.450	0.50	20.00	0	87.2	62	126	17.89	2.49	20	
o-Xylene	21.470	0.50	20.00	0	107	80	120	21.05	1.98	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	20.260	0.50	20.00	0	101	80	129	19.82	2.20	20	
Styrene	19.910	0.50	20.00	0	99.6	80	120	19.59	1.62	20	
tert-Butylbenzene	19.840	0.50	20.00	0	99.2	80	125	20.03	0.953	20	
Tetrachloroethene	19.580	0.50	20.00	0	97.9	78	123	19.67	0.459	20	
Toluene	20.640	0.50	20.00	0	103	80	120	20.78	0.676	20	
trans-1,2-Dichloroethene	21.010	0.50	20.00	0	105	75	125	21.20	0.900	20	
Trichloroethene	19.860	0.50	20.00	0	99.3	80	120	18.77	5.64	20	
Trichlorofluoromethane	18.820	0.50	20.00	0	94.1	64	147	18.24	3.13	20	
Vinyl chloride	17.920	0.50	20.00	0	89.6	66	140	17.92	0	20	
Surr: 1,2-Dichloroethane-d4	25.700		25.00		103	75	130		0		
Surr: 4-Bromofluorobenzene	25.960		25.00		104	80	120		0		
Surr: Dibromofluoromethane	25.480		25.00		102	80	128		0		
Surr: Toluene-d8	25.260		25.00		101	80	120		0		

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	16.090	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	27.340		25.00		109	75	130				
Surr: 4-Bromofluorobenzene	24.950		25.00		99.8	80	120				
Surr: Dibromofluoromethane	26.860		25.00		107	80	128				
Surr: Toluene-d8	26.760		25.00		107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **LCS-74270**	SampType: **LCS**	TestCode: **8270SOILSIM**	Units: **µg/Kg**	Prep Date: **6/19/2019**	RunNo: **134597**
Client ID: **LCSS**	Batch ID: **74270**	TestNo: **EPA 8270CSI EPA 3546**		Analysis Date: **6/19/2019**	SeqNo: **3415384**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	47.000	5.0	50.00	0	94.0	27	102				
2-Methylnaphthalene	35.000	5.0	50.00	0	70.0	34	105				
Acenaphthene	51.000	5.0	50.00	0	102	33	105				
Acenaphthylene	52.000	5.0	50.00	0	104	30	113				
Anthracene	46.500	5.0	50.00	0	93.0	35	106				
Benzo(a)anthracene	44.500	5.0	50.00	0	89.0	46	123				
Benzo(a)pyrene	32.500	5.0	50.00	0	65.0	45	112				
Benzo(b)fluoranthene	35.500	5.0	50.00	0	71.0	45	124				
Benzo(g,h,i)perylene	32.000	5.0	50.00	0	64.0	42	122				
Benzo(k)fluoranthene	32.500	5.0	50.00	0	65.0	42	128				
Chrysene	45.000	5.0	50.00	0	90.0	41	117				
Dibenz(a,h)anthracene	34.500	5.0	50.00	0	69.0	44	129				
Fluoranthene	45.500	5.0	50.00	0	91.0	41	120				
Fluorene	49.500	5.0	50.00	0	99.0	35	108				
Indeno(1,2,3-cd)pyrene	34.000	5.0	50.00	0	68.0	44	128				
Naphthalene	39.500	5.0	50.00	0	79.0	30	103				
Phenanthrene	46.000	5.0	50.00	0	92.0	36	109				
Pyrene	47.500	5.0	50.00	0	95.0	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.500		50.00		73.0	26	102				
Surr: 2-Fluorobiphenyl	46.000		50.00		92.0	27	106				
Surr: 4-Terphenyl-d14	38.000		50.00		76.0	35	123				
Surr: Nitrobenzene-d5	40.500		50.00		81.0	30	104				

Sample ID: **MB-74270**	SampType: **MBLK**	TestCode: **8270SOILSIM**	Units: **µg/Kg**	Prep Date: **6/19/2019**	RunNo: **134597**
Client ID: **PBS**	Batch ID: **74270**	TestNo: **EPA 8270CSI EPA 3546**		Analysis Date: **6/19/2019**	SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	5.0									
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	37.500		50.00		75.0	26	102				
Surr: 2-Fluorobiphenyl	50.000		50.00		100	27	106				
Surr: 4-Terphenyl-d14	41.500		50.00		83.0	35	123				
Surr: Nitrobenzene-d5	41.000		50.00		82.0	30	104				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	199.599	5.0	200.6	0	99.5	27	102				
2-Methylnaphthalene	134.905	5.0	200.6	0	67.2	34	105				
Acenaphthene	215.647	5.0	200.6	0	108	33	105				S
Acenaphthylene	231.695	5.0	200.6	1.002	115	30	113				S
Anthracene	185.055	5.0	200.6	0	92.2	35	106				
Benzo(a)anthracene	175.527	5.0	200.6	3.006	86.0	46	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	134.403	5.0	200.6	3.006	65.5	45	112				
Benzo(b)fluoranthene	142.929	5.0	200.6	5.511	68.5	45	124				
Benzo(g,h,i)perylene	72.718	5.0	200.6	2.505	35.0	42	122				S
Benzo(k)fluoranthene	143.430	5.0	200.6	1.503	70.8	42	128				
Chrysene	172.016	5.0	200.6	5.511	83.0	41	117				
Dibenz(a,h)anthracene	97.292	5.0	200.6	0	48.5	44	129				
Fluoranthene	195.587	5.0	200.6	4.509	95.3	41	120				
Fluorene	211.635	5.0	200.6	0	106	35	108				
Indeno(1,2,3-cd)pyrene	91.274	5.0	200.6	1.503	44.8	44	128				
Naphthalene	149.448	5.0	200.6	0	74.5	30	103				
Phenanthrene	187.061	5.0	200.6	1.503	92.5	36	109				
Pyrene	199.097	5.0	200.6	7.014	95.8	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.108		50.15		72.0	26	102				
Surr: 2-Fluorobiphenyl	50.652		50.15		101	27	106				
Surr: 4-Terphenyl-d14	40.622		50.15		81.0	35	123				
Surr: Nitrobenzene-d5	40.622		50.15		81.0	30	104				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	213.246	5.0	200.7	0	106	27	102	199.6	6.61	20	S
2-Methylnaphthalene	142.499	5.0	200.7	0	71.0	34	105	134.9	5.48	20	
Acenaphthene	229.303	5.0	200.7	0	114	33	105	215.6	6.14	20	S
Acenaphthylene	246.362	5.0	200.7	1.002	122	30	113	231.7	6.14	20	S
Anthracene	198.695	5.0	200.7	0	99.0	35	106	185.1	7.11	20	
Benzo(a)anthracene	188.660	5.0	200.7	3.006	92.5	46	123	175.5	7.21	20	
Benzo(a)pyrene	143.502	5.0	200.7	3.006	70.0	45	112	134.4	6.55	20	
Benzo(b)fluoranthene	155.544	5.0	200.7	5.511	74.8	45	124	142.9	8.45	20	
Benzo(g,h,i)perylene	65.730	5.0	200.7	2.505	31.5	42	122	72.72	10.1	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	158.555	5.0	200.7	1.503	78.3	42	128	143.4	10.0	20	
Chrysene	185.148	5.0	200.7	5.511	89.5	41	117	172.0	7.35	20	
Dibenz(a,h)anthracene	92.825	5.0	200.7	0	46.3	44	129	97.29	4.70	20	
Fluoranthene	203.211	5.0	200.7	4.509	99.0	41	120	195.6	3.82	20	
Fluorene	226.292	5.0	200.7	0	113	35	108	211.6	6.69	20	S
Indeno(1,2,3-cd)pyrene	86.804	5.0	200.7	1.503	42.5	44	128	91.27	5.02	20	S
Naphthalene	156.046	5.0	200.7	0	77.8	30	103	149.4	4.32	20	
Phenanthrene	194.681	5.0	200.7	1.503	96.3	36	109	187.1	3.99	20	
Pyrene	212.745	5.0	200.7	7.014	103	42	123	199.1	6.63	20	
Surr: 1,2-Dichlorobenzene-d4	37.632		50.18		75.0	26	102		0		
Surr: 2-Fluorobiphenyl	53.186		50.18		106	27	106		0		S
Surr: 4-Terphenyl-d14	43.653		50.18		87.0	35	123		0		
Surr: Nitrobenzene-d5	42.649		50.18		85.0	30	104		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
QC-3	6/12/19		1	Soil			X		X							N036035-01
QC-6	↓		5	↓				X				X				-02
QC-7	↓		5	↓				X				X				-03

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/13/19	1145	Karla Sevilla	6/13/19	1145
Karla Sevilla	6/13/19	1700	MARIANNE SANTOS	6/13/19	1700
MARIANNE SANTOS	6/13/19	1700	Jonathan Rogers	6/14/19	8:15 am

SPECIAL INSTRUCTIONS:
1.9°C
GSO #: 4861

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/13/2019	Workorder:	N036035
Rep sample Temp (Deg C):	1.9	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	4881	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☐	No ☑	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☑	No ☐	NA ☐
Was Client notified?	Yes ☑	No ☐	NA ☐

Comments: See Correspondence.

Checklist Completed By: YR YRJ 6/17/2019

Reviewed By: MBC 6/18/2019

AssetLabs Sample Control

From: Marianne Santos <marianne@assetlaboratories.com>
Sent: Monday, June 17, 2019 11:17 AM
To: 'AssetLabs Sample Control'
Cc: 'Yoandra Rodriguez'; 'Anushka Wijesekera'
Subject: FW: Abraham Lincoln HS (Asset No. N036035)

Hi SC,

Please see client's response.

QC-3 (N036035)
QC-2 (N035992)

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

ASSET LABORATORIES - Serving Clients with Passion and Professionalism

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From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 17, 2019 10:33 AM
To: Marianne
Cc: Hamidou Barry
Subject: Re: Abraham Lincoln HS (Asset No. N036035)

We would like the reports all at once which Friday or Monday should be fine.

As for QC-6 and QC-7, analyze them as intended without the motor oil since we didn't provide the jar.

Can you also please add the analyses for TPH-MO for QC-3 and QC-2.

Feel free to contact me via e-mail or phone if you have any questions.

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office: (925) 279-5000 • **Fax**: (925) 279-5001 • **Cell**: (707) 342-5669
jramos@alisto.com

ALISTO ENGINEERING GROUP

From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>
Cc: "Hamidou Barry" <hbarry@alisto.com>
Sent: Monday, June 17, 2019 10:22:59 AM
Subject: RE: Abraham Lincoln HS (Asset No. N036035)

Hi James,

Please see attachments for the COCs for Abraham Lincoln HS.

Please also confirm how you would need the reports – will you need the results all at once, which will most likely be ready by Friday or Monday, or will you need separate reports divided into each day that we received the samples.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 17, 2019 9:44 AM
To: Marianne
Cc: Hamidou Barry; AssetLabs Sample Control; Yoandra Rodriguez
Subject: Re: Abraham Lincoln HS (Asset No. N036035)

Morning Marianne,

Can you send me copies of the COCs from the Tuesday and Wednesday sample submittals that your courier picked up? I will also get back to you regarding the QC samples we discussed on Friday.

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office: (925) 279-5000 • **Fax**: (925) 279-5001 • **Cell**: (707) 342-5669
jramos@alisto.com

ALISTO ENGINEERING GROUP

From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>, "Hamidou Barry" <hbarry@alisto.com>
Cc: "AssetLabs Sample Control" <samplecontrol@assetlaboratories.com>, "Yoandra Rodriguez" <yoandra@assetlaboratories.com>
Sent: Friday, June 14, 2019 12:21:31 PM
Subject: Abraham Lincoln HS (Asset No. N036035)

Hi James,

We will add the 2 Trip Blanks to the attached COC/work order for the samples we received on 6/13/19.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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From: AssetLabs Sample Control [mailto:samplecontrol@assetlaboratories.com]
Sent: Friday, June 14, 2019 12:08 PM
To: hbarry@alisto.com; asevilla@alisto.com
Cc: 'Marianne Santos'
Subject: COC and Work Order Summary for Sample Received 6/13/2019

Hi Hamidou Barry/Al Sevilla:

Enclosed are COCs and WO Summaries for samples received 6/13/2019. If you have any questions, please contact your Project Manager listed below.

Marianne Santos
Project Manager
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Tel. No.: (562)-219-7435
Fax No.: (562)-219-7436
Cel. No.: (562)-413-2344
Email: marianne@assetlaboratories.com

Thank you for using ASSET Laboratories.

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036035-001A	QC-3	6/12/2019	6/20/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036035-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036035-002A	QC-6		6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☑	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☑	☐	☐	WS
N036035-002B			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036035-002C							☐	☐	☐	V-CA
N036035-002D			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036035-002E							☐	☐	☐	VS
N036035-002F							☐	☐	☐	V-CA
N036035-003A	QC-7		6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☑	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☑	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036035-003B	QC-7	6/12/2019	6/20/2019	Soil	EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036035-003C							☐	☐	☐	V-CA
N036035-003D			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036035-003E							☐	☐	☐	VS
N036035-003F							☐	☐	☐	V-CA
N036035-004A	TB20190611			Water			☐	☐	☐	V-CA
N036035-005A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	☐	☐	☐	LAB
			6/20/2019		Folder	Folder	☐	☐	☐	LAB

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client:	ASSET Laboratories
Address:	11110 Artesia Blvd Ste B
Address:	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Submitted By:	Marianne Santos
Title:	
Signature:	
Date:	

I hereby authorize ASSET Labs to perform the tests indicated below:

Project Name: PEA- E: Abraham Lincoln High School
Project Number: 12-020- 07

Report to:	Marianne Santos
Company:	ASSET Laboratories
Email:	marianne@assetlaboratories.com reports@assetlaboratories.com
Address:	11110 Artesia Blvd Ste B
	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Sampled by:	Signed

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Bill to:	Elvira Allegaert/Accounts Payable
Address:	11110 Artesia Blvd Ste B
	Cerritos, CA 90703
Email to:	elvira@assetlaboratories.com
PO#	N36035A
Phone:	562.219.7435
Fax:	562.219.7436

EDD Requirement	
Excel EDD	☐
Geotracker	☐
Labspec	☐
Others	☐
Specify:	
Global ID:	

QA/QC	
RTNE	☐
RWQCB	☐
CalTrans	☐
Level III	☐
LEVEL IV	☐
Regulatory	☐
Specify State:	

Sample Receipt Condition	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		
Sample Temp:		

Courier:
Tracking No.

Matrix			
Ground	☐	Sediment	☐
Potable	☐	Soil	☒
NPDES	☐	Other Solid	☐
Surface	☐		

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		QC -3	6/12/19			X		X	E	1	G		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less Than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

White = Laboratory Copy

Preservatives:			
H = HCl	N = HNO3	S = H2SO4	C = 4°C
Z = Zn(AC)2	O = NaOH	T = Na2S2O3	
Others/Specify:			

Container Type:		
T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

Yellow = Customer's Copy

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Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Number of Pages 4
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98587	06/14/2019	ASSET

Project ID: 12-020-07
Project Name: PO# N36035A
Site: PEA-E: Abraham Lincol HS

Enclosed please find results of analyses of 1 solid sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

98587

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client: ASSET Laboratories	Report to: Marianne Santos	Bill to: Elvira Allegaert/Accounts Payable	
Address: 11110 Artesia Blvd Ste B	Company: ASSET Laboratories	Address: 11110 Artesia Blvd Ste B	
Address: Cerritos, CA 90703	Email: marianne@assetlaboratories.com, reports@assetlaboratories.com	Cerritos, CA 90703	
Phone: 562.219.7435 Fax: 562.219.7436	Address: 11110 Artesia Blvd Ste B	Email to: elvira@assetlaboratories.com	PO# N36035A
Submitted By: Marianne Santos	Cerritos, CA 90703	Phone: 562.219.7435	Fax: 562.219.7436
Title:	Phone: 562.219.7435 Fax: 562.219.7436		
Signature: Date:	Sampled by: Signed		
I hereby authorize ASSET Labs to perform the tests indicated below:	I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		
Project Name: PEA-E: Abraham Lincoln High School	Signature:		
Project Number: 12-020-07			

EDD Requirement: Excel EDD ☐, Geotracker ☐, Labspec ☐, Others ☐, Specify:, Global ID:

QA/QC: RTNE ☐, RWQCB ☐, CalTrans ☐, Level III ☐, LEVEL IV ☐, Regulatory ☐, Specify State:

Sample Receipt Condition

	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		

Sample Temp:

Courier:

Tracking No.

Matrix: Ground ☐, Sediment ☐, Potable ☐, Soil ☒, NPDES ☐, Other Solid ☐, Surface ☐

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	98587.01	QC-3	6/12/19			X		X	E	1	G		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time

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- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

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   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
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9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	
Others/Specify:			

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy

Yellow = Customer's Copy

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TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: Assetlab
Project Name:
AETL Job Number: 98587
Date Received: 06/14/19 Received by: Ant
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.3°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____
How are samples preserved: ☐ None, ☒ Ice , ☐ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98587	06/14/2019	ASSET

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 06/14/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
98587.01	QC-3	06/12/2019	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/21/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincol HS

Page: **2**

Project ID: 12-020-07
Project Name: PO# N36035A

AETL Job Number	Submitted	Client
98587	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4

Our Lab I.D.			Method Blank	**98587.01**			
Client Sample I.D.				QC-3			
Date Sampled				06/12/2019			
Date Prepared			06/17/2019	06/17/2019			
Preparation Method			3050B	3050B			
Date Analyzed			06/19/2019	06/19/2019			
Matrix			Solid	Solid			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	101			
Beryllium	1.0	2.5	ND	ND			
Cadmium	1.0	2.5	ND	ND			
Chromium	2.5	5.0	ND	19.0			
Cobalt	2.5	5.0	ND	15.0			
Copper	2.5	5.0	ND	15.8			
Lead	2.5	5.0	ND	15.1			
Molybdenum	2.0	5.0	ND	ND			
Nickel	2.5	5.0	ND	10.9			
Selenium	1.0	5.0	ND	ND			
Silver	2.0	5.0	ND	ND			
Thallium	0.7	5.0	ND	ND			
Vanadium	2.5	5.0	ND	33.5			
Zinc	2.5	5.0	ND	68.8			

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QUALITY CONTROL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincol HS

Page: 3

Project ID: 12-020-07
Project Name: PO# N36035A

AETL Job Number	Submitted	Client
98587	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.5	103	50.0	52.5	105	1.9	75-125	<15
Arsenic	0.00	50.0	40.6	81.2	50.0	41.0	82.0	<1	75-125	<15
Barium	107	50.0	158	102	50.0	158	102	<1	75-125	<15
Beryllium	0.00	50.0	43.3	86.6	50.0	43.2	86.4	<1	75-125	<15
Cadmium	0.00	50.0	44.0	88.0	50.0	44.1	88.2	<1	75-125	<15
Chromium	16.7	50.0	61.2	89.0	50.0	61.2	89.0	<1	75-125	<15
Cobalt	9.01	50.0	50.3	82.6	50.0	50.4	82.8	<1	75-125	<15
Copper	16.4	50.0	66.9	101	50.0	66.4	100	<1	75-125	<15
Lead	5.23	50.0	45.2	79.9	50.0	45.4	80.3	<1	75-125	<15
Molybdenum	0.00	50.0	45.6	91.2	50.0	46.0	92.0	<1	75-125	<15
Nickel	10.8	50.0	52.0	82.4	50.0	52.0	82.4	<1	75-125	<15
Selenium	0.00	50.0	26.5 #	53.0	50.0	24.9 #	49.8	6.2	75-125	<15
Silver	0.00	50.0	41.7	83.4	50.0	41.6	83.2	<1	75-125	<15
Thallium	0.00	50.0	24.7 #	49.4	50.0	25.3 #	50.6	2.4	75-125	<15
Vanadium	33.0	50.0	80.1	94.2	50.0	80.0	94.0	<1	75-125	<15
Zinc	54.7	50.0	99.2	89.0	50.0	98.9	88.4	<1	75-125	<15

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	57.5	115	50.0	57.5	115	<1	75-125	<15	
Arsenic	50.0	56.5	113	50.0	56.0	112	<1	75-125	<15	
Barium	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Beryllium	50.0	57.0	114	50.0	56.0	112	1.8	75-125	<15	
Cadmium	50.0	56.5	113	50.0	56.0	112	<1	75-125	<15	
Chromium	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Cobalt	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15	
Copper	50.0	54.5	109	50.0	53.5	107	1.9	75-125	<15	
Lead	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 12-020-07
Project Name: PO# N36035A

AETL Job Number	Submitted	Client
98587	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Nickel	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Selenium	50.0	60.5	121	50.0	60.5	121	<1	75-125	<15	
Silver	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Thallium	50.0	52.0	104	50.0	51.0	102	1.9	75-125	<15	
Vanadium	50.0	55.0	110	50.0	54.5	109	<1	75-125	<15	
Zinc	50.0	60.0	120	50.0	59.5	119	<1	75-125	<15	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

July 09, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036036

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 13, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to American Environmental Testing Laboratory (AETL), Burbank, CA.

Analytical Comment for EPA 6020:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comments For EPA 8015B_DRO/ORO:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comment For EPA 8260B:

Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the samples were not necessary.

Analytical Comment For EPA 8270C_SIM:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *09-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036036
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036036-001A	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-001B	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-001C	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-001D	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-001E	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-001F	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-001G	B4@1.0	Soil	6/12/2019 10:35:00 AM	6/13/2019	7/9/2019
N036036-002A	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-002B	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-002C	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-002D	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-002E	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-002F	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-002G	B4@5	Soil	6/12/2019 10:48:00 AM	6/13/2019	7/9/2019
N036036-003A	B4@9	Soil	6/12/2019 11:05:00 AM	6/13/2019	7/9/2019
N036036-003B	B4@9	Soil	6/12/2019 11:05:00 AM	6/13/2019	7/9/2019
N036036-003C	B4@9	Soil	6/12/2019 11:05:00 AM	6/13/2019	7/9/2019
N036036-003D	B4@9	Soil	6/12/2019 11:05:00 AM	6/13/2019	7/9/2019
N036036-003E	B4@9	Soil	6/12/2019 11:05:00 AM	6/13/2019	7/9/2019
N036036-003F	B4@9	Soil	6/12/2019 11:05:00 AM	6/13/2019	7/9/2019
N036036-004A	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-004B	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-004C	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-004D	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-004E	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-004F	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-004G	B5@1.0	Soil	6/12/2019 1:35:00 PM	6/13/2019	7/9/2019
N036036-005A	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019
N036036-005B	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036036
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036036-005C	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019
N036036-005D	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019
N036036-005E	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019
N036036-005F	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019
N036036-005G	B5@5	Soil	6/12/2019 1:48:00 PM	6/13/2019	7/9/2019
N036036-006A	B5@10	Soil	6/12/2019 2:00:00 PM	6/13/2019	7/9/2019
N036036-006B	B5@10	Soil	6/12/2019 2:00:00 PM	6/13/2019	7/9/2019
N036036-006C	B5@10	Soil	6/12/2019 2:00:00 PM	6/13/2019	7/9/2019
N036036-006D	B5@10	Soil	6/12/2019 2:00:00 PM	6/13/2019	7/9/2019
N036036-006E	B5@10	Soil	6/12/2019 2:00:00 PM	6/13/2019	7/9/2019
N036036-006F	B5@10	Soil	6/12/2019 2:00:00 PM	6/13/2019	7/9/2019
N036036-007A	B5@15	Soil	6/12/2019 2:05:00 PM	6/13/2019	7/9/2019
N036036-007B	B5@15	Soil	6/12/2019 2:05:00 PM	6/13/2019	7/9/2019
N036036-007C	B5@15	Soil	6/12/2019 2:05:00 PM	6/13/2019	7/9/2019
N036036-007D	B5@15	Soil	6/12/2019 2:05:00 PM	6/13/2019	7/9/2019
N036036-007E	B5@15	Soil	6/12/2019 2:05:00 PM	6/13/2019	7/9/2019
N036036-007F	B5@15	Soil	6/12/2019 2:05:00 PM	6/13/2019	7/9/2019
N036036-008A	B17@0.5	Soil	6/12/2019 8:50:00 AM	6/13/2019	7/9/2019
N036036-008B	B17@0.5	Soil	6/12/2019 8:50:00 AM	6/13/2019	7/9/2019
N036036-008C	B17@0.5	Soil	6/12/2019 8:50:00 AM	6/13/2019	7/9/2019
N036036-008D	B17@0.5	Soil	6/12/2019 8:50:00 AM	6/13/2019	7/9/2019
N036036-008E	B17@0.5	Soil	6/12/2019 8:50:00 AM	6/13/2019	7/9/2019
N036036-008F	B17@0.5	Soil	6/12/2019 8:50:00 AM	6/13/2019	7/9/2019
N036036-009A	B17@1.5	Soil	6/12/2019 8:54:00 AM	6/13/2019	7/9/2019
N036036-009B	B17@1.5	Soil	6/12/2019 8:54:00 AM	6/13/2019	7/9/2019
N036036-009C	B17@1.5	Soil	6/12/2019 8:54:00 AM	6/13/2019	7/9/2019
N036036-009D	B17@1.5	Soil	6/12/2019 8:54:00 AM	6/13/2019	7/9/2019
N036036-009E	B17@1.5	Soil	6/12/2019 8:54:00 AM	6/13/2019	7/9/2019
N036036-009F	B17@1.5	Soil	6/12/2019 8:54:00 AM	6/13/2019	7/9/2019
N036036-010A	B17@3.0	Soil	6/12/2019 8:58:00 AM	6/13/2019	7/9/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036036
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036036-010B	B17@3.0	Soil	6/12/2019 8:58:00 AM	6/13/2019	7/9/2019
N036036-010C	B17@3.0	Soil	6/12/2019 8:58:00 AM	6/13/2019	7/9/2019
N036036-010D	B17@3.0	Soil	6/12/2019 8:58:00 AM	6/13/2019	7/9/2019
N036036-010E	B17@3.0	Soil	6/12/2019 8:58:00 AM	6/13/2019	7/9/2019
N036036-010F	B17@3.0	Soil	6/12/2019 8:58:00 AM	6/13/2019	7/9/2019
N036036-011A	B6@0.5	Soil	6/12/2019 3:25:00 PM	6/13/2019	7/9/2019
N036036-011B	B6@0.5	Soil	6/12/2019 3:25:00 PM	6/13/2019	7/9/2019
N036036-011C	B6@0.5	Soil	6/12/2019 3:25:00 PM	6/13/2019	7/9/2019
N036036-011D	B6@0.5	Soil	6/12/2019 3:25:00 PM	6/13/2019	7/9/2019
N036036-011E	B6@0.5	Soil	6/12/2019 3:25:00 PM	6/13/2019	7/9/2019
N036036-011F	B6@0.5	Soil	6/12/2019 3:25:00 PM	6/13/2019	7/9/2019
N036036-012A	B6@1.5	Soil	6/12/2019 3:30:00 PM	6/13/2019	7/9/2019
N036036-012B	B6@1.5	Soil	6/12/2019 3:30:00 PM	6/13/2019	7/9/2019
N036036-012C	B6@1.5	Soil	6/12/2019 3:30:00 PM	6/13/2019	7/9/2019
N036036-012D	B6@1.5	Soil	6/12/2019 3:30:00 PM	6/13/2019	7/9/2019
N036036-012E	B6@1.5	Soil	6/12/2019 3:30:00 PM	6/13/2019	7/9/2019
N036036-012F	B6@1.5	Soil	6/12/2019 3:30:00 PM	6/13/2019	7/9/2019
N036036-013A	B6@3.0	Soil	6/12/2019 3:35:00 PM	6/13/2019	7/9/2019
N036036-013B	B6@3.0	Soil	6/12/2019 3:35:00 PM	6/13/2019	7/9/2019
N036036-013C	B6@3.0	Soil	6/12/2019 3:35:00 PM	6/13/2019	7/9/2019
N036036-013D	B6@3.0	Soil	6/12/2019 3:35:00 PM	6/13/2019	7/9/2019
N036036-013E	B6@3.0	Soil	6/12/2019 3:35:00 PM	6/13/2019	7/9/2019
N036036-013F	B6@3.0	Soil	6/12/2019 3:35:00 PM	6/13/2019	7/9/2019
N036036-014A	B7@0.5	Soil	6/12/2019 3:50:00 PM	6/13/2019	7/9/2019
N036036-014B	B7@0.5	Soil	6/12/2019 3:50:00 PM	6/13/2019	7/9/2019
N036036-014C	B7@0.5	Soil	6/12/2019 3:50:00 PM	6/13/2019	7/9/2019
N036036-014D	B7@0.5	Soil	6/12/2019 3:50:00 PM	6/13/2019	7/9/2019
N036036-014E	B7@0.5	Soil	6/12/2019 3:50:00 PM	6/13/2019	7/9/2019
N036036-014F	B7@0.5	Soil	6/12/2019 3:50:00 PM	6/13/2019	7/9/2019
N036036-015A	B7@1.5	Soil	6/12/2019 3:55:00 PM	6/13/2019	7/9/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036036
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036036-015B	B7@1.5	Soil	6/12/2019 3:55:00 PM	6/13/2019	7/9/2019
N036036-015C	B7@1.5	Soil	6/12/2019 3:55:00 PM	6/13/2019	7/9/2019
N036036-015D	B7@1.5	Soil	6/12/2019 3:55:00 PM	6/13/2019	7/9/2019
N036036-015E	B7@1.5	Soil	6/12/2019 3:55:00 PM	6/13/2019	7/9/2019
N036036-015F	B7@1.5	Soil	6/12/2019 3:55:00 PM	6/13/2019	7/9/2019
N036036-016A	B7@3.0	Soil	6/12/2019 4:00:00 PM	6/13/2019	7/9/2019
N036036-016B	B7@3.0	Soil	6/12/2019 4:00:00 PM	6/13/2019	7/9/2019
N036036-016C	B7@3.0	Soil	6/12/2019 4:00:00 PM	6/13/2019	7/9/2019
N036036-016D	B7@3.0	Soil	6/12/2019 4:00:00 PM	6/13/2019	7/9/2019
N036036-016E	B7@3.0	Soil	6/12/2019 4:00:00 PM	6/13/2019	7/9/2019
N036036-016F	B7@3.0	Soil	6/12/2019 4:00:00 PM	6/13/2019	7/9/2019
N036036-017A	B8@0.5	Soil	6/12/2019 4:15:00 PM	6/13/2019	7/9/2019
N036036-017B	B8@0.5	Soil	6/12/2019 4:15:00 PM	6/13/2019	7/9/2019
N036036-017C	B8@0.5	Soil	6/12/2019 4:15:00 PM	6/13/2019	7/9/2019
N036036-017D	B8@0.5	Soil	6/12/2019 4:15:00 PM	6/13/2019	7/9/2019
N036036-017E	B8@0.5	Soil	6/12/2019 4:15:00 PM	6/13/2019	7/9/2019
N036036-017F	B8@0.5	Soil	6/12/2019 4:15:00 PM	6/13/2019	7/9/2019
N036036-018A	B8@1.5	Soil	6/12/2019 4:20:00 PM	6/13/2019	7/9/2019
N036036-018B	B8@1.5	Soil	6/12/2019 4:20:00 PM	6/13/2019	7/9/2019
N036036-018C	B8@1.5	Soil	6/12/2019 4:20:00 PM	6/13/2019	7/9/2019
N036036-018D	B8@1.5	Soil	6/12/2019 4:20:00 PM	6/13/2019	7/9/2019
N036036-018E	B8@1.5	Soil	6/12/2019 4:20:00 PM	6/13/2019	7/9/2019
N036036-018F	B8@1.5	Soil	6/12/2019 4:20:00 PM	6/13/2019	7/9/2019
N036036-019A	B8@3.0	Soil	6/12/2019 4:25:00 PM	6/13/2019	7/9/2019
N036036-019B	B8@3.0	Soil	6/12/2019 4:25:00 PM	6/13/2019	7/9/2019
N036036-019C	B8@3.0	Soil	6/12/2019 4:25:00 PM	6/13/2019	7/9/2019
N036036-019D	B8@3.0	Soil	6/12/2019 4:25:00 PM	6/13/2019	7/9/2019
N036036-019E	B8@3.0	Soil	6/12/2019 4:25:00 PM	6/13/2019	7/9/2019
N036036-019F	B8@3.0	Soil	6/12/2019 4:25:00 PM	6/13/2019	7/9/2019

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B4@1.0
Lab Order:	N036036	**Collection Date:**	6/12/2019 10:35:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Acenaphthene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Acenaphthylene	7.0	5.0		µg/Kg	1	6/21/2019 12:27 AM
Anthracene	8.5	5.0		µg/Kg	1	6/21/2019 12:27 AM
Benzo(a)anthracene	12	5.0		µg/Kg	1	6/21/2019 12:27 AM
Benzo(a)pyrene	14	5.0		µg/Kg	1	6/21/2019 12:27 AM
Benzo(b)fluoranthene	20	5.0		µg/Kg	1	6/21/2019 12:27 AM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Benzo(k)fluoranthene	6.0	5.0		µg/Kg	1	6/21/2019 12:27 AM
Chrysene	24	5.0		µg/Kg	1	6/21/2019 12:27 AM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Fluoranthene	19	5.0		µg/Kg	1	6/21/2019 12:27 AM
Fluorene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Naphthalene	ND	5.0		µg/Kg	1	6/21/2019 12:27 AM
Phenanthrene	7.0	5.0		µg/Kg	1	6/21/2019 12:27 AM
Pyrene	30	5.0		µg/Kg	1	6/21/2019 12:27 AM
Surr: 1,2-Dichlorobenzene-d4	68.0	26-102		%REC	1	6/21/2019 12:27 AM
Surr: 2-Fluorobiphenyl	97.0	27-106		%REC	1	6/21/2019 12:27 AM
Surr: 4-Terphenyl-d14	83.0	35-123		%REC	1	6/21/2019 12:27 AM
Surr: Nitrobenzene-d5	77.0	30-104		%REC	1	6/21/2019 12:27 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,1,1-Trichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,1,2,2-Tetrachloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,1,2-Trichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,1-Dichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,1-Dichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,1-Dichloropropene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2,3-Trichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2,3-Trichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2,4-Trichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2,4-Trimethylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B4@1.0
Lab Order:	N036036	**Collection Date:**	6/12/2019 10:35:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate:	6/19/2019	Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	7.8		µg/Kg	1	6/19/2019 10:30 PM
1,2-Dibromoethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2-Dichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2-Dichloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,2-Dichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,3,5-Trimethylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,3-Dichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,3-Dichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
1,4-Dichlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
2,2-Dichloropropane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
2-Butanone	ND	39		µg/Kg	1	6/19/2019 10:30 PM
2-Chlorotoluene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
4-Chlorotoluene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
4-Isopropyltoluene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Benzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Bromobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Bromodichloromethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Bromoform	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Bromomethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Carbon tetrachloride	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Chlorobenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Chloroethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Chloroform	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Chloromethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
cis-1,2-Dichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
cis-1,3-Dichloropropene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Dibromochloromethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Dibromomethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Dichlorodifluoromethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Ethylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Freon-113	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Hexachlorobutadiene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Isopropylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
m,p-Xylene	ND	7.8		µg/Kg	1	6/19/2019 10:30 PM
Methylene chloride	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
MTBE	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B4@1.0
Lab Order:	N036036	**Collection Date:**	6/12/2019 10:35:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
n-Propylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Naphthalene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
o-Xylene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
sec-Butylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Styrene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
tert-Butylbenzene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Tetrachloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Toluene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
trans-1,2-Dichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Trichloroethene	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Trichlorofluoromethane	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Vinyl chloride	ND	3.9		µg/Kg	1	6/19/2019 10:30 PM
Surr: 1,2-Dichloroethane-d4	144	70-156		%REC	1	6/19/2019 10:30 PM
Surr: 4-Bromofluorobenzene	94.0	73-129		%REC	1	6/19/2019 10:30 PM
Surr: Dibromofluoromethane	128	73-146		%REC	1	6/19/2019 10:30 PM
Surr: Toluene-d8	104	80-120		%REC	1	6/19/2019 10:30 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B / **EPA 8015B**						
RunID: NV00922-GC3_190708A QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	19	10		mg/Kg	1	7/8/2019 03:26 PM
ORO	41	10		mg/Kg	1	7/8/2019 03:26 PM
Surr: p-Terphenyl	112	56-133		%REC	1	7/8/2019 03:26 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.81		mg/Kg	1	6/15/2019 02:52 PM
Surr: Chlorobenzene - d5	116	47-163		%REC	1	6/15/2019 02:52 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.099		mg/Kg	1	6/18/2019 11:25 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B4@5
Lab Order:	N036036	**Collection Date:**	6/12/2019 10:48:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Acenaphthene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Acenaphthylene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Anthracene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Chrysene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Fluoranthene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Fluorene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Naphthalene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Phenanthrene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Pyrene	ND	5.0		µg/Kg	1	6/21/2019 12:55 AM
Surr: 1,2-Dichlorobenzene-d4	70.0	26-102		%REC	1	6/21/2019 12:55 AM
Surr: 2-Fluorobiphenyl	98.0	27-106		%REC	1	6/21/2019 12:55 AM
Surr: 4-Terphenyl-d14	82.0	35-123		%REC	1	6/21/2019 12:55 AM
Surr: Nitrobenzene-d5	80.0	30-104		%REC	1	6/21/2019 12:55 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,1,1-Trichloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,1,2,2-Tetrachloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,1,2-Trichloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,1-Dichloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,1-Dichloroethene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,1-Dichloropropene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2,3-Trichlorobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2,3-Trichloropropane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2,4-Trichlorobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2,4-Trimethylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B4@5
Lab Order:	N036036	**Collection Date:**	6/12/2019 10:48:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate:	6/19/2019	Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	8.0		µg/Kg	1	6/19/2019 10:54 PM
1,2-Dibromoethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2-Dichlorobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2-Dichloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,2-Dichloropropane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,3,5-Trimethylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,3-Dichlorobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,3-Dichloropropane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
1,4-Dichlorobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
2,2-Dichloropropane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
2-Butanone	ND	40		µg/Kg	1	6/19/2019 10:54 PM
2-Chlorotoluene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
4-Chlorotoluene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
4-Isopropyltoluene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Benzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Bromobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Bromodichloromethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Bromoform	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Bromomethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Carbon tetrachloride	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Chlorobenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Chloroethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Chloroform	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Chloromethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
cis-1,2-Dichloroethene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
cis-1,3-Dichloropropene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Dibromochloromethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Dibromomethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Dichlorodifluoromethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Ethylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Freon-113	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Hexachlorobutadiene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Isopropylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
m,p-Xylene	ND	8.0		µg/Kg	1	6/19/2019 10:54 PM
Methylene chloride	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
MTBE	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B4@5
Lab Order:	N036036	**Collection Date:**	6/12/2019 10:48:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
n-Propylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Naphthalene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
o-Xylene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
sec-Butylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Styrene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
tert-Butylbenzene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Tetrachloroethene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Toluene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
trans-1,2-Dichloroethene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Trichloroethene	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Trichlorofluoromethane	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Vinyl chloride	ND	4.0		µg/Kg	1	6/19/2019 10:54 PM
Surr: 1,2-Dichloroethane-d4	146	70-156		%REC	1	6/19/2019 10:54 PM
Surr: 4-Bromofluorobenzene	91.9	73-129		%REC	1	6/19/2019 10:54 PM
Surr: Dibromofluoromethane	124	73-146		%REC	1	6/19/2019 10:54 PM
Surr: Toluene-d8	103	80-120		%REC	1	6/19/2019 10:54 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B **EPA 8015B**						
RunID: NV00922-GC3_190708A QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	27	9.9		mg/Kg	1	7/8/2019 03:53 PM
ORO	59	9.9		mg/Kg	1	7/8/2019 03:53 PM
Surr: p-Terphenyl	81.6	56-133		%REC	1	7/8/2019 03:53 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.84		mg/Kg	1	6/15/2019 03:23 PM
Surr: Chlorobenzene - d5	134	47-163		%REC	1	6/15/2019 03:23 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.10		mg/Kg	1	6/18/2019 11:29 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B5@1.0
Lab Order:	N036036	**Collection Date:**	6/12/2019 1:35:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 01:23 AM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 01:23 AM
Acenaphthene	ND	5.0		µg/Kg	1	6/21/2019 01:23 AM
Acenaphthylene	22	5.0		µg/Kg	1	6/21/2019 01:23 AM
Anthracene	7.0	5.0		µg/Kg	1	6/21/2019 01:23 AM
Benzo(a)anthracene	24	5.0		µg/Kg	1	6/21/2019 01:23 AM
Benzo(a)pyrene	33	5.0		µg/Kg	1	6/21/2019 01:23 AM
Benzo(b)fluoranthene	32	5.0		µg/Kg	1	6/21/2019 01:23 AM
Benzo(g,h,i)perylene	16	5.0		µg/Kg	1	6/21/2019 01:23 AM
Benzo(k)fluoranthene	9.5	5.0		µg/Kg	1	6/21/2019 01:23 AM
Chrysene	28	5.0		µg/Kg	1	6/21/2019 01:23 AM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/21/2019 01:23 AM
Fluoranthene	100	5.0		µg/Kg	1	6/21/2019 01:23 AM
Fluorene	7.0	5.0		µg/Kg	1	6/21/2019 01:23 AM
Indeno(1,2,3-cd)pyrene	11	5.0		µg/Kg	1	6/21/2019 01:23 AM
Naphthalene	ND	5.0		µg/Kg	1	6/21/2019 01:23 AM
Phenanthrene	58	5.0		µg/Kg	1	6/21/2019 01:23 AM
Pyrene	170	5.0		µg/Kg	1	6/21/2019 01:23 AM
Surr: 1,2-Dichlorobenzene-d4	73.0	26-102		%REC	1	6/21/2019 01:23 AM
Surr: 2-Fluorobiphenyl	102	27-106		%REC	1	6/21/2019 01:23 AM
Surr: 4-Terphenyl-d14	85.0	35-123		%REC	1	6/21/2019 01:23 AM
Surr: Nitrobenzene-d5	82.0	30-104		%REC	1	6/21/2019 01:23 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,1-Dichloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,1-Dichloroethene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,1-Dichloropropene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2,3-Trichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2,3-Trichloropropane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2,4-Trichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2,4-Trimethylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B5@1.0
Lab Order:	N036036	**Collection Date:**	6/12/2019 1:35:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	8.3		µg/Kg	1	6/19/2019 11:19 PM
1,2-Dibromoethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2-Dichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2-Dichloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,2-Dichloropropane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,3,5-Trimethylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,3-Dichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,3-Dichloropropane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
1,4-Dichlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
2,2-Dichloropropane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
2-Butanone	ND	42		µg/Kg	1	6/19/2019 11:19 PM
2-Chlorotoluene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
4-Chlorotoluene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
4-Isopropyltoluene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Benzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Bromobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Bromodichloromethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Bromoform	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Bromomethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Carbon tetrachloride	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Chlorobenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Chloroethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Chloroform	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Chloromethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
cis-1,2-Dichloroethene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
cis-1,3-Dichloropropene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Dibromochloromethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Dibromomethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Dichlorodifluoromethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Ethylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Freon-113	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Hexachlorobutadiene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Isopropylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
m,p-Xylene	ND	8.3		µg/Kg	1	6/19/2019 11:19 PM
Methylene chloride	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
MTBE	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Lab Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036036-004

Client Sample ID: B5@1.0
Collection Date: 6/12/2019 1:35:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
n-Propylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Naphthalene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
o-Xylene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
sec-Butylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Styrene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
tert-Butylbenzene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Tetrachloroethene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Toluene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
trans-1,2-Dichloroethene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Trichloroethene	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Trichlorofluoromethane	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Vinyl chloride	ND	4.2		µg/Kg	1	6/19/2019 11:19 PM
Surr: 1,2-Dichloroethane-d4	147	70-156		%REC	1	6/19/2019 11:19 PM
Surr: 4-Bromofluorobenzene	89.8	73-129		%REC	1	6/19/2019 11:19 PM
Surr: Dibromofluoromethane	125	73-146		%REC	1	6/19/2019 11:19 PM
Surr: Toluene-d8	106	80-120		%REC	1	6/19/2019 11:19 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190708A QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	13	10		mg/Kg	1	7/8/2019 04:21 PM
ORO	24	10		mg/Kg	1	7/8/2019 04:21 PM
Surr: p-Terphenyl	107	56-133		%REC	1	7/8/2019 04:21 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.80		mg/Kg	1	6/15/2019 03:53 PM
Surr: Chlorobenzene - d5	122	47-163		%REC	1	6/15/2019 03:53 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.099		mg/Kg	1	6/18/2019 11:33 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B5@5
Lab Order:	N036036	**Collection Date:**	6/12/2019 1:48:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
EPA 3546				**EPA 8270CSIM**		
RunID: NV00922-MS9_190620B QC Batch: 74270				PrepDate: 6/19/2019		Analyst: **HH**
1-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Acenaphthene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Acenaphthylene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Anthracene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Chrysene	6.0	5.0		µg/Kg	1	6/21/2019 01:52 AM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Fluoranthene	6.5	5.0		µg/Kg	1	6/21/2019 01:52 AM
Fluorene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Naphthalene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Phenanthrene	ND	5.0		µg/Kg	1	6/21/2019 01:52 AM
Pyrene	9.0	5.0		µg/Kg	1	6/21/2019 01:52 AM
Surr: 1,2-Dichlorobenzene-d4	69.0	26-102		%REC	1	6/21/2019 01:52 AM
Surr: 2-Fluorobiphenyl	101	27-106		%REC	1	6/21/2019 01:52 AM
Surr: 4-Terphenyl-d14	91.0	35-123		%REC	1	6/21/2019 01:52 AM
Surr: Nitrobenzene-d5	79.0	30-104		%REC	1	6/21/2019 01:52 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: CA01638-MS10_190619A QC Batch: CA19VS115				PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,1,1-Trichloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,1,2,2-Tetrachloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,1,2-Trichloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,1-Dichloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,1-Dichloroethene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,1-Dichloropropene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2,3-Trichlorobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2,3-Trichloropropane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2,4-Trichlorobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2,4-Trimethylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B5@5
Lab Order:	N036036	**Collection Date:**	6/12/2019 1:48:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,2-Dibromo-3-chloropropane	ND	7.1		µg/Kg	1	6/19/2019 11:43 PM
1,2-Dibromoethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2-Dichlorobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2-Dichloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,2-Dichloropropane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,3,5-Trimethylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,3-Dichlorobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,3-Dichloropropane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
1,4-Dichlorobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
2,2-Dichloropropane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
2-Butanone	ND	35		µg/Kg	1	6/19/2019 11:43 PM
2-Chlorotoluene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
4-Chlorotoluene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
4-Isopropyltoluene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Benzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Bromobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Bromodichloromethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Bromoform	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Bromomethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Carbon tetrachloride	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Chlorobenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Chloroethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Chloroform	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Chloromethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
cis-1,2-Dichloroethene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
cis-1,3-Dichloropropene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Dibromochloromethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Dibromomethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Dichlorodifluoromethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Ethylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Freon-113	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Hexachlorobutadiene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Isopropylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
m,p-Xylene	ND	7.1		µg/Kg	1	6/19/2019 11:43 PM
Methylene chloride	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
MTBE	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B5@5
Lab Order:	N036036	**Collection Date:**	6/12/2019 1:48:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
n-Butylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
n-Propylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Naphthalene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
o-Xylene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
sec-Butylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Styrene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
tert-Butylbenzene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Tetrachloroethene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Toluene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
trans-1,2-Dichloroethene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Trichloroethene	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Trichlorofluoromethane	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Vinyl chloride	ND	3.5		µg/Kg	1	6/19/2019 11:43 PM
Surr: 1,2-Dichloroethane-d4	138	70-156		%REC	1	6/19/2019 11:43 PM
Surr: 4-Bromofluorobenzene	82.6	73-129		%REC	1	6/19/2019 11:43 PM
Surr: Dibromofluoromethane	128	73-146		%REC	1	6/19/2019 11:43 PM
Surr: Toluene-d8	95.9	80-120		%REC	1	6/19/2019 11:43 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B / **EPA 8015B**						
RunID: NV00922-GC3_190708A QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	39	9.9		mg/Kg	1	7/8/2019 04:48 PM
ORO	88	9.9		mg/Kg	1	7/8/2019 04:48 PM
Surr: p-Terphenyl	77.1	56-133		%REC	1	7/8/2019 04:48 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.90		mg/Kg	1	6/15/2019 04:24 PM
Surr: Chlorobenzene - d5	117	47-163		%REC	1	6/15/2019 04:24 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471A						
RunID: NV00922-AA1_190618A QC Batch: 74239 PrepDate: 6/17/2019 Analyst: **MG**						
Mercury	ND	0.10		mg/Kg	1	6/18/2019 11:37 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B17@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 8:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190708A QC Batch: 74282				PrepDate:	6/20/2019	Analyst: **LLR**
DRO	170	9.9		mg/Kg	1	7/8/2019 05:16 PM
ORO	510	9.9		mg/Kg	1	7/8/2019 05:16 PM
Surr: p-Terphenyl	87.6	56-133		%REC	1	7/8/2019 05:16 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093				PrepDate:	6/15/2019	Analyst: **QBM**
GRO	ND	1.1		mg/Kg	1	6/15/2019 04:55 PM
Surr: Chlorobenzene - d5	112	47-163		%REC	1	6/15/2019 04:55 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B QC Batch: 74236				PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	6.9	0.50		mg/Kg	1	6/26/2019 06:53 PM
Lead	41	0.25		mg/Kg	1	6/26/2019 06:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B6@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 3:25:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190619A	QC Batch: CA19VS115			PrepDate: 6/19/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,1,1-Trichloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,1,2,2-Tetrachloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,1,2-Trichloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,1-Dichloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,1-Dichloroethene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,1-Dichloropropene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2,3-Trichlorobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2,3-Trichloropropane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2,4-Trichlorobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2,4-Trimethylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2-Dibromo-3-chloropropane	ND	7.9		µg/Kg	1	6/20/2019 12:08 AM
1,2-Dibromoethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2-Dichlorobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2-Dichloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,2-Dichloropropane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,3,5-Trimethylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,3-Dichlorobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,3-Dichloropropane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
1,4-Dichlorobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
2,2-Dichloropropane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
2-Butanone	ND	39		µg/Kg	1	6/20/2019 12:08 AM
2-Chlorotoluene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
4-Chlorotoluene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
4-Isopropyltoluene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Benzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Bromobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Bromodichloromethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Bromoform	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Bromomethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Carbon tetrachloride	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Chlorobenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Chloroethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Chloroform	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Chloromethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
cis-1,2-Dichloroethene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B6@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 3:25:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190619A QC Batch: CA19VS115 PrepDate: 6/19/2019 Analyst: **AW**						
cis-1,3-Dichloropropene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Dibromochloromethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Dibromomethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Dichlorodifluoromethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Ethylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Freon-113	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Hexachlorobutadiene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Isopropylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
m,p-Xylene	ND	7.9		µg/Kg	1	6/20/2019 12:08 AM
Methylene chloride	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
MTBE	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
n-Butylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
n-Propylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Naphthalene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
o-Xylene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
sec-Butylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Styrene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
tert-Butylbenzene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Tetrachloroethene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Toluene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
trans-1,2-Dichloroethene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Trichloroethene	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Trichlorofluoromethane	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Vinyl chloride	ND	3.9		µg/Kg	1	6/20/2019 12:08 AM
Surr: 1,2-Dichloroethane-d4	147	70-156		%REC	1	6/20/2019 12:08 AM
Surr: 4-Bromofluorobenzene	92.1	73-129		%REC	1	6/20/2019 12:08 AM
Surr: Dibromofluoromethane	131	73-146		%REC	1	6/20/2019 12:08 AM
Surr: Toluene-d8	108	80-120		%REC	1	6/20/2019 12:08 AM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190708A QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	12	10		mg/Kg	1	7/8/2019 05:43 PM
ORO	23	10		mg/Kg	1	7/8/2019 05:43 PM
Surr: p-Terphenyl	71.0	56-133		%REC	1	7/8/2019 05:43 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B6@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 3:25:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.77		mg/Kg	1	6/15/2019 06:27 PM
Surr: Chlorobenzene - d5	111	47-163		%REC	1	6/15/2019 06:27 PM
TOTAL METALS BY ICPMS						
EPA 3050B **EPA 6020**						
RunID: NV00922-ICP7_190626B QC Batch: 74236 PrepDate: 6/17/2019 Analyst: **HG**						
Arsenic	2.2	0.50		mg/Kg	1	6/26/2019 06:57 PM
Lead	8.5	0.25		mg/Kg	1	6/26/2019 06:57 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B7@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 3:50:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190621A	QC Batch: CA19VS117			PrepDate: 6/21/2019		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,1-Dichloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,1-Dichloroethene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,1-Dichloropropene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2,3-Trichlorobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2,3-Trichloropropane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2,4-Trichlorobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2,4-Trimethylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2-Dibromo-3-chloropropane	ND	8.4		µg/Kg	1	6/21/2019 02:19 PM
1,2-Dibromoethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2-Dichlorobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2-Dichloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,2-Dichloropropane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,3,5-Trimethylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,3-Dichlorobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,3-Dichloropropane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
1,4-Dichlorobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
2,2-Dichloropropane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
2-Butanone	ND	42		µg/Kg	1	6/21/2019 02:19 PM
2-Chlorotoluene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
4-Chlorotoluene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
4-Isopropyltoluene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Benzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Bromobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Bromodichloromethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Bromoform	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Bromomethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Carbon tetrachloride	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Chlorobenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Chloroethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Chloroform	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Chloromethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
cis-1,2-Dichloroethene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B7@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 3:50:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190621A QC Batch: CA19VS117 PrepDate: 6/21/2019 Analyst: **AW**						
cis-1,3-Dichloropropene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Dibromochloromethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Dibromomethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Dichlorodifluoromethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Ethylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Freon-113	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Hexachlorobutadiene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Isopropylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
m,p-Xylene	ND	8.4		µg/Kg	1	6/21/2019 02:19 PM
Methylene chloride	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
MTBE	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
n-Butylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
n-Propylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Naphthalene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
o-Xylene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
sec-Butylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Styrene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
tert-Butylbenzene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Tetrachloroethene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Toluene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
trans-1,2-Dichloroethene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Trichloroethene	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Trichlorofluoromethane	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Vinyl chloride	ND	4.2		µg/Kg	1	6/21/2019 02:19 PM
Surr: 1,2-Dichloroethane-d4	146	70-156		%REC	1	6/21/2019 02:19 PM
Surr: 4-Bromofluorobenzene	95.9	73-129		%REC	1	6/21/2019 02:19 PM
Surr: Dibromofluoromethane	125	73-146		%REC	1	6/21/2019 02:19 PM
Surr: Toluene-d8	114	80-120		%REC	1	6/21/2019 02:19 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190708A QC Batch: 74282 PrepDate: 6/20/2019 Analyst: **LLR**						
DRO	19	10		mg/Kg	1	7/8/2019 06:11 PM
ORO	37	10		mg/Kg	1	7/8/2019 06:11 PM
Surr: p-Terphenyl	105	56-133		%REC	1	7/8/2019 06:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B7@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 3:50:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B						
RunID: NV00922-GC4_190615A QC Batch: E19VS093 PrepDate: 6/15/2019 Analyst: **QBM**						
GRO	ND	0.79		mg/Kg	1	6/15/2019 06:58 PM
Surr: Chlorobenzene - d5	123	47-163		%REC	1	6/15/2019 06:58 PM
TOTAL METALS BY ICPMS						
EPA 3050B **EPA 6020**						
RunID: NV00922-ICP7_190626B QC Batch: 74236 PrepDate: 6/17/2019 Analyst: **HG**						
Arsenic	3.8	0.50		mg/Kg	1	6/26/2019 07:02 PM
Lead	18	0.25		mg/Kg	1	6/26/2019 07:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B8@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 4:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-017		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190620A	QC Batch: CA19VS116			PrepDate: 6/19/2019	Analyst: **AW**	
1,1,1,2-Tetrachloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,1,1-Trichloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,1,2,2-Tetrachloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,1,2-Trichloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,1-Dichloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,1-Dichloroethene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,1-Dichloropropene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2,3-Trichlorobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2,3-Trichloropropane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2,4-Trichlorobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2,4-Trimethylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2-Dibromo-3-chloropropane	ND	8.9		µg/Kg	1	6/20/2019 04:54 PM
1,2-Dibromoethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2-Dichlorobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2-Dichloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,2-Dichloropropane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,3,5-Trimethylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,3-Dichlorobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,3-Dichloropropane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
1,4-Dichlorobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
2,2-Dichloropropane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
2-Butanone	ND	44		µg/Kg	1	6/20/2019 04:54 PM
2-Chlorotoluene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
4-Chlorotoluene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
4-Isopropyltoluene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Benzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Bromobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Bromodichloromethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Bromoform	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Bromomethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Carbon tetrachloride	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Chlorobenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Chloroethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Chloroform	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Chloromethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
cis-1,2-Dichloroethene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Lab Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036036-017

Client Sample ID: B8@0.5
Collection Date: 6/12/2019 4:15:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190620A QC Batch: CA19VS116 PrepDate: 6/19/2019 Analyst: **AW**						
cis-1,3-Dichloropropene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Dibromochloromethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Dibromomethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Dichlorodifluoromethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Ethylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Freon-113	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Hexachlorobutadiene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Isopropylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
m,p-Xylene	ND	8.9		µg/Kg	1	6/20/2019 04:54 PM
Methylene chloride	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
MTBE	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
n-Butylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
n-Propylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Naphthalene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
o-Xylene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
sec-Butylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Styrene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
tert-Butylbenzene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Tetrachloroethene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Toluene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
trans-1,2-Dichloroethene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Trichloroethene	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Trichlorofluoromethane	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Vinyl chloride	ND	4.4		µg/Kg	1	6/20/2019 04:54 PM
Surr: 1,2-Dichloroethane-d4	137	70-156		%REC	1	6/20/2019 04:54 PM
Surr: 4-Bromofluorobenzene	84.0	73-129		%REC	1	6/20/2019 04:54 PM
Surr: Dibromofluoromethane	119	73-146		%REC	1	6/20/2019 04:54 PM
Surr: Toluene-d8	95.1	80-120		%REC	1	6/20/2019 04:54 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B**		
RunID: NV00922-GC3_190706B QC Batch: 74306 PrepDate: 6/21/2019 Analyst: **LLR**						
DRO	ND	10		mg/Kg	1	7/6/2019 06:51 PM
ORO	14	10		mg/Kg	1	7/6/2019 06:51 PM
Surr: p-Terphenyl	106	56-133		%REC	1	7/6/2019 06:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *09-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B8@0.5
Lab Order:	N036036	**Collection Date:**	6/12/2019 4:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036036-017		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
EPA 3546				**EPA 8082**		
RunID: NV00922-GC7_190617A	QC Batch: 74211			PrepDate:	6/14/2019	Analyst: **MDM**
Aroclor 1016	ND	16		µg/Kg	1	6/17/2019 10:37 PM
Aroclor 1221	ND	33		µg/Kg	1	6/17/2019 10:37 PM
Aroclor 1232	ND	16		µg/Kg	1	6/17/2019 10:37 PM
Aroclor 1242	ND	16		µg/Kg	1	6/17/2019 10:37 PM
Aroclor 1248	ND	16		µg/Kg	1	6/17/2019 10:37 PM
Aroclor 1254	ND	16		µg/Kg	1	6/17/2019 10:37 PM
Aroclor 1260	ND	16		µg/Kg	1	6/17/2019 10:37 PM
Surr: Decachlorobiphenyl	70.4	25-120		%REC	1	6/17/2019 10:37 PM
Surr: Tetrachloro-m-xylene	77.6	21-118		%REC	1	6/17/2019 10:37 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190619B	QC Batch: E19VS095			PrepDate:	6/19/2019	Analyst: **QBM**
GRO	ND	0.93		mg/Kg	1	6/19/2019 03:39 PM
Surr: Chlorobenzene - d5	143	47-163		%REC	1	6/19/2019 03:39 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190626B	QC Batch: 74236			PrepDate:	6/17/2019	Analyst: **HG**
Arsenic	3.4	0.50		mg/Kg	1	6/26/2019 07:08 PM
Lead	20	0.25		mg/Kg	1	6/26/2019 07:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74236** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **PBS** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74236** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **LCSS** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.172	0.50	5.000	0	103	85	115				
Lead	4.645	0.25	5.000	0	92.9	85	115				

Sample ID: **N035992-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **ZZZZZZ** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.274	0.50	4.998	3.489	95.8	75	125				
Lead	58.967	0.25	4.998	41.40	352	75	125				S

Sample ID: **N035992-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134760**
Client ID: **ZZZZZZ** Batch ID: **74236** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/26/2019** SeqNo: **3422581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.195	0.50	4.998	3.489	94.2	75	125	8.274	0.957	20	
Lead	59.602	0.25	4.998	41.40	364	75	125	58.97	1.07	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-74239** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **PBS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-74239** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **LCSS** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.421	0.10	0.4167	0	101	80	120				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.445	0.099	0.4105	0.03221	101	75	125				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/17/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74239** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.436	0.099	0.4105	0.03221	98.4	75	125	0.4455	2.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74282** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **PBS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	ND	10									
Surr: p-Terphenyl	81.330		80.00		102	56	133				

Sample ID: **LCS-74282** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **LCSS** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	934.375	10	1000	0	93.4	69	123				
Surr: p-Terphenyl	82.689		80.00		103	56	133				

Sample ID: **N036149-001B-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1030.895	20	990.1	325.1	71.3	46	142				
Surr: p-Terphenyl	86.679		79.21		109	56	133				

Sample ID: **N036149-001B-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/20/2019** RunNo: **134683**
Client ID: **ZZZZZZ** Batch ID: **74282** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **6/22/2019** SeqNo: **3418859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	10.701	0.20	9.930	325.1	-3170	46	142	1031	196	20	SR
Surr: p-Terphenyl	0.865		0.7944		109	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74306** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **PBS** Batch ID: **74306** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **7/2/2019** SeqNo: **3428049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	4.159	10									
ORO	3.453	10									
Surr: p-Terphenyl	90.201		80.00		113	56	133				

Sample ID: **LCS-74306** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **LCSS** Batch ID: **74306** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **7/2/2019** SeqNo: **3428050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1174.133	10	1000	0	117	69	123				
Surr: p-Terphenyl	84.275		80.00		105	56	133				

Sample ID: **N036030-005A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **ZZZZZZ** Batch ID: **74306** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **7/3/2019** SeqNo: **3429335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1470.851	10	1000	8.170	146	46	142				S
Surr: p-Terphenyl	95.565		80.00		119	56	133				

Sample ID: **N036030-005A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **ZZZZZZ** Batch ID: **74306** TestNo: **EPA 8015B** **EPA 3550B** Analysis Date: **7/3/2019** SeqNo: **3429336**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1676.064	9.9	990.1	8.170	168	46	142	1471	13.0	20	S
Surr: p-Terphenyl	95.717		79.21		121	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190615LCS** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.576	1.0	5.000	0	91.5	72	136				
Surr: Chlorobenzene - d5	92.391		100.0		92.4	47	163				

Sample ID: **E190615LCSD** SampType: **LCSD** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **LCSS02** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.403	1.0	5.000	0	88.1	72	136	4.576	3.85	20	
Surr: Chlorobenzene - d5	89.332		100.0		89.3	47	163		0		

Sample ID: **E190615MB1** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134536**
Client ID: **PBS** Batch ID: **E19VS093** TestNo: **EPA 8015B** Analysis Date: **6/15/2019** SeqNo: **3412433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	112.232		100.0		112	47	163				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190619LCS2** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **LCSS** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.874	1.0	5.000	0	97.5	72	136				
Surr: Chlorobenzene - d5	92.481		100.0		92.5	47	163				

Sample ID: **E190619MB2** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **PBS** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	114.395		100.0		114	47	163				

Sample ID: **N036082-001AMS** SampType: **MS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **ZZZZZZ** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416033**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.501	1.0	5.000	0	90.0	43	153				
Surr: Chlorobenzene - d5	98.488		100.0		98.5	47	163				

Sample ID: **N036082-001AMSD** SampType: **MSD** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **ZZZZZZ** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416034**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.855	1.0	5.000	0	97.1	43	153	4.501	7.57	20	
Surr: Chlorobenzene - d5	101.124		100.0		101	47	163		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082SOIL_M

Sample ID: **LCS-74211_PCB** SampType: **LCS** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134556**
Client ID: **LCSS** Batch ID: **74211** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/17/2019** SeqNo: **3414188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	152.751	16	166.7	0	91.6	51	111				
Aroclor 1260	164.163	16	166.7	0	98.5	51	116				
Surr: Decachlorobiphenyl	15.328		16.67		92.0	25	120				
Surr: Tetrachloro-m-xylene	13.067		16.67		78.4	21	118				

Sample ID: **MB-74211** SampType: **MBLK** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134556**
Client ID: **PBS** Batch ID: **74211** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/17/2019** SeqNo: **3414189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	18.861		16.67		113	25	120				
Surr: Tetrachloro-m-xylene	16.364		16.67		98.2	21	118				

Sample ID: **N036038-001A-MS_P** SampType: **MS** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/14/2019** RunNo: **134556**
Client ID: **ZZZZZZ** Batch ID: **74211** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/17/2019** SeqNo: **3414191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	108.958	17	166.8	0	65.3	31	113				
Aroclor 1260	111.654	17	166.8	0	66.9	31	105				
Surr: Decachlorobiphenyl	8.839		16.68		53.0	25	120				
Surr: Tetrachloro-m-xylene	7.901		16.68		47.4	21	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082SOIL_M

Sample ID:	**N036038-001A-MSD**	SampType:	**MSD**	TestCode:	**8082SOIL_M**	Units:	**µg/Kg**	Prep Date:	**6/14/2019**	RunNo:	**134556**	
Client ID:	**ZZZZZZ**	Batch ID:	**74211**	TestNo:	**EPA 8082**		**EPA 3546**	Analysis Date:	**6/17/2019**	SeqNo:	**3414192**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.426	16	166.6	0	77.7	31	113	109.0	17.2	20	
Aroclor 1260	128.871	16	166.6	0	77.4	31	105	111.7	14.3	20	
Surr: Decachlorobiphenyl	11.578		16.66		69.5	25	120		0		
Surr: Tetrachloro-m-xylene	9.296		16.66		55.8	21	118		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.090	5.0	40.00	0	113	78	127				
1,1,1-Trichloroethane	43.830	5.0	40.00	0	110	75	128				
1,1,2,2-Tetrachloroethane	42.840	5.0	40.00	0	107	78	126				
1,1,2-Trichloroethane	44.300	5.0	40.00	0	111	80	120				
1,1-Dichloroethane	41.360	5.0	40.00	0	103	65	136				
1,1-Dichloroethene	39.290	5.0	40.00	0	98.2	66	134				
1,1-Dichloropropene	49.380	5.0	40.00	0	123	79	128				
1,2,3-Trichlorobenzene	43.580	5.0	40.00	0	109	80	120				
1,2,3-Trichloropropane	37.070	5.0	40.00	0	92.7	79	123				
1,2,4-Trichlorobenzene	40.030	5.0	40.00	0	100	74	121				
1,2,4-Trimethylbenzene	46.070	5.0	40.00	0	115	79	128				
1,2-Dibromo-3-chloropropane	36.180	10	40.00	0	90.4	65	131				
1,2-Dibromoethane	42.350	5.0	40.00	0	106	79	124				
1,2-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120				
1,2-Dichloroethane	45.500	5.0	40.00	0	114	80	120				
1,2-Dichloropropane	42.620	5.0	40.00	0	107	80	120				
1,3,5-Trimethylbenzene	44.830	5.0	40.00	0	112	76	129				
1,3-Dichlorobenzene	42.330	5.0	40.00	0	106	80	120				
1,3-Dichloropropane	42.520	5.0	40.00	0	106	80	120				
1,4-Dichlorobenzene	43.020	5.0	40.00	0	108	80	120				
2,2-Dichloropropane	40.290	5.0	40.00	0	101	66	136				
2-Butanone	402.170	50	400.0	0	101	54	145				
2-Chlorotoluene	47.140	5.0	40.00	0	118	78	124				
4-Chlorotoluene	47.670	5.0	40.00	0	119	79	125				
4-Isopropyltoluene	43.320	5.0	40.00	0	108	75	130				
Benzene	48.210	5.0	40.00	0	121	80	120				S
Bromobenzene	46.160	5.0	40.00	0	115	80	120				
Bromodichloromethane	44.150	5.0	40.00	0	110	80	127				
Bromoform	45.570	5.0	40.00	0	114	67	136				
Bromomethane	64.780	5.0	40.00	0	162	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	48.120	5.0	40.00	0	120	75	137				
Chlorobenzene	43.720	5.0	40.00	0	109	80	120				
Chloroethane	46.950	5.0	40.00	0	117	64	145				
Chloroform	41.010	5.0	40.00	0	103	75	120				
Chloromethane	48.590	5.0	40.00	0	121	58	139				
cis-1,2-Dichloroethene	41.490	5.0	40.00	0	104	76	120				
cis-1,3-Dichloropropene	43.570	5.0	40.00	0	109	77	128				
Dibromochloromethane	38.170	5.0	40.00	0	95.4	79	124				
Dibromomethane	49.600	5.0	40.00	0	124	80	120				S
Dichlorodifluoromethane	42.970	5.0	40.00	0	107	64	137				
Ethylbenzene	48.040	5.0	40.00	0	120	79	120				S
Freon-113	41.690	5.0	40.00	0	104	58	141				
Hexachlorobutadiene	44.840	5.0	40.00	0	112	72	126				
Isopropylbenzene	42.250	5.0	40.00	0	106	62	130				
m,p-Xylene	96.850	10	80.00	0	121	80	124				
Methylene chloride	40.950	5.0	40.00	0	102	65	136				
MTBE	34.330	5.0	40.00	0	85.8	65	130				
n-Butylbenzene	46.050	5.0	40.00	0	115	76	133				
n-Propylbenzene	46.770	5.0	40.00	0	117	76	131				
Naphthalene	36.760	5.0	40.00	0	91.9	58	127				
o-Xylene	44.480	5.0	40.00	0	111	75	121				
sec-Butylbenzene	44.060	5.0	40.00	0	110	76	133				
Styrene	42.690	5.0	40.00	0	107	80	120				
tert-Butylbenzene	42.770	5.0	40.00	0	107	73	130				
Tetrachloroethene	46.880	5.0	40.00	0	117	77	124				
Toluene	43.700	5.0	40.00	0	109	79	120				
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129				
Trichloroethene	45.210	5.0	40.00	0	113	80	120				
Trichlorofluoromethane	45.950	5.0	40.00	0	115	66	146				
Vinyl chloride	41.930	5.0	40.00	0	105	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	43.960		50.00		87.9	70	156				
Surr: 4-Bromofluorobenzene	52.900		50.00		106	73	129				
Surr: Dibromofluoromethane	45.780		50.00		91.6	73	146				
Surr: Toluene-d8	50.060		50.00		100	80	120				

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.730	5.0	40.00	0	107	78	127	45.09	5.37	20	
1,1,1-Trichloroethane	40.890	5.0	40.00	0	102	75	128	43.83	6.94	20	
1,1,2,2-Tetrachloroethane	40.950	5.0	40.00	0	102	78	126	42.84	4.51	20	
1,1,2-Trichloroethane	44.990	5.0	40.00	0	112	80	120	44.30	1.55	20	
1,1-Dichloroethane	39.670	5.0	40.00	0	99.2	65	136	41.36	4.17	20	
1,1-Dichloroethene	40.000	5.0	40.00	0	100	66	134	39.29	1.79	20	
1,1-Dichloropropene	45.430	5.0	40.00	0	114	79	128	49.38	8.33	20	
1,2,3-Trichlorobenzene	41.280	5.0	40.00	0	103	80	120	43.58	5.42	20	
1,2,3-Trichloropropane	40.460	5.0	40.00	0	101	79	123	37.07	8.75	20	
1,2,4-Trichlorobenzene	40.990	5.0	40.00	0	102	74	121	40.03	2.37	20	
1,2,4-Trimethylbenzene	44.390	5.0	40.00	0	111	79	128	46.07	3.71	20	
1,2-Dibromo-3-chloropropane	43.790	10	40.00	0	109	65	131	36.18	19.0	20	
1,2-Dibromoethane	41.670	5.0	40.00	0	104	79	124	42.35	1.62	20	
1,2-Dichlorobenzene	40.690	5.0	40.00	0	102	80	120	42.22	3.69	20	
1,2-Dichloroethane	39.610	5.0	40.00	0	99.0	80	120	45.50	13.8	20	
1,2-Dichloropropane	43.640	5.0	40.00	0	109	80	120	42.62	2.36	20	
1,3,5-Trimethylbenzene	43.260	5.0	40.00	0	108	76	129	44.83	3.56	20	
1,3-Dichlorobenzene	42.220	5.0	40.00	0	106	80	120	42.33	0.260	20	
1,3-Dichloropropane	42.670	5.0	40.00	0	107	80	120	42.52	0.352	20	
1,4-Dichlorobenzene	42.440	5.0	40.00	0	106	80	120	43.02	1.36	20	
2,2-Dichloropropane	39.320	5.0	40.00	0	98.3	66	136	40.29	2.44	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	396.740	50	400.0	0	99.2	54	145	402.2	1.36	20	
2-Chlorotoluene	44.320	5.0	40.00	0	111	78	124	47.14	6.17	20	
4-Chlorotoluene	46.100	5.0	40.00	0	115	79	125	47.67	3.35	20	
4-Isopropyltoluene	42.590	5.0	40.00	0	106	75	130	43.32	1.70	20	
Benzene	43.330	5.0	40.00	0	108	80	120	48.21	10.7	20	
Bromobenzene	46.100	5.0	40.00	0	115	80	120	46.16	0.130	20	
Bromodichloromethane	40.390	5.0	40.00	0	101	80	127	44.15	8.90	20	
Bromoform	43.550	5.0	40.00	0	109	67	136	45.57	4.53	20	
Bromomethane	55.500	5.0	40.00	0	139	45	148	64.78	15.4	20	
Carbon tetrachloride	44.060	5.0	40.00	0	110	75	137	48.12	8.81	20	
Chlorobenzene	44.060	5.0	40.00	0	110	80	120	43.72	0.775	20	
Chloroethane	43.520	5.0	40.00	0	109	64	145	46.95	7.58	20	
Chloroform	40.300	5.0	40.00	0	101	75	120	41.01	1.75	20	
Chloromethane	45.940	5.0	40.00	0	115	58	139	48.59	5.61	20	
cis-1,2-Dichloroethene	42.320	5.0	40.00	0	106	76	120	41.49	1.98	20	
cis-1,3-Dichloropropene	40.460	5.0	40.00	0	101	77	128	43.57	7.40	20	
Dibromochloromethane	38.210	5.0	40.00	0	95.5	79	124	38.17	0.105	20	
Dibromomethane	45.130	5.0	40.00	0	113	80	120	49.60	9.44	20	
Dichlorodifluoromethane	36.690	5.0	40.00	0	91.7	64	137	42.97	15.8	20	
Ethylbenzene	44.780	5.0	40.00	0	112	79	120	48.04	7.02	20	
Freon-113	40.930	5.0	40.00	0	102	58	141	41.69	1.84	20	
Hexachlorobutadiene	39.990	5.0	40.00	0	100	72	126	44.84	11.4	20	
Isopropylbenzene	40.270	5.0	40.00	0	101	62	130	42.25	4.80	20	
m,p-Xylene	94.010	10	80.00	0	118	80	124	96.85	2.98	20	
Methylene chloride	42.200	5.0	40.00	0	106	65	136	40.95	3.01	20	
MTBE	36.420	5.0	40.00	0	91.1	65	130	34.33	5.91	20	
n-Butylbenzene	44.900	5.0	40.00	0	112	76	133	46.05	2.53	20	
n-Propylbenzene	45.160	5.0	40.00	0	113	76	131	46.77	3.50	20	
Naphthalene	37.190	5.0	40.00	0	93.0	58	127	36.76	1.16	20	
o-Xylene	43.100	5.0	40.00	0	108	75	121	44.48	3.15	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **LCSS02** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	41.540	5.0	40.00	0	104	76	133	44.06	5.89	20	
Styrene	42.700	5.0	40.00	0	107	80	120	42.69	0.0234	20	
tert-Butylbenzene	42.210	5.0	40.00	0	106	73	130	42.77	1.32	20	
Tetrachloroethene	42.660	5.0	40.00	0	107	77	124	46.88	9.43	20	
Toluene	40.010	5.0	40.00	0	100	79	120	43.70	8.82	20	
trans-1,2-Dichloroethene	41.240	5.0	40.00	0	103	72	129	41.24	0	20	
Trichloroethene	42.280	5.0	40.00	0	106	80	120	45.21	6.70	20	
Trichlorofluoromethane	44.930	5.0	40.00	0	112	66	146	45.95	2.24	20	
Vinyl chloride	42.000	5.0	40.00	0	105	68	141	41.93	0.167	20	
Surr: 1,2-Dichloroethane-d4	46.000		50.00		92.0	70	156		0		
Surr: 4-Bromofluorobenzene	51.220		50.00		102	73	129		0		
Surr: Dibromofluoromethane	47.160		50.00		94.3	73	146		0		
Surr: Toluene-d8	50.810		50.00		102	80	120		0		

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190619-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134612**
Client ID: **PBS** Batch ID: **CA19VS115** TestNo: **EPA 8260B** Analysis Date: **6/19/2019** SeqNo: **3415987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.900	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55.690		50.00		111	70	156				
Surr: 4-Bromofluorobenzene	45.780		50.00		91.6	73	129				
Surr: Dibromofluoromethane	54.360		50.00		109	73	146				
Surr: Toluene-d8	51.120		50.00		102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	41.270	5.0	40.00	0	103	78	127				
1,1,1-Trichloroethane	42.600	5.0	40.00	0	106	75	128				
1,1,2,2-Tetrachloroethane	44.410	5.0	40.00	0	111	78	126				
1,1,2-Trichloroethane	44.190	5.0	40.00	0	110	80	120				
1,1-Dichloroethane	40.160	5.0	40.00	0	100	65	136				
1,1-Dichloroethene	37.870	5.0	40.00	0	94.7	66	134				
1,1-Dichloropropene	45.590	5.0	40.00	0	114	79	128				
1,2,3-Trichlorobenzene	39.010	5.0	40.00	0	97.5	80	120				
1,2,3-Trichloropropane	35.640	5.0	40.00	0	89.1	79	123				
1,2,4-Trichlorobenzene	39.400	5.0	40.00	0	98.5	74	121				
1,2,4-Trimethylbenzene	45.060	5.0	40.00	0	113	79	128				
1,2-Dibromo-3-chloropropane	40.250	10	40.00	0	101	65	131				
1,2-Dibromoethane	41.820	5.0	40.00	0	105	79	124				
1,2-Dichlorobenzene	41.130	5.0	40.00	0	103	80	120				
1,2-Dichloroethane	42.790	5.0	40.00	0	107	80	120				
1,2-Dichloropropane	43.210	5.0	40.00	0	108	80	120				
1,3,5-Trimethylbenzene	44.330	5.0	40.00	0	111	76	129				
1,3-Dichlorobenzene	42.840	5.0	40.00	0	107	80	120				
1,3-Dichloropropane	42.040	5.0	40.00	0	105	80	120				
1,4-Dichlorobenzene	42.880	5.0	40.00	0	107	80	120				
2,2-Dichloropropane	37.100	5.0	40.00	0	92.8	66	136				
2-Butanone	383.210	50	400.0	0	95.8	54	145				
2-Chlorotoluene	45.140	5.0	40.00	0	113	78	124				
4-Chlorotoluene	45.660	5.0	40.00	0	114	79	125				
4-Isopropyltoluene	42.210	5.0	40.00	0	106	75	130				
Benzene	46.900	5.0	40.00	0	117	80	120				
Bromobenzene	44.590	5.0	40.00	0	111	80	120				
Bromodichloromethane	41.340	5.0	40.00	0	103	80	127				
Bromoform	42.500	5.0	40.00	0	106	67	136				
Bromomethane	59.380	5.0	40.00	0	148	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	45.240	5.0	40.00	0	113	75	137				
Chlorobenzene	41.950	5.0	40.00	0	105	80	120				
Chloroethane	48.540	5.0	40.00	0	121	64	145				
Chloroform	42.690	5.0	40.00	0	107	75	120				
Chloromethane	43.750	5.0	40.00	0	109	58	139				
cis-1,2-Dichloroethene	44.090	5.0	40.00	0	110	76	120				
cis-1,3-Dichloropropene	40.010	5.0	40.00	0	100	77	128				
Dibromochloromethane	36.950	5.0	40.00	0	92.4	79	124				
Dibromomethane	46.400	5.0	40.00	0	116	80	120				
Dichlorodifluoromethane	40.620	5.0	40.00	0	102	64	137				
Ethylbenzene	43.360	5.0	40.00	0	108	79	120				
Freon-113	40.210	5.0	40.00	0	101	58	141				
Hexachlorobutadiene	43.040	5.0	40.00	0	108	72	126				
Isopropylbenzene	41.540	5.0	40.00	0	104	62	130				
m,p-Xylene	90.360	10	80.00	0	113	80	124				
Methylene chloride	41.580	5.0	40.00	0	104	65	136				
MTBE	35.500	5.0	40.00	0	88.8	65	130				
n-Butylbenzene	44.250	5.0	40.00	0	111	76	133				
n-Propylbenzene	46.840	5.0	40.00	0	117	76	131				
Naphthalene	36.300	5.0	40.00	0	90.8	58	127				
o-Xylene	42.720	5.0	40.00	0	107	75	121				
sec-Butylbenzene	41.160	5.0	40.00	0	103	76	133				
Styrene	40.550	5.0	40.00	0	101	80	120				
tert-Butylbenzene	41.570	5.0	40.00	0	104	73	130				
Tetrachloroethene	41.990	5.0	40.00	0	105	77	124				
Toluene	40.430	5.0	40.00	0	101	79	120				
trans-1,2-Dichloroethene	41.440	5.0	40.00	0	104	72	129				
Trichloroethene	45.220	5.0	40.00	0	113	80	120				
Trichlorofluoromethane	45.320	5.0	40.00	0	113	66	146				
Vinyl chloride	44.260	5.0	40.00	0	111	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	48.380		50.00		96.8	70	156				
Surr: 4-Bromofluorobenzene	50.610		50.00		101	73	129				
Surr: Dibromofluoromethane	47.260		50.00		94.5	73	146				
Surr: Toluene-d8	49.930		50.00		99.9	80	120				

Sample ID: **CA190620-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS02** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.330	5.0	40.00	0	113	78	127	41.27	9.38	20	
1,1,1-Trichloroethane	43.910	5.0	40.00	0	110	75	128	42.60	3.03	20	
1,1,2,2-Tetrachloroethane	46.630	5.0	40.00	0	117	78	126	44.41	4.88	20	
1,1,2-Trichloroethane	42.760	5.0	40.00	0	107	80	120	44.19	3.29	20	
1,1-Dichloroethane	41.610	5.0	40.00	0	104	65	136	40.16	3.55	20	
1,1-Dichloroethene	45.930	5.0	40.00	0	115	66	134	37.87	19.2	20	
1,1-Dichloropropene	47.680	5.0	40.00	0	119	79	128	45.59	4.48	20	
1,2,3-Trichlorobenzene	42.710	5.0	40.00	0	107	80	120	39.01	9.06	20	
1,2,3-Trichloropropane	37.660	5.0	40.00	0	94.2	79	123	35.64	5.51	20	
1,2,4-Trichlorobenzene	42.690	5.0	40.00	0	107	74	121	39.40	8.02	20	
1,2,4-Trimethylbenzene	46.950	5.0	40.00	0	117	79	128	45.06	4.11	20	
1,2-Dibromo-3-chloropropane	41.000	10	40.00	0	103	65	131	40.25	1.85	20	
1,2-Dibromoethane	39.690	5.0	40.00	0	99.2	79	124	41.82	5.23	20	
1,2-Dichlorobenzene	41.060	5.0	40.00	0	103	80	120	41.13	0.170	20	
1,2-Dichloroethane	43.540	5.0	40.00	0	109	80	120	42.79	1.74	20	
1,2-Dichloropropane	46.980	5.0	40.00	0	117	80	120	43.21	8.36	20	
1,3,5-Trimethylbenzene	44.400	5.0	40.00	0	111	76	129	44.33	0.158	20	
1,3-Dichlorobenzene	43.430	5.0	40.00	0	109	80	120	42.84	1.37	20	
1,3-Dichloropropane	43.170	5.0	40.00	0	108	80	120	42.04	2.65	20	
1,4-Dichlorobenzene	42.250	5.0	40.00	0	106	80	120	42.88	1.48	20	
2,2-Dichloropropane	40.430	5.0	40.00	0	101	66	136	37.10	8.59	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS02** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	403.930	50	400.0	0	101	54	145	383.2	5.26	20	
2-Chlorotoluene	47.180	5.0	40.00	0	118	78	124	45.14	4.42	20	
4-Chlorotoluene	48.070	5.0	40.00	0	120	79	125	45.66	5.14	20	
4-Isopropyltoluene	43.990	5.0	40.00	0	110	75	130	42.21	4.13	20	
Benzene	47.870	5.0	40.00	0	120	80	120	46.90	2.05	20	
Bromobenzene	46.540	5.0	40.00	0	116	80	120	44.59	4.28	20	
Bromodichloromethane	45.560	5.0	40.00	0	114	80	127	41.34	9.71	20	
Bromoform	44.860	5.0	40.00	0	112	67	136	42.50	5.40	20	
Bromomethane	63.940	5.0	40.00	0	160	45	148	59.38	7.40	20	S
Carbon tetrachloride	46.470	5.0	40.00	0	116	75	137	45.24	2.68	20	
Chlorobenzene	44.210	5.0	40.00	0	111	80	120	41.95	5.25	20	
Chloroethane	42.900	5.0	40.00	0	107	64	145	48.54	12.3	20	
Chloroform	43.740	5.0	40.00	0	109	75	120	42.69	2.43	20	
Chloromethane	50.380	5.0	40.00	0	126	58	139	43.75	14.1	20	
cis-1,2-Dichloroethene	46.490	5.0	40.00	0	116	76	120	44.09	5.30	20	
cis-1,3-Dichloropropene	41.190	5.0	40.00	0	103	77	128	40.01	2.91	20	
Dibromochloromethane	39.500	5.0	40.00	0	98.8	79	124	36.95	6.67	20	
Dibromomethane	46.690	5.0	40.00	0	117	80	120	46.40	0.623	20	
Dichlorodifluoromethane	44.020	5.0	40.00	0	110	64	137	40.62	8.03	20	
Ethylbenzene	46.150	5.0	40.00	0	115	79	120	43.36	6.23	20	
Freon-113	42.590	5.0	40.00	0	106	58	141	40.21	5.75	20	
Hexachlorobutadiene	43.010	5.0	40.00	0	108	72	126	43.04	0.0697	20	
Isopropylbenzene	41.510	5.0	40.00	0	104	62	130	41.54	0.0722	20	
m,p-Xylene	93.450	10	80.00	0	117	80	124	90.36	3.36	20	
Methylene chloride	46.650	5.0	40.00	0	117	65	136	41.58	11.5	20	
MTBE	38.680	5.0	40.00	0	96.7	65	130	35.50	8.57	20	
n-Butylbenzene	44.830	5.0	40.00	0	112	76	133	44.25	1.30	20	
n-Propylbenzene	45.750	5.0	40.00	0	114	76	131	46.84	2.35	20	
Naphthalene	38.540	5.0	40.00	0	96.4	58	127	36.30	5.99	20	
o-Xylene	43.570	5.0	40.00	0	109	75	121	42.72	1.97	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS02** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	43.950	5.0	40.00	0	110	76	133	41.16	6.56	20	
Styrene	42.800	5.0	40.00	0	107	80	120	40.55	5.40	20	
tert-Butylbenzene	44.200	5.0	40.00	0	110	73	130	41.57	6.13	20	
Tetrachloroethene	43.510	5.0	40.00	0	109	77	124	41.99	3.56	20	
Toluene	43.040	5.0	40.00	0	108	79	120	40.43	6.25	20	
trans-1,2-Dichloroethene	44.770	5.0	40.00	0	112	72	129	41.44	7.73	20	
Trichloroethene	42.590	5.0	40.00	0	106	80	120	45.22	5.99	20	
Trichlorofluoromethane	46.190	5.0	40.00	0	115	66	146	45.32	1.90	20	
Vinyl chloride	45.260	5.0	40.00	0	113	68	141	44.26	2.23	20	
Surr: 1,2-Dichloroethane-d4	50.270		50.00		101	70	156		0		
Surr: 4-Bromofluorobenzene	48.480		50.00		97.0	73	129		0		
Surr: Dibromofluoromethane	52.850		50.00		106	73	146		0		
Surr: Toluene-d8	52.790		50.00		106	80	120		0		

Sample ID: **CA190620-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **PBS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **PBS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **PBS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.460	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	54.160		50.00		108	70	156				
Surr: 4-Bromofluorobenzene	48.310		50.00		96.6	73	129				
Surr: Dibromofluoromethane	56.000		50.00		112	73	146				
Surr: Toluene-d8	51.450		50.00		103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	44.830	5.0	40.00	0	112	78	127				
1,1,1-Trichloroethane	47.970	5.0	40.00	0	120	75	128				
1,1,2,2-Tetrachloroethane	48.540	5.0	40.00	0	121	78	126				
1,1,2-Trichloroethane	47.070	5.0	40.00	0	118	80	120				
1,1-Dichloroethane	45.760	5.0	40.00	0	114	65	136				
1,1-Dichloroethene	41.530	5.0	40.00	0	104	66	134				
1,1-Dichloropropene	44.860	5.0	40.00	0	112	79	128				
1,2,3-Trichlorobenzene	42.660	5.0	40.00	0	107	80	120				
1,2,3-Trichloropropane	39.640	5.0	40.00	0	99.1	79	123				
1,2,4-Trichlorobenzene	43.540	5.0	40.00	0	109	74	121				
1,2,4-Trimethylbenzene	45.950	5.0	40.00	0	115	79	128				
1,2-Dibromo-3-chloropropane	41.680	10	40.00	0	104	65	131				
1,2-Dibromoethane	43.950	5.0	40.00	0	110	79	124				
1,2-Dichlorobenzene	43.770	5.0	40.00	0	109	80	120				
1,2-Dichloroethane	43.310	5.0	40.00	0	108	80	120				
1,2-Dichloropropane	44.660	5.0	40.00	0	112	80	120				
1,3,5-Trimethylbenzene	45.500	5.0	40.00	0	114	76	129				
1,3-Dichlorobenzene	44.790	5.0	40.00	0	112	80	120				
1,3-Dichloropropane	42.950	5.0	40.00	0	107	80	120				
1,4-Dichlorobenzene	43.260	5.0	40.00	0	108	80	120				
2,2-Dichloropropane	42.500	5.0	40.00	0	106	66	136				
2-Butanone	431.820	50	400.0	0	108	54	145				
2-Chlorotoluene	48.390	5.0	40.00	0	121	78	124				
4-Chlorotoluene	47.820	5.0	40.00	0	120	79	125				
4-Isopropyltoluene	44.420	5.0	40.00	0	111	75	130				
Benzene	46.290	5.0	40.00	0	116	80	120				
Bromobenzene	50.390	5.0	40.00	0	126	80	120				S
Bromodichloromethane	41.430	5.0	40.00	0	104	80	127				
Bromoform	48.910	5.0	40.00	0	122	67	136				
Bromomethane	65.090	5.0	40.00	0	163	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	47.980	5.0	40.00	0	120	75	137				
Chlorobenzene	45.680	5.0	40.00	0	114	80	120				
Chloroethane	45.280	5.0	40.00	0	113	64	145				
Chloroform	44.770	5.0	40.00	0	112	75	120				
Chloromethane	48.490	5.0	40.00	0	121	58	139				
cis-1,2-Dichloroethene	46.530	5.0	40.00	0	116	76	120				
cis-1,3-Dichloropropene	42.600	5.0	40.00	0	106	77	128				
Dibromochloromethane	38.780	5.0	40.00	0	97.0	79	124				
Dibromomethane	47.900	5.0	40.00	0	120	80	120				
Dichlorodifluoromethane	41.630	5.0	40.00	0	104	64	137				
Ethylbenzene	46.710	5.0	40.00	0	117	79	120				
Freon-113	42.870	5.0	40.00	0	107	58	141				
Hexachlorobutadiene	45.330	5.0	40.00	0	113	72	126				
Isopropylbenzene	42.390	5.0	40.00	0	106	62	130				
m,p-Xylene	97.210	10	80.00	0	122	80	124				
Methylene chloride	46.000	5.0	40.00	0	115	65	136				
MTBE	39.860	5.0	40.00	0	99.7	65	130				
n-Butylbenzene	47.370	5.0	40.00	0	118	76	133				
n-Propylbenzene	46.840	5.0	40.00	0	117	76	131				
Naphthalene	38.300	5.0	40.00	0	95.8	58	127				
o-Xylene	44.350	5.0	40.00	0	111	75	121				
sec-Butylbenzene	43.670	5.0	40.00	0	109	76	133				
Styrene	43.830	5.0	40.00	0	110	80	120				
tert-Butylbenzene	42.470	5.0	40.00	0	106	73	130				
Tetrachloroethene	45.770	5.0	40.00	0	114	77	124				
Toluene	42.780	5.0	40.00	0	107	79	120				
trans-1,2-Dichloroethene	43.260	5.0	40.00	0	108	72	129				
Trichloroethene	44.900	5.0	40.00	0	112	80	120				
Trichlorofluoromethane	49.160	5.0	40.00	0	123	66	146				
Vinyl chloride	46.060	5.0	40.00	0	115	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.670		50.00		95.3	70	156				
Surr: 4-Bromofluorobenzene	52.230		50.00		104	73	129				
Surr: Dibromofluoromethane	51.290		50.00		103	73	146				
Surr: Toluene-d8	51.830		50.00		104	80	120				

Sample ID: **CA190621-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS02** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.270	5.0	40.00	0	106	78	127	44.83	5.88	20	
1,1,1-Trichloroethane	48.300	5.0	40.00	0	121	75	128	47.97	0.686	20	
1,1,2,2-Tetrachloroethane	43.770	5.0	40.00	0	109	78	126	48.54	10.3	20	
1,1,2-Trichloroethane	44.830	5.0	40.00	0	112	80	120	47.07	4.87	20	
1,1-Dichloroethane	41.730	5.0	40.00	0	104	65	136	45.76	9.21	20	
1,1-Dichloroethene	41.530	5.0	40.00	0	104	66	134	41.53	0	20	
1,1-Dichloropropene	48.150	5.0	40.00	0	120	79	128	44.86	7.07	20	
1,2,3-Trichlorobenzene	42.150	5.0	40.00	0	105	80	120	42.66	1.20	20	
1,2,3-Trichloropropane	39.390	5.0	40.00	0	98.5	79	123	39.64	0.633	20	
1,2,4-Trichlorobenzene	43.160	5.0	40.00	0	108	74	121	43.54	0.877	20	
1,2,4-Trimethylbenzene	46.480	5.0	40.00	0	116	79	128	45.95	1.15	20	
1,2-Dibromo-3-chloropropane	44.800	10	40.00	0	112	65	131	41.68	7.22	20	
1,2-Dibromoethane	41.130	5.0	40.00	0	103	79	124	43.95	6.63	20	
1,2-Dichlorobenzene	41.770	5.0	40.00	0	104	80	120	43.77	4.68	20	
1,2-Dichloroethane	43.780	5.0	40.00	0	109	80	120	43.31	1.08	20	
1,2-Dichloropropane	43.570	5.0	40.00	0	109	80	120	44.66	2.47	20	
1,3,5-Trimethylbenzene	45.510	5.0	40.00	0	114	76	129	45.50	0.0220	20	
1,3-Dichlorobenzene	43.630	5.0	40.00	0	109	80	120	44.79	2.62	20	
1,3-Dichloropropane	43.050	5.0	40.00	0	108	80	120	42.95	0.233	20	
1,4-Dichlorobenzene	41.600	5.0	40.00	0	104	80	120	43.26	3.91	20	
2,2-Dichloropropane	41.300	5.0	40.00	0	103	66	136	42.50	2.86	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS02** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	399.500	50	400.0	0	99.9	54	145	431.8	7.78	20	
2-Chlorotoluene	47.780	5.0	40.00	0	119	78	124	48.39	1.27	20	
4-Chlorotoluene	46.870	5.0	40.00	0	117	79	125	47.82	2.01	20	
4-Isopropyltoluene	44.060	5.0	40.00	0	110	75	130	44.42	0.814	20	
Benzene	45.940	5.0	40.00	0	115	80	120	46.29	0.759	20	
Bromobenzene	46.390	5.0	40.00	0	116	80	120	50.39	8.27	20	
Bromodichloromethane	41.870	5.0	40.00	0	105	80	127	41.43	1.06	20	
Bromoform	45.570	5.0	40.00	0	114	67	136	48.91	7.07	20	
Bromomethane	65.390	5.0	40.00	0	163	45	148	65.09	0.460	20	S
Carbon tetrachloride	46.010	5.0	40.00	0	115	75	137	47.98	4.19	20	
Chlorobenzene	42.710	5.0	40.00	0	107	80	120	45.68	6.72	20	
Chloroethane	49.810	5.0	40.00	0	125	64	145	45.28	9.53	20	
Chloroform	44.280	5.0	40.00	0	111	75	120	44.77	1.10	20	
Chloromethane	48.020	5.0	40.00	0	120	58	139	48.49	0.974	20	
cis-1,2-Dichloroethene	44.670	5.0	40.00	0	112	76	120	46.53	4.08	20	
cis-1,3-Dichloropropene	41.460	5.0	40.00	0	104	77	128	42.60	2.71	20	
Dibromochloromethane	39.430	5.0	40.00	0	98.6	79	124	38.78	1.66	20	
Dibromomethane	47.350	5.0	40.00	0	118	80	120	47.90	1.15	20	
Dichlorodifluoromethane	42.250	5.0	40.00	0	106	64	137	41.63	1.48	20	
Ethylbenzene	46.130	5.0	40.00	0	115	79	120	46.71	1.25	20	
Freon-113	44.870	5.0	40.00	0	112	58	141	42.87	4.56	20	
Hexachlorobutadiene	42.450	5.0	40.00	0	106	72	126	45.33	6.56	20	
Isopropylbenzene	41.380	5.0	40.00	0	103	62	130	42.39	2.41	20	
m,p-Xylene	97.030	10	80.00	0	121	80	124	97.21	0.185	20	
Methylene chloride	44.670	5.0	40.00	0	112	65	136	46.00	2.93	20	
MTBE	38.670	5.0	40.00	0	96.7	65	130	39.86	3.03	20	
n-Butylbenzene	46.140	5.0	40.00	0	115	76	133	47.37	2.63	20	
n-Propylbenzene	46.140	5.0	40.00	0	115	76	131	46.84	1.51	20	
Naphthalene	38.460	5.0	40.00	0	96.2	58	127	38.30	0.417	20	
o-Xylene	43.980	5.0	40.00	0	110	75	121	44.35	0.838	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS02** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	43.310	5.0	40.00	0	108	76	133	43.67	0.828	20	
Styrene	42.590	5.0	40.00	0	106	80	120	43.83	2.87	20	
tert-Butylbenzene	41.980	5.0	40.00	0	105	73	130	42.47	1.16	20	
Tetrachloroethene	46.050	5.0	40.00	0	115	77	124	45.77	0.610	20	
Toluene	39.750	5.0	40.00	0	99.4	79	120	42.78	7.34	20	
trans-1,2-Dichloroethene	42.070	5.0	40.00	0	105	72	129	43.26	2.79	20	
Trichloroethene	42.710	5.0	40.00	0	107	80	120	44.90	5.00	20	
Trichlorofluoromethane	45.040	5.0	40.00	0	113	66	146	49.16	8.75	20	
Vinyl chloride	44.690	5.0	40.00	0	112	68	141	46.06	3.02	20	
Surr: 1,2-Dichloroethane-d4	47.460		50.00		94.9	70	156		0		
Surr: 4-Bromofluorobenzene	50.560		50.00		101	73	129		0		
Surr: Dibromofluoromethane	48.190		50.00		96.4	73	146		0		
Surr: Toluene-d8	52.470		50.00		105	80	120		0		

Sample ID: **CA190621-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **PBS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **PBS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **PBS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.930		50.00		99.9	70	156				
Surr: 4-Bromofluorobenzene	45.400		50.00		90.8	73	129				
Surr: Dibromofluoromethane	53.060		50.00		106	73	146				
Surr: Toluene-d8	54.690		50.00		109	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **LCS-74270** SampType: **LCS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **LCSS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415384**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	47.000	5.0	50.00	0	94.0	27	102				
2-Methylnaphthalene	35.000	5.0	50.00	0	70.0	34	105				
Acenaphthene	51.000	5.0	50.00	0	102	33	105				
Acenaphthylene	52.000	5.0	50.00	0	104	30	113				
Anthracene	46.500	5.0	50.00	0	93.0	35	106				
Benzo(a)anthracene	44.500	5.0	50.00	0	89.0	46	123				
Benzo(a)pyrene	32.500	5.0	50.00	0	65.0	45	112				
Benzo(b)fluoranthene	35.500	5.0	50.00	0	71.0	45	124				
Benzo(g,h,i)perylene	32.000	5.0	50.00	0	64.0	42	122				
Benzo(k)fluoranthene	32.500	5.0	50.00	0	65.0	42	128				
Chrysene	45.000	5.0	50.00	0	90.0	41	117				
Dibenz(a,h)anthracene	34.500	5.0	50.00	0	69.0	44	129				
Fluoranthene	45.500	5.0	50.00	0	91.0	41	120				
Fluorene	49.500	5.0	50.00	0	99.0	35	108				
Indeno(1,2,3-cd)pyrene	34.000	5.0	50.00	0	68.0	44	128				
Naphthalene	39.500	5.0	50.00	0	79.0	30	103				
Phenanthrene	46.000	5.0	50.00	0	92.0	36	109				
Pyrene	47.500	5.0	50.00	0	95.0	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.500		50.00		73.0	26	102				
Surr: 2-Fluorobiphenyl	46.000		50.00		92.0	27	106				
Surr: 4-Terphenyl-d14	38.000		50.00		76.0	35	123				
Surr: Nitrobenzene-d5	40.500		50.00		81.0	30	104				

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	5.0									
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **MB-74270** SampType: **MBLK** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134597**
Client ID: **PBS** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3415401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	37.500		50.00		75.0	26	102				
Surr: 2-Fluorobiphenyl	50.000		50.00		100	27	106				
Surr: 4-Terphenyl-d14	41.500		50.00		83.0	35	123				
Surr: Nitrobenzene-d5	41.000		50.00		82.0	30	104				

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	199.599	5.0	200.6	0	99.5	27	102				
2-Methylnaphthalene	134.905	5.0	200.6	0	67.2	34	105				
Acenaphthene	215.647	5.0	200.6	0	108	33	105				S
Acenaphthylene	231.695	5.0	200.6	1.002	115	30	113				S
Anthracene	185.055	5.0	200.6	0	92.2	35	106				
Benzo(a)anthracene	175.527	5.0	200.6	3.006	86.0	46	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MS** SampType: **MS** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	134.403	5.0	200.6	3.006	65.5	45	112				
Benzo(b)fluoranthene	142.929	5.0	200.6	5.511	68.5	45	124				
Benzo(g,h,i)perylene	72.718	5.0	200.6	2.505	35.0	42	122				S
Benzo(k)fluoranthene	143.430	5.0	200.6	1.503	70.8	42	128				
Chrysene	172.016	5.0	200.6	5.511	83.0	41	117				
Dibenz(a,h)anthracene	97.292	5.0	200.6	0	48.5	44	129				
Fluoranthene	195.587	5.0	200.6	4.509	95.3	41	120				
Fluorene	211.635	5.0	200.6	0	106	35	108				
Indeno(1,2,3-cd)pyrene	91.274	5.0	200.6	1.503	44.8	44	128				
Naphthalene	149.448	5.0	200.6	0	74.5	30	103				
Phenanthrene	187.061	5.0	200.6	1.503	92.5	36	109				
Pyrene	199.097	5.0	200.6	7.014	95.8	42	123				
Surr: 1,2-Dichlorobenzene-d4	36.108		50.15		72.0	26	102				
Surr: 2-Fluorobiphenyl	50.652		50.15		101	27	106				
Surr: 4-Terphenyl-d14	40.622		50.15		81.0	35	123				
Surr: Nitrobenzene-d5	40.622		50.15		81.0	30	104				

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	213.246	5.0	200.7	0	106	27	102	199.6	6.61	20	S
2-Methylnaphthalene	142.499	5.0	200.7	0	71.0	34	105	134.9	5.48	20	
Acenaphthene	229.303	5.0	200.7	0	114	33	105	215.6	6.14	20	S
Acenaphthylene	246.362	5.0	200.7	1.002	122	30	113	231.7	6.14	20	S
Anthracene	198.695	5.0	200.7	0	99.0	35	106	185.1	7.11	20	
Benzo(a)anthracene	188.660	5.0	200.7	3.006	92.5	46	123	175.5	7.21	20	
Benzo(a)pyrene	143.502	5.0	200.7	3.006	70.0	45	112	134.4	6.55	20	
Benzo(b)fluoranthene	155.544	5.0	200.7	5.511	74.8	45	124	142.9	8.45	20	
Benzo(g,h,i)perylene	65.730	5.0	200.7	2.505	31.5	42	122	72.72	10.1	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036036
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOILSIM_M

Sample ID: **N036033-001A-MSD** SampType: **MSD** TestCode: **8270SOILSIM** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134645**
Client ID: **ZZZZZZ** Batch ID: **74270** TestNo: **EPA 8270CSI EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	158.555	5.0	200.7	1.503	78.3	42	128	143.4	10.0	20	
Chrysene	185.148	5.0	200.7	5.511	89.5	41	117	172.0	7.35	20	
Dibenz(a,h)anthracene	92.825	5.0	200.7	0	46.3	44	129	97.29	4.70	20	
Fluoranthene	203.211	5.0	200.7	4.509	99.0	41	120	195.6	3.82	20	
Fluorene	226.292	5.0	200.7	0	113	35	108	211.6	6.69	20	S
Indeno(1,2,3-cd)pyrene	86.804	5.0	200.7	1.503	42.5	44	128	91.27	5.02	20	S
Naphthalene	156.046	5.0	200.7	0	77.8	30	103	149.4	4.32	20	
Phenanthrene	194.681	5.0	200.7	1.503	96.3	36	109	187.1	3.99	20	
Pyrene	212.745	5.0	200.7	7.014	103	42	123	199.1	6.63	20	
Surr: 1,2-Dichlorobenzene-d4	37.632		50.18		75.0	26	102		0		
Surr: 2-Fluorobiphenyl	53.186		50.18		106	27	106		0		S
Surr: 4-Terphenyl-d14	43.653		50.18		87.0	35	123		0		
Surr: Nitrobenzene-d5	42.649		50.18		85.0	30	104		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B4@1.0	6/12/19	1035	6	Soil			X	X	X			X				N036036-01
B4@5 (12)		1048					X	X	X			X				-02
B4@9 (12)		1105														ON HOLD -03
B5@1.0		1335					X	X	X			X				-04
B5@5 (D)		1340					X	X	X			X				-05
B5@10		1400														ON HOLD -06
B5@15		1405														ON HOLD -07
B17@0.5		0850			X	X		X								-08
B17@1.5		0854			(D)	(D)										ON HOLD -09
B17@3.0		0858			(D)	(D)										ON HOLD -10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/13/19	1145	Karla Sevilla	6/13/19	1145
Karla Sevilla	6/13/19	1700	MARIANNE SANTOS	6/13/19	1700
MARIANNE SANTOS	6/13/19	1700	Rodriguez	6/14/19	8:15am

SPECIAL INSTRUCTIONS:
1.9°C JAR # 2
GSO #: 4481

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B6@0.5	6/12/18	1525	6	Soil	X	X		X		JD		X				N036036-11
B6@1.5		1530														ON HOLD -12
B6@3.0		1535														ON HOLD -13
B7@0.5		1550			X	X		X		JD		X				-14
B7@1.5		1555														ON HOLD -15
B7@3.0		1600														ON HOLD -16
B8@0.5		1615			X	X		X			X	X				-17
B8@1.5		1620														ON HOLD -18
B8@3.0		1625														ON HOLD -19

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/13/19	1145	Ari Karla Sevilla	6/13/19	1145
Ari Karla Sevilla	6/13/19	1700	MARIANNE SANTOS	6/13/19	1700
MARIANNE SANTOS	6/13/19	1730	Marianne Reguez	6/14/19	8:15a

SPECIAL INSTRUCTIONS:
1.9°C IN #2
GSO#: 4881

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	3/13/2019	Workorder:	N036036
Rep sample Temp (Deg C):	1.9	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	4881	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For: YRJ

Checklist Completed By: YR 6/17/2019

Reviewed By: MBC 6/18/2019

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-001A	B4@1.0	6/12/2019 10:35:00 AM	6/20/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036036-001C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-001D							☐	☐	☐	V-CA
N036036-001E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-001F							☐	☐	☐	VS
N036036-001G							☐	☐	☐	V-CA
N036036-002A	B4@5	6/12/2019 10:48:00 AM	6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-002A	B4@5	6/12/2019 10:48:00 AM	6/20/2019	Soil	EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-002B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036036-002C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-002D							☐	☐	☐	V-CA
N036036-002E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-002F							☐	☐	☐	VS
N036036-002G							☐	☐	☐	V-CA
N036036-003A	B4@9	6/12/2019 11:05:00 AM					☐	☐	☐	WS
N036036-003B							☐	☐	☐	V-CA
N036036-003C							☐	☐	☐	V-CA
N036036-003D							☐	☐	☐	VS
N036036-003E							☐	☐	☐	VS
N036036-003F							☐	☐	☐	V-CA
N036036-004A	B5@1.0	6/12/2019 1:35:00 PM	6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-004A	B5@1.0	6/12/2019 1:35:00 PM	6/20/2019	Soil	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-004B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036036-004C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-004D							☐	☐	☐	V-CA
N036036-004E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-004F							☐	☐	☐	VS
N036036-004G							☐	☐	☐	V-CA
N036036-005A	B5@5	6/12/2019 1:48:00 PM	6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019			MERCURY PREP	☐	☐	☐	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-005B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-005B	B5@5	6/12/2019 1:48:00 PM	6/20/2019	Soil	EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036036-005C			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-005D							☐	☐	☐	V-CA
N036036-005E			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-005F							☐	☐	☐	VS
N036036-005G							☐	☐	☐	V-CA
N036036-006A	B5@10	6/12/2019 2:00:00 PM					☐	☐	☐	WS
N036036-006B							☐	☐	☐	V-CA
N036036-006C							☐	☐	☐	V-CA
N036036-006D							☐	☐	☐	VS
N036036-006E							☐	☐	☐	VS
N036036-006F							☐	☐	☐	V-CA
N036036-007A	B5@15	6/12/2019 2:05:00 PM					☐	☐	☐	WS
N036036-007B							☐	☐	☐	V-CA
N036036-007C							☐	☐	☐	V-CA
N036036-007D							☐	☐	☐	VS
N036036-007E							☐	☐	☐	VS
N036036-007F							☐	☐	☐	V-CA
N036036-008A	B17@0.5	6/12/2019 8:50:00 AM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-008A	B17@0.5	6/12/2019 8:50:00 AM	6/20/2019	Soil	EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-008B							☐	☐	☐	V-CA
N036036-008C							☐	☐	☐	V-CA
N036036-008D			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-008E							☐	☐	☐	VS
N036036-008F							☐	☐	☐	V-CA
N036036-009A	B17@1.5	6/12/2019 8:54:00 AM					☐	☐	☐	WS
N036036-009B							☐	☐	☐	V-CA
N036036-009C							☐	☐	☐	V-CA
N036036-009D							☐	☐	☐	VS
N036036-009E							☐	☐	☐	VS
N036036-009F							☐	☐	☐	V-CA
N036036-010A	B17@3.0	6/12/2019 8:58:00 AM					☐	☐	☐	WS
N036036-010B							☐	☐	☐	V-CA
N036036-010C							☐	☐	☐	V-CA
N036036-010D							☐	☐	☐	VS
N036036-010E							☐	☐	☐	VS
N036036-010F							☐	☐	☐	V-CA

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-011A	B6@0.5	6/12/2019 3:25:00 PM	6/20/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-011B			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-011C							☐	☐	☐	V-CA
N036036-011D			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-011E							☐	☐	☐	VS
N036036-011F							☐	☐	☐	V-CA
N036036-012A	B6@1.5	6/12/2019 3:30:00 PM					☐	☐	☐	WS
N036036-012B							☐	☐	☐	V-CA
N036036-012C							☐	☐	☐	V-CA
N036036-012D							☐	☐	☐	VS
N036036-012E							☐	☐	☐	VS
N036036-012F							☐	☐	☐	V-CA
N036036-013A	B6@3.0	6/12/2019 3:35:00 PM					☐	☐	☐	WS
N036036-013B							☐	☐	☐	V-CA
N036036-013C							☐	☐	☐	V-CA
N036036-013D							☐	☐	☐	VS

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-013E	B6@3.0	6/12/2019 3:35:00 PM		Soil			☐	☐	☐	VS
N036036-013F							☐	☐	☐	V-CA
N036036-014A	B7@0.5	6/12/2019 3:50:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-014B			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-014C							☐	☐	☐	V-CA
N036036-014D			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-014E							☐	☐	☐	VS
N036036-014F							☐	☐	☐	V-CA
N036036-015A	B7@1.5	6/12/2019 3:55:00 PM					☐	☐	☐	WS
N036036-015B							☐	☐	☐	V-CA
N036036-015C							☐	☐	☐	V-CA
N036036-015D							☐	☐	☐	VS
N036036-015E							☐	☐	☐	VS
N036036-015F							☐	☐	☐	V-CA
N036036-016A	B7@3.0	6/12/2019 4:00:00 PM					☐	☐	☐	WS
N036036-016B							☐	☐	☐	V-CA

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-016C	B7@3.0	6/12/2019 4:00:00 PM		Soil			☐	☐	☐	V-CA
N036036-016D							☐	☐	☐	VS
N036036-016E							☐	☐	☐	VS
N036036-016F							☐	☐	☐	V-CA
N036036-017A	B8@0.5	6/12/2019 4:15:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/20/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/20/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036036-017B			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036036-017C							☐	☐	☐	V-CA
N036036-017D			6/20/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036036-017E							☐	☐	☐	VS
N036036-017F							☐	☐	☐	V-CA
N036036-018A	B8@1.5	6/12/2019 4:20:00 PM					☐	☐	☐	WS
N036036-018B							☐	☐	☐	V-CA
N036036-018C							☐	☐	☐	V-CA
N036036-018D							☐	☐	☐	VS

ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N036036

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/13/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036036-018E	B8@1.5	6/12/2019 4:20:00 PM		Soil			☐	☐	☐	VS
N036036-018F							☐	☐	☐	V-CA
N036036-019A	B8@3.0	6/12/2019 4:25:00 PM					☐	☐	☐	WS
N036036-019B							☐	☐	☐	V-CA
N036036-019C							☐	☐	☐	V-CA
N036036-019D							☐	☐	☐	VS
N036036-019E							☐	☐	☐	VS
N036036-019F							☐	☐	☐	V-CA
N036036-020A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	☐	☐	☐	LAB
			6/20/2019		Folder	Folder	☐	☐	☐	LAB

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client:	ASSET Laboratories
Address:	11110 Artesia Blvd Ste B
Address:	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Submitted By:	Marianne Santos
Title:	
Signature:	
Date:	

I hereby authorize ASSET Labs to perform the tests indicated below:

Project Name: PEA-E: Abraham Lincoln High School
Project Number: 12-020-07

Report to:	Marianne Santos
Company:	ASSET Laboratories
Email:	marianne@assetlaboratories.com reports@assetlaboratories.com
Address:	11110 Artesia Blvd Ste B
	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Sampled by:	Signed

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Bill to:	Elvira Allegaert/Accounts Payable
Address:	11110 Artesia Blvd Ste B
	Cerritos, CA 90703
Email to:	elvira@assetlaboratories.com
PO#	N36036A
Phone:	562.219.7435
Fax:	562.219.7436

EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:
Global ID:

QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐
Specify State:

Sample Receipt Condition: 1. Chilled Y ☐ N ☐; 2. Headspace Y ☐ N ☐; 3. Container Intact Y ☐ N ☐; 4. Seal Present Y ☐ N ☐; 5. IR number; 6. Method of Cooling; Sample Temp:

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: CAM 17 (except Mercury)

Courier:
Tracking No.

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except Mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		B4 @ 1.0	6/12/19	1035		X		X	TT	1	C		
2		B4 @ 5	↓	1048		↓		↓	↓	↓	↓		
3		B5 @ 1.0	↓	1335		↓		↓	↓	↓	↓		
4		B5 @ 5	↓	1340		↓		↓	↓	↓	↓		
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417

Turn Around Time (TAT):
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Preservatives: H = HCl; N = HNO3; S = H2SO4; C = 4°C; Z = Zn(AC)2; O = NaOH; T = Na2S2O3; Others/Specify:

Container Type: T = Tube; V = VOA; P = Pint; J = Jar; B = Tedlar; G = Glass; M = Metal; P = Plastic; C = Can

Terms
All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
Regular TAT is 5-7 business days. surcharges will apply for rush analysis
Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
Custom EDD formats will be an additional 3% of the total project price.
Add 10% Surcharge for Level III Data Packages, 35% for Level IV Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

White = Laboratory Copy
Yellow = Customer's Copy

GSO GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545154881

CPS

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

C89102A

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

4216139

LVS NV891-C51

Print Date: 6/13/2019 6:06 PM

Package 2 of 3

LABEL INSTRUCTIONS:

IR# 1.9

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Number of Pages 4
Date Received 06/14/2019
Date Reported 06/24/2019

Telephone: (702)307-2659
Attention: Marianne Santos

Job Number	Order Date	Client
98586	06/14/2019	ASSET

Project ID: 12-020-07
Project Name: PO# 36036A
Site: PEA-E: Abraham Lincoln HS

Enclosed please find results of analyses of 4 solid samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

98586

Page 1 of 1

Contact us:
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P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client:	ASSET Laboratories
Address:	11110 Artesia Blvd Ste B
Address:	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Submitted By:	Marianne Santos
Title:	
Signature:	
Date:	

I hereby authorize ASSET Labs to perform the tests indicated below:

Project Name: PEA-E: Abraham Lincoln High School
Project Number: 12-020-07

Report to:	Marianne Santos
Company:	ASSET Laboratories
Email:	marianne@assetlaboratories.com reports@assetlaboratories.com
Address:	11110 Artesia Blvd Ste B
	Cerritos, CA 90703
Phone:	562.219.7435
Fax:	562.219.7436
Sampled by:	Signed

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Bill to:	Elvira Allegaert/Accounts Payable
Address:	11110 Artesia Blvd Ste B
	Cerritos, CA 90703
Email to:	elvira@assetlaboratories.com
PO#	N36036A
Phone:	562.219.7435
Fax:	562.219.7436

EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:

Global ID:

QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐

Specify State:

Sample Receipt Condition

	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		

Sample Temp:

Courier:

Tracking No.

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	98586-01	B4 @ 1.0	6/12/19	1035		X		X	E	1	G		
2	98586.02	B4 @ 5	↓	1048		↓		↓	↓	↓	↓		
3	98586.03	B5 @ 1.0		1335									
4	98586.04	B5 @ 5	↓	1340		↓		↓					
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time
Relinquished by (Signature and Printed Name):	Date / Time	Received by (Signature and Printed Name):	Date / Time

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratrories if hard copy of report is needed.
9. For subcontract analysis. TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	

Others/Specify:

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy
Yellow = Customer's Copy

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: Asset lab
Project Name:
AETL Job Number: 98586
Date Received: 06/14/19 Received by: Ant
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.3°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____
How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98586	06/14/2019	ASSET

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 4 samples with the following specification on 06/14/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
98586.01	B4@1.0	06/12/2019	Solid	1
98586.02	B4@5	06/12/2019	Solid	1
98586.03	B5@1.0	06/12/2019	Solid	1
98586.04	B5@5	06/12/2019	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/21/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 2

Project ID: 12-020-07
Project Name: PO# 36036A

AETL Job Number	Submitted	Client
98586	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4

Our Lab I.D.			Method Blank	**98586.01**	**98586.02**	**98586.03**	**98586.04**
Client Sample I.D.				B4@1.0	B4@5	B5@1.0	B5@5
Date Sampled				06/12/2019	06/12/2019	06/12/2019	06/12/2019
Date Prepared			06/17/2019	06/17/2019	06/17/2019	06/17/2019	06/17/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/19/2019
Matrix			Solid	Solid	Solid	Solid	Solid
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	94.4	128	92.8	119
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	16.7	20.3	16.1	18.4
Cobalt	2.5	5.0	ND	7.92	7.05	8.45	6.41
Copper	2.5	5.0	ND	14.9	22.5	16.0	25.0
Lead	2.5	5.0	ND	12.4	8.43	9.75	24.4
Molybdenum	2.0	5.0	ND	ND	2.62J	ND	2.49J
Nickel	2.5	5.0	ND	10.5	19.6	9.69	17.8
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	30.6	50.6	31.7	44.4
Zinc	2.5	5.0	ND	63.2	62.5	58.3	94.6

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QUALITY CONTROL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 3

Project ID: 12-020-07
Project Name: PO# 36036A

AETL Job Number	Submitted	Client
98586	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.5	103	50.0	52.5	105	1.9	75-125	<15
Arsenic	0.00	50.0	40.6	81.2	50.0	41.0	82.0	<1	75-125	<15
Barium	107	50.0	158	102	50.0	158	102	<1	75-125	<15
Beryllium	0.00	50.0	43.3	86.6	50.0	43.2	86.4	<1	75-125	<15
Cadmium	0.00	50.0	44.0	88.0	50.0	44.1	88.2	<1	75-125	<15
Chromium	16.7	50.0	61.2	89.0	50.0	61.2	89.0	<1	75-125	<15
Cobalt	9.01	50.0	50.3	82.6	50.0	50.4	82.8	<1	75-125	<15
Copper	16.4	50.0	66.9	101	50.0	66.4	100	<1	75-125	<15
Lead	5.23	50.0	45.2	79.9	50.0	45.4	80.3	<1	75-125	<15
Molybdenum	0.00	50.0	45.6	91.2	50.0	46.0	92.0	<1	75-125	<15
Nickel	10.8	50.0	52.0	82.4	50.0	52.0	82.4	<1	75-125	<15
Selenium	0.00	50.0	26.5 #	53.0	50.0	24.9 #	49.8	6.2	75-125	<15
Silver	0.00	50.0	41.7	83.4	50.0	41.6	83.2	<1	75-125	<15
Thallium	0.00	50.0	24.7 #	49.4	50.0	25.3 #	50.6	2.4	75-125	<15
Vanadium	33.0	50.0	80.1	94.2	50.0	80.0	94.0	<1	75-125	<15
Zinc	54.7	50.0	99.2	89.0	50.0	98.9	88.4	<1	75-125	<15

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	57.5	115	50.0	57.5	115	<1	75-125	<15	
Arsenic	50.0	56.5	113	50.0	56.0	112	<1	75-125	<15	
Barium	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Beryllium	50.0	57.0	114	50.0	56.0	112	1.8	75-125	<15	
Cadmium	50.0	56.5	113	50.0	56.0	112	<1	75-125	<15	
Chromium	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Cobalt	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15	
Copper	50.0	54.5	109	50.0	53.5	107	1.9	75-125	<15	
Lead	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 12-020-07
Project Name: PO# 36036A

AETL Job Number	Submitted	Client
98586	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Nickel	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Selenium	50.0	60.5	121	50.0	60.5	121	<1	75-125	<15	
Silver	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Thallium	50.0	52.0	104	50.0	51.0	102	1.9	75-125	<15	
Vanadium	50.0	55.0	110	50.0	54.5	109	<1	75-125	<15	
Zinc	50.0	60.0	120	50.0	59.5	119	<1	75-125	<15	

AMERICAN ENVIRONMENTAL TESTING LABORATORY
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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

AMERICAN ENVIRONMENTAL TESTING LABORATORY
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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036055

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036055

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment For EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 4,4´-DDT possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comments for EPA 6020:

Matrix Spike (MS) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for Lead possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036055
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036055-001A	B63@0.5	Soil	6/13/2019 4:15:00 PM	6/14/2019	7/1/2019
N036055-002A	B63@1.5	Soil	6/13/2019 4:17:00 PM	6/14/2019	7/1/2019
N036055-003A	B63@3.0	Soil	6/13/2019 4:19:00 PM	6/14/2019	7/1/2019
N036055-004A	B64@0.5	Soil	6/13/2019 4:30:00 PM	6/14/2019	7/1/2019
N036055-005A	B64@1.5	Soil	6/13/2019 4:33:00 PM	6/14/2019	7/1/2019
N036055-006A	B64@3.0	Soil	6/13/2019 4:35:00 PM	6/14/2019	7/1/2019
N036055-007A	B65@0.5	Soil	6/13/2019 4:38:00 PM	6/14/2019	7/1/2019
N036055-008A	B65@1.5	Soil	6/13/2019 4:40:00 PM	6/14/2019	7/1/2019
N036055-009A	B65@3.0	Soil	6/13/2019 4:42:00 PM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B63@0.5
Lab Order:	N036055	**Collection Date:**	6/13/2019 4:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036055-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244				PrepDate: 6/18/2019	Analyst: **HG**
Arsenic	5.7	0.50		mg/Kg	1	6/27/2019 01:56 PM
Lead	7.2	0.25		mg/Kg	1	6/27/2019 01:56 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B64@0.5
Lab Order:	N036055	**Collection Date:**	6/13/2019 4:30:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036055-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244				PrepDate: 6/18/2019	Analyst: **HG**
Arsenic	8.6	0.50		mg/Kg	1	6/27/2019 02:21 PM
Lead	390	1.2		mg/Kg	5	6/27/2019 04:16 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B65@0.5
Lab Order:	N036055	**Collection Date:**	6/13/2019 4:38:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036055-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243			PrepDate:	6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 01:44 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 01:44 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 01:44 AM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 01:44 AM
Surr: Tetrachloro-m-xylene	53.7	24-109		%REC	1	6/20/2019 01:44 AM
Surr: Decachlorobiphenyl	44.6	23-115		%REC	1	6/20/2019 01:44 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	8.1	0.50		mg/Kg	1	6/27/2019 02:26 PM
Lead	93	1.2		mg/Kg	5	6/27/2019 04:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036055
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **LCS-74244** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **LCSS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.111	0.50	5.000	0	102	85	115				
Lead	4.720	0.25	5.000	0	94.4	85	115				

Sample ID: **MB-74244** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **PBS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **N036055-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.030	0.50	4.998	5.689	86.9	75	125				
Lead	17.673	0.25	4.998	7.230	209	75	125				S

Sample ID: **N036055-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.022	0.50	4.990	5.689	107	75	125	10.03	9.43	20	
Lead	12.348	0.25	4.990	7.230	103	75	125	17.67	35.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036055
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74243_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **LCSS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.928	2.0	16.67	0	95.5	57	132				
4,4´-DDE	15.175	2.0	16.67	0	91.0	52	129				
4,4´-DDT	15.073	2.0	16.67	0	90.4	57	131				
Surr: Tetrachloro-m-xylene	12.548		16.67		75.3	24	109				
Surr: Decachlorobiphenyl	12.560		16.67		75.3	23	115				

Sample ID: **MB-74243** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **PBS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.535		16.67		75.2	24	109				
Surr: Decachlorobiphenyl	12.243		16.67		73.4	23	115				

Sample ID: **N035978-013A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	20.310	2.0	16.69	0	122	57	132				
4,4´-DDE	15.389	2.0	16.69	0	92.2	52	129				
4,4´-DDT	15.490	2.0	16.69	7.305	49.0	57	131				S
Surr: Tetrachloro-m-xylene	12.001		16.69		71.9	24	109				
Surr: Decachlorobiphenyl	10.933		16.69		65.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036055
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N035978-013A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	19.788	2.0	16.78	0	118	57	132	20.31	2.61	20	
4,4´-DDE	14.097	2.0	16.78	0	84.0	52	129	15.39	8.76	20	
4,4´-DDT	14.018	2.0	16.78	7.305	40.0	57	131	15.49	9.98	20	S
Surr: Tetrachloro-m-xylene	11.117		16.78		66.2	24	109		0		
Surr: Decachlorobiphenyl	10.513		16.78		62.6	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B63@0.5	6/13/12	1615	1	Soil	X	X										N036055-01
B63@1.5		1617	1													ON HOLD -02
B63@3.0		1619	1													ON HOLD -03
B64@0.5		1630	1		X	X										-04
B64@1.5		1633	1													ON HOLD -05
B64@3.0		1635	1													ON HOLD -06
B65@0.5		1638	1		X	X				X						-07
B65@1.5		1640	1													ON HOLD -08
B65@3.0		1642	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/14/19	0900	MARIANNE SANTOS	6/14/19	900
MARIANNE SANTOS	6/14/19	1700	FEDEX	6/15/19	9:50

SPECIAL INSTRUCTIONS:

In #2 4.3°C, 2.7°C 630 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036055
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036055

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036055-001A	B63@0.5	6/13/2019 4:15:00 PM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N036055-002A	B63@1.5	6/13/2019 4:17:00 PM					☐	☐	☐	WS
N036055-003A	B63@3.0	6/13/2019 4:19:00 PM					☐	☐	☐	WS
N036055-004A	B64@0.5	6/13/2019 4:30:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N036055-005A	B64@1.5	6/13/2019 4:33:00 PM					☐	☐	☐	WS
N036055-006A	B64@3.0	6/13/2019 4:35:00 PM					☐	☐	☐	WS
N036055-007A	B65@0.5	6/13/2019 4:38:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036055-008A	B65@1.5	6/13/2019 4:40:00 PM					☐	☐	☐	WS
N036055-009A	B65@3.0	6/13/2019 4:42:00 PM					☐	☐	☐	WS
N036055-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036056

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

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July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036057

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036057
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 6020:

Matrix Spike (MS) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for Lead possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036057
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036057-001A	B57@0.5	Soil	6/13/2019 11:20:00 AM	6/14/2019	7/1/2019
N036057-002A	B57@1.5	Soil	6/13/2019 11:23:00 AM	6/14/2019	7/1/2019
N036057-003A	B57@3.0	Soil	6/13/2019 11:26:00 AM	6/14/2019	7/1/2019
N036057-004A	B58@0.5	Soil	6/13/2019 10:49:00 AM	6/14/2019	7/1/2019
N036057-005A	B58@1.5	Soil	6/13/2019 10:52:00 AM	6/14/2019	7/1/2019
N036057-006A	B58@3.0	Soil	6/13/2019 10:57:00 AM	6/14/2019	7/1/2019
N036057-007A	B59@0.5	Soil	6/13/2019 3:10:00 PM	6/14/2019	7/1/2019
N036057-008A	B59@1.5	Soil	6/13/2019 3:14:00 PM	6/14/2019	7/1/2019
N036057-009A	B59@3.0	Soil	6/13/2019 3:18:00 PM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B57@0.5
Lab Order:	N036057	**Collection Date:**	6/13/2019 11:20:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036057-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 10:26 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 10:26 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 10:26 PM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 10:26 PM
Surr: Tetrachloro-m-xylene	49.4	24-109		%REC	1	6/20/2019 10:26 PM
Surr: Decachlorobiphenyl	44.2	23-115		%REC	1	6/20/2019 10:26 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	2.0	0.50		mg/Kg	1	6/27/2019 02:56 PM
Lead	12	0.25		mg/Kg	1	6/27/2019 02:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B58@0.5
Lab Order:	N036057	**Collection Date:**	6/13/2019 10:49:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036057-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 10:51 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 10:51 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 10:51 PM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 10:51 PM
Surr: Tetrachloro-m-xylene	61.1	24-109		%REC	1	6/20/2019 10:51 PM
Surr: Decachlorobiphenyl	41.8	23-115		%REC	1	6/20/2019 10:51 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	2.5	0.50		mg/Kg	1	6/27/2019 03:01 PM
Lead	14	0.25		mg/Kg	1	6/27/2019 03:01 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B59@0.5
Lab Order:	N036057	**Collection Date:**	6/13/2019 3:10:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036057-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 11:17 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 11:17 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 11:17 PM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 11:17 PM
Surr: Tetrachloro-m-xylene	77.1	24-109		%REC	1	6/20/2019 11:17 PM
Surr: Decachlorobiphenyl	48.2	23-115		%REC	1	6/20/2019 11:17 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	2.2	0.50		mg/Kg	1	6/27/2019 03:06 PM
Lead	5.9	0.25		mg/Kg	1	6/27/2019 03:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036057
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **LCS-74244** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **LCSS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.111	0.50	5.000	0	102	85	115				
Lead	4.720	0.25	5.000	0	94.4	85	115				

Sample ID: **MB-74244** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **PBS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **N036055-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.030	0.50	4.998	5.689	86.9	75	125				
Lead	17.673	0.25	4.998	7.230	209	75	125				S

Sample ID: **N036055-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.022	0.50	4.990	5.689	107	75	125	10.03	9.43	20	
Lead	12.348	0.25	4.990	7.230	103	75	125	17.67	35.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036057
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74268_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **LCSS** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	14.485	2.0	16.67	0	86.9	57	132				
4,4´-DDE	13.689	2.0	16.67	0	82.1	52	129				
4,4´-DDT	13.647	2.0	16.67	0	81.9	57	131				
Surr: Tetrachloro-m-xylene	11.100		16.67		66.6	24	109				
Surr: Decachlorobiphenyl	11.966		16.67		71.8	23	115				

Sample ID: **MB-74268** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **PBS** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.038		16.67		72.2	24	109				
Surr: Decachlorobiphenyl	11.694		16.67		70.2	23	115				

Sample ID: **N036056-001A-MS_** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.426	2.0	16.70	0	80.4	57	132				
4,4´-DDE	14.137	2.0	16.70	0.7852	79.9	52	129				
4,4´-DDT	15.180	2.0	16.70	2.228	77.5	57	131				
Surr: Tetrachloro-m-xylene	11.697		16.70		70.0	24	109				
Surr: Decachlorobiphenyl	9.781		16.70		58.6	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036057
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036056-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	11.381	2.0	16.74	0	68.0	57	132	13.43	16.5	20	
4,4´-DDE	12.134	2.0	16.74	0.7852	67.8	52	129	14.14	15.2	20	
4,4´-DDT	12.684	2.0	16.74	2.228	62.5	57	131	15.18	17.9	20	
Surr: Tetrachloro-m-xylene	11.819		16.74		70.6	24	109		0		
Surr: Decachlorobiphenyl	8.447		16.74		50.5	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
					—	—	—	—	—	—						
B57@0.5	6/13/12	1120	1	Soil	X	X				X						N036057-01
B57@1.5		1123	1													ON HOLD -02
B57@3.0		1126	1													ON HOLD -03
B58@0.5		1049	1		X	X				X						-04
B58@1.5		1052	1													ON HOLD -05
B58@3.0		1057	1													ON HOLD -06
B59@0.5		1510	1		X	X				X						-07
B59@1.5		1514	1													ON HOLD -08
B59@3.0		1518	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/14/19	0900	[signature] MARIANNE SANTOS	6/14/19	900
[signature] MARIANNE SANTOS	6/14/19	1700	[signature] FEDEX	6/15/19	9:50
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

IR#2 4.3°C, 2.7°C 650 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036057
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: For: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036057

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036057-001A	B57@0.5	6/13/2019 11:20:00 AM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036057-002A	B57@1.5	6/13/2019 11:23:00 AM					☐	☐	☐	WS
N036057-003A	B57@3.0	6/13/2019 11:26:00 AM					☐	☐	☐	WS
N036057-004A	B58@0.5	6/13/2019 10:49:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036057-005A	B58@1.5	6/13/2019 10:52:00 AM					☐	☐	☐	WS
N036057-006A	B58@3.0	6/13/2019 10:57:00 AM					☐	☐	☐	WS
N036057-007A	B59@0.5	6/13/2019 3:10:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036057-008A	B59@1.5	6/13/2019 3:14:00 PM					☐	☐	☐	WS
N036057-009A	B59@3.0	6/13/2019 3:18:00 PM					☐	☐	☐	WS
N036057-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

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800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036056
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 6020:

Matrix Spike (MS) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for Lead possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036056
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036056-001A	B60@0.5	Soil	6/13/2019 11:05:00 AM	6/14/2019	7/1/2019
N036056-002A	B60@1.5	Soil	6/13/2019 11:09:00 AM	6/14/2019	7/1/2019
N036056-003A	B60@3.0	Soil	6/13/2019 11:12:00 AM	6/14/2019	7/1/2019
N036056-004A	B61@0.5	Soil	6/13/2019 4:28:00 PM	6/14/2019	7/1/2019
N036056-005A	B61@1.5	Soil	6/13/2019 4:32:00 PM	6/14/2019	7/1/2019
N036056-006A	B61@3.0	Soil	6/13/2019 4:34:00 PM	6/14/2019	7/1/2019
N036056-007A	B62@0.5	Soil	6/13/2019 4:16:00 PM	6/14/2019	7/1/2019
N036056-008A	B62@1.5	Soil	6/13/2019 4:19:00 PM	6/14/2019	7/1/2019
N036056-009A	B62@3.0	Soil	6/13/2019 4:22:00 PM	6/14/2019	7/1/2019

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ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B60@0.5
Lab Order:	N036056	**Collection Date:**	6/13/2019 11:05:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036056-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 08:16 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 08:16 PM
4,4´-DDT	2.2	2.0		µg/Kg	1	6/20/2019 08:16 PM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 08:16 PM
Surr: Tetrachloro-m-xylene	65.4	24-109		%REC	1	6/20/2019 08:16 PM
Surr: Decachlorobiphenyl	64.6	23-115		%REC	1	6/20/2019 08:16 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	3.1	0.50		mg/Kg	1	6/27/2019 02:41 PM
Lead	8.5	0.25		mg/Kg	1	6/27/2019 02:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B61@0.5
Lab Order:	N036056	**Collection Date:**	6/13/2019 4:28:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036056-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 09:34 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 09:34 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 09:34 PM
Chlordane	22	8.5		µg/Kg	1	6/20/2019 09:34 PM
Surr: Tetrachloro-m-xylene	56.0	24-109		%REC	1	6/20/2019 09:34 PM
Surr: Decachlorobiphenyl	47.9	23-115		%REC	1	6/20/2019 09:34 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	7.1	0.50		mg/Kg	1	6/27/2019 02:46 PM
Lead	74	0.25		mg/Kg	1	6/27/2019 02:46 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B62@0.5
Lab Order:	N036056	**Collection Date:**	6/13/2019 4:16:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036056-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 10:00 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 10:00 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 10:00 PM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 10:00 PM
Surr: Tetrachloro-m-xylene	51.7	24-109		%REC	1	6/20/2019 10:00 PM
Surr: Decachlorobiphenyl	46.0	23-115		%REC	1	6/20/2019 10:00 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	10	0.50		mg/Kg	1	6/27/2019 02:51 PM
Lead	68	0.25		mg/Kg	1	6/27/2019 02:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036056
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **LCS-74244** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **LCSS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.111	0.50	5.000	0	102	85	115				
Lead	4.720	0.25	5.000	0	94.4	85	115				

Sample ID: **MB-74244** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **PBS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **N036055-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.030	0.50	4.998	5.689	86.9	75	125				
Lead	17.673	0.25	4.998	7.230	209	75	125				S

Sample ID: **N036055-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.022	0.50	4.990	5.689	107	75	125	10.03	9.43	20	
Lead	12.348	0.25	4.990	7.230	103	75	125	17.67	35.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036056
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74268_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **LCSS** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	14.485	2.0	16.67	0	86.9	57	132				
4,4´-DDE	13.689	2.0	16.67	0	82.1	52	129				
4,4´-DDT	13.647	2.0	16.67	0	81.9	57	131				
Surr: Tetrachloro-m-xylene	11.100		16.67		66.6	24	109				
Surr: Decachlorobiphenyl	11.966		16.67		71.8	23	115				

Sample ID: **MB-74268** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **PBS** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.038		16.67		72.2	24	109				
Surr: Decachlorobiphenyl	11.694		16.67		70.2	23	115				

Sample ID: **N036056-001A-MS_** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.426	2.0	16.70	0	80.4	57	132				
4,4´-DDE	14.137	2.0	16.70	0.7852	79.9	52	129				
4,4´-DDT	15.180	2.0	16.70	2.228	77.5	57	131				
Surr: Tetrachloro-m-xylene	11.697		16.70		70.0	24	109				
Surr: Decachlorobiphenyl	9.781		16.70		58.6	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036056
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036056-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	11.381	2.0	16.74	0	68.0	57	132	13.43	16.5	20	
4,4´-DDE	12.134	2.0	16.74	0.7852	67.8	52	129	14.14	15.2	20	
4,4´-DDT	12.684	2.0	16.74	2.228	62.5	57	131	15.18	17.9	20	
Surr: Tetrachloro-m-xylene	11.819		16.74		70.6	24	109		0		
Surr: Decachlorobiphenyl	8.447		16.74		50.5	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B60@0.5	6/13/12	1105	1	Soil	X	X				X						N036056-01
B60@1.5		1109	1													ON HOLD -02
B60@3.0		1112	1													ON HOLD -03
B61@0.5		1628	1		X	X				X						-04
B61@1.5		1632	1													ON HOLD -05
B61@3.0		1634	1													ON HOLD -06
B62@0.5		1616	1		X	X				X						-07
B62@1.5		1619	1													ON HOLD -08
B62@3.0		1622	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/14/19	0900	[signature] MARIANNE SANTOS	6/14/19	900
[signature] MARIANNE SANTOS	6/14/19	1700	[signature] FEDEX	6/15/19	9:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

IR # 2 4.3°C, 2.7°C GSO 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036056
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: For: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036056

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036056-001A	B60@0.5	6/13/2019 11:05:00 AM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036056-002A	B60@1.5	6/13/2019 11:09:00 AM					☐	☐	☐	WS
N036056-003A	B60@3.0	6/13/2019 11:12:00 AM					☐	☐	☐	WS
N036056-004A	B61@0.5	6/13/2019 4:28:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036056-005A	B61@1.5	6/13/2019 4:32:00 PM					☐	☐	☐	WS
N036056-006A	B61@3.0	6/13/2019 4:34:00 PM					☐	☐	☐	WS
N036056-007A	B62@0.5	6/13/2019 4:16:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036056-008A	B62@1.5	6/13/2019 4:19:00 PM					☐	☐	☐	WS
N036056-009A	B62@3.0	6/13/2019 4:22:00 PM					☐	☐	☐	WS
N036056-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036058

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036058
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 6020:

Matrix Spike (MS) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for Lead possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036058
Lab Order:
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036058-001A	B54@0.5	Soil	6/13/2019 10:30:00 AM	6/14/2019	7/1/2019
N036058-002A	B54@1.5	Soil	6/13/2019 10:34:00 AM	6/14/2019	7/1/2019
N036058-003A	B54@3.0	Soil	6/13/2019 10:40:00 AM	6/14/2019	7/1/2019
N036058-004A	B55@0.5	Soil	6/13/2019 10:50:00 AM	6/14/2019	7/1/2019
N036058-005A	B55@1.5	Soil	6/13/2019 10:53:00 AM	6/14/2019	7/1/2019
N036058-006A	B55@3.0	Soil	6/13/2019 10:55:00 AM	6/14/2019	7/1/2019
N036058-007A	B56@0.5	Soil	6/13/2019 10:30:00 AM	6/14/2019	7/1/2019
N036058-008A	B56@1.5	Soil	6/13/2019 10:34:00 AM	6/14/2019	7/1/2019
N036058-009A	B56@3.0	Soil	6/13/2019 10:43:00 AM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B54@0.5
Lab Order:	N036058	**Collection Date:**	6/13/2019 10:30:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036058-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 11:43 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 11:43 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 11:43 PM
Chlordane	ND	8.5		µg/Kg	1	6/20/2019 11:43 PM
Surr: Tetrachloro-m-xylene	61.6	24-109		%REC	1	6/20/2019 11:43 PM
Surr: Decachlorobiphenyl	48.6	23-115		%REC	1	6/20/2019 11:43 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	3.2	0.50		mg/Kg	1	6/27/2019 03:11 PM
Lead	25	0.25		mg/Kg	1	6/27/2019 03:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B55@0.5
Lab Order:	N036058	**Collection Date:**	6/13/2019 10:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036058-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/21/2019 12:09 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/21/2019 12:09 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/21/2019 12:09 AM
Chlordane	ND	8.4		µg/Kg	1	6/21/2019 12:09 AM
Surr: Tetrachloro-m-xylene	70.6	24-109		%REC	1	6/21/2019 12:09 AM
Surr: Decachlorobiphenyl	51.2	23-115		%REC	1	6/21/2019 12:09 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	3.0	0.50		mg/Kg	1	6/27/2019 03:16 PM
Lead	13	0.25		mg/Kg	1	6/27/2019 03:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B56@0.5
Lab Order:	N036058	**Collection Date:**	6/13/2019 10:30:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036058-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190620A	QC Batch: 74268			PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/21/2019 12:35 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/21/2019 12:35 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/21/2019 12:35 AM
Chlordane	ND	8.5		µg/Kg	1	6/21/2019 12:35 AM
Surr: Tetrachloro-m-xylene	64.2	24-109		%REC	1	6/21/2019 12:35 AM
Surr: Decachlorobiphenyl	55.7	23-115		%REC	1	6/21/2019 12:35 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	4.1	0.50		mg/Kg	1	6/27/2019 03:21 PM
Lead	25	0.25		mg/Kg	1	6/27/2019 03:21 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036058
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **LCS-74244** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **LCSS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.111	0.50	5.000	0	102	85	115				
Lead	4.720	0.25	5.000	0	94.4	85	115				

Sample ID: **MB-74244** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **PBS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **N036055-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.030	0.50	4.998	5.689	86.9	75	125				
Lead	17.673	0.25	4.998	7.230	209	75	125				S

Sample ID: **N036055-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.022	0.50	4.990	5.689	107	75	125	10.03	9.43	20	
Lead	12.348	0.25	4.990	7.230	103	75	125	17.67	35.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036058
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74268_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **LCSS** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	14.485	2.0	16.67	0	86.9	57	132				
4,4´-DDE	13.689	2.0	16.67	0	82.1	52	129				
4,4´-DDT	13.647	2.0	16.67	0	81.9	57	131				
Surr: Tetrachloro-m-xylene	11.100		16.67		66.6	24	109				
Surr: Decachlorobiphenyl	11.966		16.67		71.8	23	115				

Sample ID: **MB-74268** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **PBS** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.038		16.67		72.2	24	109				
Surr: Decachlorobiphenyl	11.694		16.67		70.2	23	115				

Sample ID: **N036056-001A-MS_** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.426	2.0	16.70	0	80.4	57	132				
4,4´-DDE	14.137	2.0	16.70	0.7852	79.9	52	129				
4,4´-DDT	15.180	2.0	16.70	2.228	77.5	57	131				
Surr: Tetrachloro-m-xylene	11.697		16.70		70.0	24	109				
Surr: Decachlorobiphenyl	9.781		16.70		58.6	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036058
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036056-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/19/2019** RunNo: **134641**
Client ID: **ZZZZZZ** Batch ID: **74268** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/20/2019** SeqNo: **3417760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	11.381	2.0	16.74	0	68.0	57	132	13.43	16.5	20	
4,4´-DDE	12.134	2.0	16.74	0.7852	67.8	52	129	14.14	15.2	20	
4,4´-DDT	12.684	2.0	16.74	2.228	62.5	57	131	15.18	17.9	20	
Surr: Tetrachloro-m-xylene	11.819		16.74		70.6	24	109		0		
Surr: Decachlorobiphenyl	8.447		16.74		50.5	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com
Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B54@0.5	6/13/19	1030	1	Soil	X	X				X						N036058-01
B54@1.5		1034	1													ON HOLD -02
B54@3.0		1040	1													ON HOLD -03
B55@0.5		1050	1		X	X				X						-04
B55@1.5		1053	1													ON HOLD -05
B55@3.0		1055	1													ON HOLD -06
B56@0.5		1030	1		X	X				X						-07
B56@1.5		1034	1													ON HOLD -08
B56@3.0		1043	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/14/19	0900	[signature] MARIANNE SANTOS	6/14/19	900
[signature] MARIANNE SANTOS	6/14/19	1700	[signature] FEDEX	6/15/19	9:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

IR#2 4.3°C, 2.7°C 630 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036058
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: For: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036058

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036058-001A	B54@0.5	6/13/2019 10:30:00 AM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036058-002A	B54@1.5	6/13/2019 10:34:00 AM					☐	☐	☐	WS
N036058-003A	B54@3.0	6/13/2019 10:40:00 AM					☐	☐	☐	WS
N036058-004A	B55@0.5	6/13/2019 10:50:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036058-005A	B55@1.5	6/13/2019 10:53:00 AM					☐	☐	☐	WS
N036058-006A	B55@3.0	6/13/2019 10:55:00 AM					☐	☐	☐	WS
N036058-007A	B56@0.5	6/13/2019 10:30:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036058-008A	B56@1.5	6/13/2019 10:34:00 AM					☐	☐	☐	WS
N036058-009A	B56@3.0	6/13/2019 10:43:00 AM					☐	☐	☐	WS
N036058-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036059

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036059
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 6020:

Matrix Spike (MS) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for Lead possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036059
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036059-001A	B51@0.5	Soil	6/13/2019 2:15:00 PM	6/14/2019	7/1/2019
N036059-002A	B51@1.5	Soil	6/13/2019 2:21:00 PM	6/14/2019	7/1/2019
N036059-003A	B51@3.0	Soil	6/13/2019 2:28:00 PM	6/14/2019	7/1/2019
N036059-004A	B52@0.5	Soil	6/13/2019 11:23:00 AM	6/14/2019	7/1/2019
N036059-005A	B52@1.5	Soil	6/13/2019 11:27:00 AM	6/14/2019	7/1/2019
N036059-006A	B52@3.0	Soil	6/13/2019 11:31:00 AM	6/14/2019	7/1/2019
N036059-007A	B53@0.5	Soil	6/13/2019 11:04:00 AM	6/14/2019	7/1/2019
N036059-008A	B53@1.5	Soil	6/13/2019 11:08:00 AM	6/14/2019	7/1/2019
N036059-009A	B53@3.0	Soil	6/13/2019 11:10:00 AM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B51@0.5
Lab Order:	N036059	**Collection Date:**	6/13/2019 2:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036059-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 09:42 AM
4,4´-DDE	2.5	2.0		µg/Kg	1	6/22/2019 09:42 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 09:42 AM
Chlordane	ND	8.6		µg/Kg	1	6/22/2019 09:42 AM
Surr: Tetrachloro-m-xylene	58.5	24-109		%REC	1	6/22/2019 09:42 AM
Surr: Decachlorobiphenyl	60.5	23-115		%REC	1	6/22/2019 09:42 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	130	2.5		mg/Kg	5	6/27/2019 04:26 PM
Lead	36	0.25		mg/Kg	1	6/27/2019 03:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B52@0.5
Lab Order:	N036059	**Collection Date:**	6/13/2019 11:23:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036059-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 11:00 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 11:00 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 11:00 AM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 11:00 AM
Surr: Tetrachloro-m-xylene	60.1	24-109		%REC	1	6/22/2019 11:00 AM
Surr: Decachlorobiphenyl	56.2	23-115		%REC	1	6/22/2019 11:00 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	2.4	0.50		mg/Kg	1	6/27/2019 03:51 PM
Lead	11	0.25		mg/Kg	1	6/27/2019 03:51 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B53@0.5
Lab Order:	N036059	**Collection Date:**	6/13/2019 11:04:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036059-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 11:26 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 11:26 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 11:26 AM
Chlordane	ND	8.4		µg/Kg	1	6/22/2019 11:26 AM
Surr: Tetrachloro-m-xylene	54.7	24-109		%REC	1	6/22/2019 11:26 AM
Surr: Decachlorobiphenyl	51.2	23-115		%REC	1	6/22/2019 11:26 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	4.5	0.50		mg/Kg	1	6/27/2019 03:56 PM
Lead	36	0.25		mg/Kg	1	6/27/2019 03:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036059
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **LCS-74244** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **LCSS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.111	0.50	5.000	0	102	85	115				
Lead	4.720	0.25	5.000	0	94.4	85	115				

Sample ID: **MB-74244** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **PBS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **N036055-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.030	0.50	4.998	5.689	86.9	75	125				
Lead	17.673	0.25	4.998	7.230	209	75	125				S

Sample ID: **N036055-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.022	0.50	4.990	5.689	107	75	125	10.03	9.43	20	
Lead	12.348	0.25	4.990	7.230	103	75	125	17.67	35.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036059
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036059
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436
Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B51@0.5	6/13/19	1415	1	Soil	X	X				X						N036059-01
B51@1.5		1421	1													ON HOLD -02
B51@3.0		1428	1													ON HOLD -03
B52@0.5		1123	1		X	X				X						-04
B52@1.5		1127	1													ON HOLD -05
B52@3.0		1131	1													ON HOLD -06
B53@0.5		1104	1		X	X				X						-07
B53@1.5		1108	1													ON HOLD -08
B53@3.0		1110	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/14/19	0900	MARIANNE SANTOS	6/14/19	900
MARIANNE SANTOS	6/14/19	1700	FEDEX	6/15/19	9:00

SPECIAL INSTRUCTIONS:

IR#2 4.7°C, 2.7°C CSO 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036059
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: FR For: YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036059

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036059-001A	B51@0.5	6/13/2019 2:15:00 PM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036059-002A	B51@1.5	6/13/2019 2:21:00 PM					☐	☐	☐	WS
N036059-003A	B51@3.0	6/13/2019 2:28:00 PM					☐	☐	☐	WS
N036059-004A	B52@0.5	6/13/2019 11:23:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036059-005A	B52@1.5	6/13/2019 11:27:00 AM					☐	☐	☐	WS
N036059-006A	B52@3.0	6/13/2019 11:31:00 AM					☐	☐	☐	WS
N036059-007A	B53@0.5	6/13/2019 11:04:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036059-008A	B53@1.5	6/13/2019 11:08:00 AM					☐	☐	☐	WS
N036059-009A	B53@3.0	6/13/2019 11:10:00 AM					☐	☐	☐	WS
N036059-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036060

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036060
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 6020:

Matrix Spike (MS) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for Lead possibly due to non-homogeneity of sample; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036060
Lab Order:
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036060-001A	B48@0.5	Soil	6/13/2019 2:00:00 PM	6/14/2019	7/1/2019
N036060-002A	B48@1.5	Soil	6/13/2019 2:05:00 PM	6/14/2019	7/1/2019
N036060-003A	B48@3.0	Soil	6/13/2019 2:08:00 PM	6/14/2019	7/1/2019
N036060-004A	B49@0.5	Soil	6/13/2019 12:07:00 PM	6/14/2019	7/1/2019
N036060-005A	B49@1.5	Soil	6/13/2019 12:10:00 PM	6/14/2019	7/1/2019
N036060-006A	B49@3.0	Soil	6/13/2019 12:13:00 PM	6/14/2019	7/1/2019
N036060-007A	B50@0.5	Soil	6/13/2019 12:15:00 PM	6/14/2019	7/1/2019
N036060-008A	B50@1.5	Soil	6/13/2019 12:18:00 PM	6/14/2019	7/1/2019
N036060-009A	B50@3.0	Soil	6/13/2019 12:21:00 PM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B48@0.5
Lab Order:	N036060	**Collection Date:**	6/13/2019 2:00:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036060-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 11:52 AM
4,4´-DDE	4.0	2.0		µg/Kg	1	6/22/2019 11:52 AM
4,4´-DDT	13	2.0		µg/Kg	1	6/22/2019 11:52 AM
Chlordane	26	8.5		µg/Kg	1	6/22/2019 11:52 AM
Surr: Tetrachloro-m-xylene	79.0	24-109		%REC	1	6/22/2019 11:52 AM
Surr: Decachlorobiphenyl	59.4	23-115		%REC	1	6/22/2019 11:52 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	10	0.50		mg/Kg	1	6/27/2019 04:01 PM
Lead	110	1.2		mg/Kg	5	6/27/2019 04:31 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B49@0.5
Lab Order:	N036060	**Collection Date:**	6/13/2019 12:07:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036060-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 12:18 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 12:18 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 12:18 PM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 12:18 PM
Surr: Tetrachloro-m-xylene	68.4	24-109		%REC	1	6/22/2019 12:18 PM
Surr: Decachlorobiphenyl	61.1	23-115		%REC	1	6/22/2019 12:18 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	7.0	0.50		mg/Kg	1	6/27/2019 04:06 PM
Lead	13	0.25		mg/Kg	1	6/27/2019 04:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036060
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036060-007

Client Sample ID: B50@0.5
Collection Date: 6/13/2019 12:15:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 12:44 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 12:44 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 12:44 PM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 12:44 PM
Surr: Tetrachloro-m-xylene	62.5	24-109		%REC	1	6/22/2019 12:44 PM
Surr: Decachlorobiphenyl	59.6	23-115		%REC	1	6/22/2019 12:44 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190627B	QC Batch: 74244			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	7.2	0.50		mg/Kg	1	6/27/2019 04:11 PM
Lead	24	0.25		mg/Kg	1	6/27/2019 04:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036060
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **LCS-74244** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **LCSS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.111	0.50	5.000	0	102	85	115				
Lead	4.720	0.25	5.000	0	94.4	85	115				

Sample ID: **MB-74244** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **PBS** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **N036055-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.030	0.50	4.998	5.689	86.9	75	125				
Lead	17.673	0.25	4.998	7.230	209	75	125				S

Sample ID: **N036055-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134776**
Client ID: **ZZZZZZ** Batch ID: **74244** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/27/2019** SeqNo: **3423758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.022	0.50	4.990	5.689	107	75	125	10.03	9.43	20	
Lead	12.348	0.25	4.990	7.230	103	75	125	17.67	35.5	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036060
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036060
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B48@0.5	6/13/19	1400	1	Soil	X	X				X						N036060-01
B48@1.5		1405	1													ON HOLD -02
B48@3.0		1408	1													ON HOLD -03
B49@0.5		1207	1		X	X				X						-04
B49@1.5		1216	1													ON HOLD -05
B49@3.0		1213	1													ON HOLD -06
B50@0.5		1215	1		X	X				X						-07
B50@1.5		1218	1													ON HOLD -08
B50@3.0		1221	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/14/19	0800	MARIANNE SANTOS	6/14/19	900
MARIANNE SANTOS	6/14/19	1700	FEDEX	6/15/19	900

SPECIAL INSTRUCTIONS:

IR #2 4.3°C, 2.7°C 650 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036060
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: FR For: YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036060

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036060-001A	B48@0.5	6/13/2019 2:00:00 PM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036060-002A	B48@1.5	6/13/2019 2:05:00 PM					☐	☐	☐	WS
N036060-003A	B48@3.0	6/13/2019 2:08:00 PM					☐	☐	☐	WS
N036060-004A	B49@0.5	6/13/2019 12:07:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036060-005A	B49@1.5	6/13/2019 12:10:00 PM					☐	☐	☐	WS
N036060-006A	B49@3.0	6/13/2019 12:13:00 PM					☐	☐	☐	WS
N036060-007A	B50@0.5	6/13/2019 12:15:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036060-008A	B50@1.5	6/13/2019 12:18:00 PM					☐	☐	☐	WS
N036060-009A	B50@3.0	6/13/2019 12:21:00 PM					☐	☐	☐	WS
N036060-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036061

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036061
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment for EPA 6020:

Matrix Spike Duplicate (MSD) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036061
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036061-001A	B45@0.5	Soil	6/13/2019 3:25:00 PM	6/14/2019	7/1/2019
N036061-002A	B45@1.5	Soil	6/13/2019 3:28:00 PM	6/14/2019	7/1/2019
N036061-003A	B45@3.0	Soil	6/13/2019 3:32:00 PM	6/14/2019	7/1/2019
N036061-004A	B46@0.5	Soil	6/13/2019 3:42:00 PM	6/14/2019	7/1/2019
N036061-005A	B46@1.5	Soil	6/13/2019 3:46:00 PM	6/14/2019	7/1/2019
N036061-006A	B46@3.0	Soil	6/13/2019 3:50:00 PM	6/14/2019	7/1/2019
N036061-007A	B47@0.5	Soil	6/13/2019 3:22:00 PM	6/14/2019	7/1/2019
N036061-008A	B47@1.5	Soil	6/13/2019 3:25:00 PM	6/14/2019	7/1/2019
N036061-009A	B47@3.0	Soil	6/13/2019 3:28:00 PM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B45@0.5
Lab Order:	N036061	**Collection Date:**	6/13/2019 3:25:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036061-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281				PrepDate: 6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 01:10 PM
4,4´-DDE	5.0	2.0		µg/Kg	1	6/22/2019 01:10 PM
4,4´-DDT	20	2.0		µg/Kg	1	6/22/2019 01:10 PM
Chlordane	9.2	8.5		µg/Kg	1	6/22/2019 01:10 PM
Surr: Tetrachloro-m-xylene	60.0	24-109		%REC	1	6/22/2019 01:10 PM
Surr: Decachlorobiphenyl	63.8	23-115		%REC	1	6/22/2019 01:10 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245				PrepDate: 6/18/2019	Analyst: **HG**
Arsenic	6.4	0.50		mg/Kg	1	6/28/2019 04:51 PM
Lead	55	0.25		mg/Kg	1	6/28/2019 04:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B46@0.5
Lab Order:	N036061	**Collection Date:**	6/13/2019 3:42:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036061-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 01:36 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 01:36 PM
4,4´-DDT	3.7	2.0		µg/Kg	1	6/22/2019 01:36 PM
Chlordane	15	8.5		µg/Kg	1	6/22/2019 01:36 PM
Surr: Tetrachloro-m-xylene	65.0	24-109		%REC	1	6/22/2019 01:36 PM
Surr: Decachlorobiphenyl	60.9	23-115		%REC	1	6/22/2019 01:36 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	18	0.50		mg/Kg	1	6/28/2019 05:16 PM
Lead	280	1.2		mg/Kg	5	6/28/2019 06:46 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B47@0.5
Lab Order:	N036061	**Collection Date:**	6/13/2019 3:22:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036061-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 02:02 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 02:02 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 02:02 PM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 02:02 PM
Surr: Tetrachloro-m-xylene	51.9	24-109		%REC	1	6/22/2019 02:02 PM
Surr: Decachlorobiphenyl	43.2	23-115		%REC	1	6/22/2019 02:02 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	5.9	0.50		mg/Kg	1	6/28/2019 05:21 PM
Lead	29	0.25		mg/Kg	1	6/28/2019 05:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036061
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74245** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **PBS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74245** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **LCSS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.072	0.50	5.000	0	101	85	115				
Lead	4.541	0.25	5.000	0	90.8	85	115				

Sample ID: **N036061-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.987	0.50	4.998	6.443	90.9	75	125				
Lead	60.433	0.25	4.998	54.77	113	75	125				

Sample ID: **N036061-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.041	0.50	4.983	6.443	92.3	75	125	10.99	0.494	20	
Lead	57.583	0.25	4.983	54.77	56.5	75	125	60.43	4.83	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036061
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036061
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH ☐ 24 Hrs ☐ 48 Hrs ☐ 72 Hrs ☐ Standard (5-7 days) ☒

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B45@0.5	6/13/19	1525	1	Soil	X	X				X						N036061-01
B45@1.5		1528	1													ON HOLD -02
B45@3.0		1532	1													ON HOLD -03
B46@0.5		1542	1		X	X				X						-04
B46@1.5		1546	1													ON HOLD -05
B46@3.0		1550	1													ON HOLD -06
B47@0.5		1522	1		X	X				X						-07
B47@1.5		1525	1													ON HOLD -08
B47@3.0		1528	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/14/19	0900	MARIANNE SANTOS	6/14/19	900
MARIANNE SANTOS	6/14/19	1700	FERN PARK	6/15/19	9:00

SPECIAL INSTRUCTIONS:

in #2 4.3°C, 2.7°C 60 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036061
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036061

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036061-001A	B45@0.5	6/13/2019 3:25:00 PM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036061-002A	B45@1.5	6/13/2019 3:28:00 PM					☐	☐	☐	WS
N036061-003A	B45@3.0	6/13/2019 3:32:00 PM					☐	☐	☐	WS
N036061-004A	B46@0.5	6/13/2019 3:42:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036061-005A	B46@1.5	6/13/2019 3:46:00 PM					☐	☐	☐	WS
N036061-006A	B46@3.0	6/13/2019 3:50:00 PM					☐	☐	☐	WS
N036061-007A	B47@0.5	6/13/2019 3:22:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036061-008A	B47@1.5	6/13/2019 3:25:00 PM					☐	☐	☐	WS
N036061-009A	B47@3.0	6/13/2019 3:28:00 PM					☐	☐	☐	WS
N036061-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

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800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036062

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036062
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment for EPA 6020:

Matrix Spike Duplicate (MSD) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036062
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036062-001A	B42@0.5	Soil	6/13/2019 3:15:00 PM	6/14/2019	7/1/2019
N036062-002A	B42@1.5	Soil	6/13/2019 3:17:00 PM	6/14/2019	7/1/2019
N036062-003A	B42@3.0	Soil	6/13/2019 3:19:00 PM	6/14/2019	7/1/2019
N036062-004A	B43@0.5	Soil	6/13/2019 2:55:00 PM	6/14/2019	7/1/2019
N036062-005A	B43@1.5	Soil	6/13/2019 2:58:00 PM	6/14/2019	7/1/2019
N036062-006A	B43@3.0	Soil	6/13/2019 3:00:00 PM	6/14/2019	7/1/2019
N036062-007A	B44@0.5	Soil	6/13/2019 2:45:00 PM	6/14/2019	7/1/2019
N036062-008A	B44@1.5	Soil	6/13/2019 2:48:00 PM	6/14/2019	7/1/2019
N036062-009A	B44@3.0	Soil	6/13/2019 2:50:00 PM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B42@0.5
Lab Order:	N036062	**Collection Date:**	6/13/2019 3:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036062-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 02:28 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 02:28 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 02:28 PM
Chlordane	ND	8.4		µg/Kg	1	6/22/2019 02:28 PM
Surr: Tetrachloro-m-xylene	66.9	24-109		%REC	1	6/22/2019 02:28 PM
Surr: Decachlorobiphenyl	59.3	23-115		%REC	1	6/22/2019 02:28 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	6.5	0.50		mg/Kg	1	6/28/2019 05:26 PM
Lead	24	0.25		mg/Kg	1	6/28/2019 05:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B43@0.5
Lab Order:	N036062	**Collection Date:**	6/13/2019 2:55:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036062-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	10	0.50		mg/Kg	1	6/28/2019 05:41 PM
Lead	25	0.25		mg/Kg	1	6/28/2019 05:41 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B44@0.5
Lab Order:	N036062	**Collection Date:**	6/13/2019 2:45:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036062-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245				PrepDate: 6/18/2019	Analyst: **HG**
Arsenic	13	0.50		mg/Kg	1	6/28/2019 05:46 PM
Lead	120	1.2		mg/Kg	5	6/28/2019 06:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036062
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74245** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **PBS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74245** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **LCSS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.072	0.50	5.000	0	101	85	115				
Lead	4.541	0.25	5.000	0	90.8	85	115				

Sample ID: **N036061-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.987	0.50	4.998	6.443	90.9	75	125				
Lead	60.433	0.25	4.998	54.77	113	75	125				

Sample ID: **N036061-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.041	0.50	4.983	6.443	92.3	75	125	10.99	0.494	20	
Lead	57.583	0.25	4.983	54.77	56.5	75	125	60.43	4.83	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036062
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036062
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B42@0.5	6/13/19	1515	1	Soil	X	X				X						N036062-01
B42@1.5		1517	1													ON HOLD -02
B42@3.0		1519	1													ON HOLD -03
B43@0.5		1455	1		X	X										-04
B43@1.5		1458	1													ON HOLD -05
B43@3.0		1500	1													ON HOLD -06
B44@0.5		1445	1		X	X										-07
B44@1.5		1448	1													ON HOLD -08
B44@3.0		1450	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/14/19	0900	[signature] MARIANNE SANTOS	6/14/19	900
[signature] MARIANNE SANTOS	6/14/19	1700	[signature] FEDEX	6/15/19	9:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

Ice #2 4.3°C, 2.7°C 650 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036062
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036062

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036062-001A	B42@0.5	6/13/2019 3:15:00 PM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036062-002A	B42@1.5	6/13/2019 3:17:00 PM					☐	☐	☐	WS
N036062-003A	B42@3.0	6/13/2019 3:19:00 PM					☐	☐	☐	WS
N036062-004A	B43@0.5	6/13/2019 2:55:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N036062-005A	B43@1.5	6/13/2019 2:58:00 PM					☐	☐	☐	WS
N036062-006A	B43@3.0	6/13/2019 3:00:00 PM					☐	☐	☐	WS
N036062-007A	B44@0.5	6/13/2019 2:45:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N036062-008A	B44@1.5	6/13/2019 2:48:00 PM					☐	☐	☐	WS
N036062-009A	B44@3.0	6/13/2019 2:50:00 PM					☐	☐	☐	WS
N036062-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036063

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036064

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036064
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment for EPA 6020:

Matrix Spike Duplicate (MSD) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036064
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036064-001A	QC-4	Soil	6/13/2019	6/14/2019	7/1/2019
N036064-002A	QC-5	Soil	6/13/2019	6/14/2019	7/1/2019
N036064-003A	QC-9	Soil	6/13/2019	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-4
Lab Order:	N036064	**Collection Date:**	6/13/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036064-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 04:13 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 04:13 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 04:13 PM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 04:13 PM
Surr: Tetrachloro-m-xylene	78.9	24-109		%REC	1	6/22/2019 04:13 PM
Surr: Decachlorobiphenyl	62.7	23-115		%REC	1	6/22/2019 04:13 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	3.1	0.50		mg/Kg	1	6/28/2019 06:06 PM
Lead	9.5	0.25		mg/Kg	1	6/28/2019 06:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-5
Lab Order:	N036064	**Collection Date:**	6/13/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036064-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 04:39 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 04:39 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 04:39 PM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 04:39 PM
Surr: Tetrachloro-m-xylene	72.4	24-109		%REC	1	6/22/2019 04:39 PM
Surr: Decachlorobiphenyl	73.7	23-115		%REC	1	6/22/2019 04:39 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	29	0.50		mg/Kg	1	6/28/2019 06:11 PM
Lead	140	1.2		mg/Kg	5	6/28/2019 07:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-9
Lab Order:	N036064	**Collection Date:**	6/13/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036064-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICPMS						
EPA 3050B			**EPA 6020**			
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	5.1	0.50		mg/Kg	1	6/28/2019 06:16 PM
Lead	46	0.25		mg/Kg	1	6/28/2019 06:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036064
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74245** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **PBS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74245** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **LCSS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.072	0.50	5.000	0	101	85	115				
Lead	4.541	0.25	5.000	0	90.8	85	115				

Sample ID: **N036061-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.987	0.50	4.998	6.443	90.9	75	125				
Lead	60.433	0.25	4.998	54.77	113	75	125				

Sample ID: **N036061-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.041	0.50	4.983	6.443	92.3	75	125	10.99	0.494	20	
Lead	57.583	0.25	4.983	54.77	56.5	75	125	60.43	4.83	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036064
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036064
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, **marianne@assetlaboratories.com**
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B				Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
					—	—	—	—	—	—							
QC-4	6/13/19		1	Soil	X	X				X							N036064-01
QC-5	↓		1	↓	X	X				X							-02
QC-9	↓		1	↓	X	X											-03
~~DRUM~~																	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/14/19	0900	MARIANNE SANTOS	6/14/19	900
MARIANNE SANTOS	6/14/19	1700	FEDEX	6/15/19	9:00

SPECIAL INSTRUCTIONS:

IN #2 4.3°C, 2.7°C 610 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036064
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: For: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036064

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036064-001A	QC-4	6/13/2019	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036064-002A	QC-5		6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036064-003A	QC-9		6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N036064-004A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

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800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036063
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment for EPA 6020:

Matrix Spike Duplicate (MSD) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036063
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036063-001A	B38@0.5	Soil	6/13/2019 9:13:00 AM	6/14/2019	7/1/2019
N036063-002A	B38@1.5	Soil	6/13/2019 9:16:00 AM	6/14/2019	7/1/2019
N036063-003A	B40@0.5	Soil	6/13/2019 9:18:00 AM	6/14/2019	7/1/2019
N036063-004A	B40@1.5	Soil	6/13/2019 9:25:00 AM	6/14/2019	7/1/2019
N036063-005A	B40@3.0	Soil	6/13/2019 9:30:00 AM	6/14/2019	7/1/2019
N036063-006A	B41@0.5	Soil	6/13/2019 9:40:00 AM	6/14/2019	7/1/2019
N036063-007A	B41@1.5	Soil	6/13/2019 9:45:00 AM	6/14/2019	7/1/2019
N036063-008A	B41@3.0	Soil	6/13/2019 9:50:00 AM	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B38@0.5
Lab Order:	N036063	**Collection Date:**	6/13/2019 9:13:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036063-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 02:55 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 02:55 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 02:55 PM
Chlordane	ND	8.5		µg/Kg	1	6/22/2019 02:55 PM
Surr: Tetrachloro-m-xylene	49.4	24-109		%REC	1	6/22/2019 02:55 PM
Surr: Decachlorobiphenyl	42.5	23-115		%REC	1	6/22/2019 02:55 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	3.3	0.50		mg/Kg	1	6/28/2019 05:51 PM
Lead	4.8	0.25		mg/Kg	1	6/28/2019 05:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B40@0.5
Lab Order:	N036063	**Collection Date:**	6/13/2019 9:18:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036063-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 03:21 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 03:21 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 03:21 PM
Chlordane	ND	8.4		µg/Kg	1	6/22/2019 03:21 PM
Surr: Tetrachloro-m-xylene	72.6	24-109		%REC	1	6/22/2019 03:21 PM
Surr: Decachlorobiphenyl	57.5	23-115		%REC	1	6/22/2019 03:21 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	21	0.50		mg/Kg	1	6/28/2019 05:56 PM
Lead	22	0.25		mg/Kg	1	6/28/2019 05:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B41@0.5
Lab Order:	N036063	**Collection Date:**	6/13/2019 9:40:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036063-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 03:47 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 03:47 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 03:47 PM
Chlordane	27	8.5		µg/Kg	1	6/22/2019 03:47 PM
Surr: Tetrachloro-m-xylene	75.7	24-109		%REC	1	6/22/2019 03:47 PM
Surr: Decachlorobiphenyl	60.8	23-115		%REC	1	6/22/2019 03:47 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	20	0.50		mg/Kg	1	6/28/2019 06:01 PM
Lead	110	1.2		mg/Kg	5	6/28/2019 07:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036063
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74245** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **PBS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74245** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **LCSS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.072	0.50	5.000	0	101	85	115				
Lead	4.541	0.25	5.000	0	90.8	85	115				

Sample ID: **N036061-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.987	0.50	4.998	6.443	90.9	75	125				
Lead	60.433	0.25	4.998	54.77	113	75	125				

Sample ID: **N036061-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.041	0.50	4.983	6.443	92.3	75	125	10.99	0.494	20	
Lead	57.583	0.25	4.983	54.77	56.5	75	125	60.43	4.83	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036063
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036063
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B38@0.5	6/13/19	0913	1	Soil	X	X				X						N036063-01
B38@1.5		0916	1													ON HOLD -02
B40@0.5		0918	1		X	X				X						-03
B40@1.5		0925	1													ON HOLD -04
B40@3.0		0930	1													ON HOLD -05
B41@0.5		0940	1		X	X				X						-06
B41@1.5		0945	1													ON HOLD -07
B41@3.0		0950	1													ON HOLD -08

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/14/19	0900	[signature] MARIANNE SANTOS	6/14/19	900
[signature] MARIANNE SANTOS	6/14/19	1900	[signature] FED EX	6/15/19	9:00

SPECIAL INSTRUCTIONS:

In #2 4.3°C, 2.7°C GSO 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036063
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036063

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036063-001A	B38@0.5	6/13/2019 9:13:00 AM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036063-002A	B38@1.5	6/13/2019 9:16:00 AM					☐	☐	☐	WS
N036063-003A	B40@0.5	6/13/2019 9:18:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036063-004A	B40@1.5	6/13/2019 9:25:00 AM					☐	☐	☐	WS
N036063-005A	B40@3.0	6/13/2019 9:30:00 AM					☐	☐	☐	WS
N036063-006A	B41@0.5	6/13/2019 9:40:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036063-007A	B41@1.5	6/13/2019 9:45:00 AM					☐	☐	☐	WS
N036063-008A	B41@3.0	6/13/2019 9:50:00 AM					☐	☐	☐	WS
N036063-009A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 02, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036065

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036065
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment for EPA 6020:

Matrix Spike Duplicate (MSD) is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *02-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036065
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036065-001A	B31@0.5	Soil	6/13/2019 8:50:00 AM	6/14/2019	7/2/2019
N036065-002A	B31@1.5	Soil	6/13/2019 8:53:00 AM	6/14/2019	7/2/2019
N036065-003A	B31@3.0	Soil	6/13/2019 8:55:00 AM	6/14/2019	7/2/2019
N036065-004A	B32@0.5	Soil	6/13/2019 8:34:00 AM	6/14/2019	7/2/2019
N036065-005A	B32@1.5	Soil	6/13/2019 8:40:00 AM	6/14/2019	7/2/2019
N036065-006A	B32@3.0	Soil	6/13/2019 8:46:00 AM	6/14/2019	7/2/2019
N036065-007A	B33@0.5	Soil	6/13/2019 8:58:00 AM	6/14/2019	7/2/2019
N036065-008A	B33@1.5	Soil	6/13/2019 9:02:00 AM	6/14/2019	7/2/2019
N036065-009A	B33@3.0	Soil	6/13/2019 9:08:00 AM	6/14/2019	7/2/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B31@0.5
Lab Order:	N036065	**Collection Date:**	6/13/2019 8:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036065-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 05:05 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 05:05 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 05:05 PM
Chlordane	11	8.5		µg/Kg	1	6/22/2019 05:05 PM
Surr: Tetrachloro-m-xylene	76.1	24-109		%REC	1	6/22/2019 05:05 PM
Surr: Decachlorobiphenyl	54.8	23-115		%REC	1	6/22/2019 05:05 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	2.3	0.50		mg/Kg	1	6/28/2019 06:21 PM
Lead	53	0.25		mg/Kg	1	6/28/2019 06:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B32@0.5
Lab Order:	N036065	**Collection Date:**	6/13/2019 8:34:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036065-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 05:31 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 05:31 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 05:31 PM
Chlordane	14	8.5		µg/Kg	1	6/22/2019 05:31 PM
Surr: Tetrachloro-m-xylene	57.5	24-109		%REC	1	6/22/2019 05:31 PM
Surr: Decachlorobiphenyl	59.6	23-115		%REC	1	6/22/2019 05:31 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	29	0.50		mg/Kg	1	6/28/2019 06:26 PM
Lead	27	0.25		mg/Kg	1	6/28/2019 06:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B33@0.5
Lab Order:	N036065	**Collection Date:**	6/13/2019 8:58:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036065-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190621B	QC Batch: 74281			PrepDate:	6/20/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/22/2019 05:57 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/22/2019 05:57 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/22/2019 05:57 PM
Chlordane	13	8.5		µg/Kg	1	6/22/2019 05:57 PM
Surr: Tetrachloro-m-xylene	64.6	24-109		%REC	1	6/22/2019 05:57 PM
Surr: Decachlorobiphenyl	73.3	23-115		%REC	1	6/22/2019 05:57 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP7_190628A	QC Batch: 74245			PrepDate:	6/18/2019	Analyst: **HG**
Arsenic	15	0.50		mg/Kg	1	6/28/2019 06:41 PM
Lead	55	0.25		mg/Kg	1	6/28/2019 06:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036065
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-74245** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **PBS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Lead	ND	0.25									

Sample ID: **LCS-74245** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **LCSS** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.072	0.50	5.000	0	101	85	115				
Lead	4.541	0.25	5.000	0	90.8	85	115				

Sample ID: **N036061-001A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.987	0.50	4.998	6.443	90.9	75	125				
Lead	60.433	0.25	4.998	54.77	113	75	125				

Sample ID: **N036061-001A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134802**
Client ID: **ZZZZZZ** Batch ID: **74245** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **6/28/2019** SeqNo: **3425363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.041	0.50	4.983	6.443	92.3	75	125	10.99	0.494	20	
Lead	57.583	0.25	4.983	54.77	56.5	75	125	60.43	4.83	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036065
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74281_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **LCSS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.985	2.0	16.67	0	83.9	57	132				
4,4´-DDE	13.701	2.0	16.67	0	82.2	52	129				
4,4´-DDT	14.268	2.0	16.67	0	85.6	57	131				
Surr: Tetrachloro-m-xylene	11.337		16.67		68.0	24	109				
Surr: Decachlorobiphenyl	12.018		16.67		72.1	23	115				

Sample ID: **MB-74281** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **PBS** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.369		16.67		68.2	24	109				
Surr: Decachlorobiphenyl	12.510		16.67		75.0	23	115				

Sample ID: **N036059-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.407	2.0	16.73	0	80.2	57	132				
4,4´-DDE	16.999	2.0	16.73	2.536	86.5	52	129				
4,4´-DDT	16.231	2.0	16.73	1.800	86.3	57	131				
Surr: Tetrachloro-m-xylene	11.707		16.73		70.0	24	109				
Surr: Decachlorobiphenyl	11.415		16.73		68.2	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036065
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036059-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/20/2019** RunNo: **134692**
Client ID: **ZZZZZZ** Batch ID: **74281** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/22/2019** SeqNo: **3419170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13.164	2.0	16.73	0	78.7	57	132	13.41	1.83	20	
4,4´-DDE	16.143	2.0	16.73	2.536	81.4	52	129	17.00	5.16	20	
4,4´-DDT	14.912	2.0	16.73	1.800	78.4	57	131	16.23	8.47	20	
Surr: Tetrachloro-m-xylene	11.338		16.73		67.8	24	109		0		
Surr: Decachlorobiphenyl	11.079		16.73		66.2	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: HBarry

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number:

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
B31@0.5	6/13/19	0850	1	Soil	X	X				X						N036065-01
B31@1.5		0853	1													ON HOLD -02
B31@3.0		0855	1													ON HOLD -03
B32@0.5		0834	1		X	X				X						-04
B32@1.5		0846	1													ON HOLD -05
B32@3.0		0846	1													ON HOLD -06
B33@0.5		0858	1		X	X				X						-07
B33@1.5		0902	1													ON HOLD -08
B33@3.0		0908	1													ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
HBarry	6/14/19	0900	MARIANNE SANTOS	6/14/19	900
MARIANNE SANTOS	6/14/19	1700	FEDEX	6/15/19	9:00

SPECIAL INSTRUCTIONS:
- compile report for B1-B65
- compile report for QC
- " " for equipment blank
- compile report for DRUM

1st #2 4.3°C, 2.7°C 650 7407, 7409

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036065
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036065

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036065-001A	B31@0.5	6/13/2019 8:50:00 AM	6/21/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036065-002A	B31@1.5	6/13/2019 8:53:00 AM					☐	☐	☐	WS
N036065-003A	B31@3.0	6/13/2019 8:55:00 AM					☐	☐	☐	WS
N036065-004A	B32@0.5	6/13/2019 8:34:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036065-005A	B32@1.5	6/13/2019 8:40:00 AM					☐	☐	☐	WS
N036065-006A	B32@3.0	6/13/2019 8:46:00 AM					☐	☐	☐	WS
N036065-007A	B33@0.5	6/13/2019 8:58:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036065-008A	B33@1.5	6/13/2019 9:02:00 AM					☐	☐	☐	WS
N036065-009A	B33@3.0	6/13/2019 9:08:00 AM					☐	☐	☐	WS
N036065-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

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800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

July 02, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036213

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 24, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036213
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

This is an Addendum WO for N035978.

ASSET Laboratories

Date: *02-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036213
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036213-001A	B26@1.5'	Soil	6/10/2019 12:23:00 PM	6/24/2019	7/2/2019
N036213-002A	B30@1.5'	Soil	6/10/2019 2:20:00 PM	6/24/2019	7/2/2019
N036213-003A	B34@1.5'	Soil	6/10/2019 11:12:00 AM	6/24/2019	7/2/2019
N036213-004A	B35@1.5'	Soil	6/10/2019 11:27:00 AM	6/24/2019	7/2/2019
N036213-005A	B36@1.5'	Soil	6/10/2019 11:47:00 AM	6/24/2019	7/2/2019
N036213-006A	B37@1.5'	Soil	6/10/2019 3:05:00 PM	6/24/2019	7/2/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B26@1.5'
Lab Order:	N036213	**Collection Date:**	6/10/2019 12:23:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036213-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190626A	QC Batch: 74333				PrepDate: 6/24/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/26/2019 02:33 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/26/2019 02:33 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/26/2019 02:33 PM
Chlordane	ND	8.5		µg/Kg	1	6/26/2019 02:33 PM
Surr: Tetrachloro-m-xylene	70.4	24-109		%REC	1	6/26/2019 02:33 PM
Surr: Decachlorobiphenyl	45.7	23-115		%REC	1	6/26/2019 02:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B30@1.5'
Lab Order:	N036213	**Collection Date:**	6/10/2019 2:20:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036213-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190626A	QC Batch: 74333				PrepDate: 6/24/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/26/2019 03:51 PM
4,4´-DDE	ND	2.0		µg/Kg	1	6/26/2019 03:51 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/26/2019 03:51 PM
Chlordane	ND	8.5		µg/Kg	1	6/26/2019 03:51 PM
Surr: Tetrachloro-m-xylene	70.4	24-109		%REC	1	6/26/2019 03:51 PM
Surr: Decachlorobiphenyl	46.5	23-115		%REC	1	6/26/2019 03:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B34@1.5'
Lab Order:	N036213	**Collection Date:**	6/10/2019 11:12:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036213-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190626A	QC Batch: 74333				PrepDate: 6/24/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/26/2019 04:17 PM
4,4´-DDE	7.5	2.0		µg/Kg	1	6/26/2019 04:17 PM
4,4´-DDT	4.1	2.0		µg/Kg	1	6/26/2019 04:17 PM
Chlordane	1700	85		µg/Kg	10	6/26/2019 06:53 PM
Surr: Tetrachloro-m-xylene	72.4	24-109		%REC	1	6/26/2019 04:17 PM
Surr: Decachlorobiphenyl	58.8	23-115		%REC	1	6/26/2019 04:17 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B35@1.5'
Lab Order:	N036213	**Collection Date:**	6/10/2019 11:27:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036213-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190626A	QC Batch: 74333				PrepDate: 6/24/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/26/2019 04:43 PM
4,4´-DDE	2.5	2.0		µg/Kg	1	6/26/2019 04:43 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/26/2019 04:43 PM
Chlordane	16	8.5		µg/Kg	1	6/26/2019 04:43 PM
Surr: Tetrachloro-m-xylene	74.0	24-109		%REC	1	6/26/2019 04:43 PM
Surr: Decachlorobiphenyl	69.9	23-115		%REC	1	6/26/2019 04:43 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B36@1.5'
Lab Order:	N036213	**Collection Date:**	6/10/2019 11:47:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036213-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190626A	QC Batch: 74333				PrepDate: 6/24/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/26/2019 05:09 PM
4,4´-DDE	6.0	2.0		µg/Kg	1	6/26/2019 05:09 PM
4,4´-DDT	ND	2.0		µg/Kg	1	6/26/2019 05:09 PM
Chlordane	ND	8.5		µg/Kg	1	6/26/2019 05:09 PM
Surr: Tetrachloro-m-xylene	73.6	24-109		%REC	1	6/26/2019 05:09 PM
Surr: Decachlorobiphenyl	61.0	23-115		%REC	1	6/26/2019 05:09 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *02-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B37@1.5'
Lab Order:	N036213	**Collection Date:**	6/10/2019 3:05:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036213-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190626A	QC Batch: 74333				PrepDate: 6/24/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/26/2019 05:35 PM
4,4´-DDE	3.5	2.0		µg/Kg	1	6/26/2019 05:35 PM
4,4´-DDT	6.2	2.0		µg/Kg	1	6/26/2019 05:35 PM
Chlordane	ND	8.5		µg/Kg	1	6/26/2019 05:35 PM
Surr: Tetrachloro-m-xylene	68.4	24-109		%REC	1	6/26/2019 05:35 PM
Surr: Decachlorobiphenyl	63.2	23-115		%REC	1	6/26/2019 05:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036213
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74333_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/24/2019** RunNo: **134739**
Client ID: **LCSS** Batch ID: **74333** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/26/2019** SeqNo: **3421637**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	19.732	2.0	16.67	0	118	57	132				
4,4´-DDE	19.945	2.0	16.67	0	120	52	129				
4,4´-DDT	20.462	2.0	16.67	0	123	57	131				
Surr: Tetrachloro-m-xylene	16.090		16.67		96.5	24	109				
Surr: Decachlorobiphenyl	18.195		16.67		109	23	115				

Sample ID: **MB-74333** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/24/2019** RunNo: **134739**
Client ID: **PBS** Batch ID: **74333** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/26/2019** SeqNo: **3421638**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	11.810		16.67		70.8	24	109				
Surr: Decachlorobiphenyl	12.487		16.67		74.9	23	115				

Sample ID: **N036213-001A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/24/2019** RunNo: **134739**
Client ID: **ZZZZZZ** Batch ID: **74333** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/26/2019** SeqNo: **3421828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	14.060	2.0	16.67	0	84.3	57	132				
4,4´-DDE	12.870	2.0	16.67	0	77.2	52	129				
4,4´-DDT	13.193	2.0	16.67	0	79.1	57	131				
Surr: Tetrachloro-m-xylene	13.692		16.67		82.1	24	109				
Surr: Decachlorobiphenyl	7.570		16.67		45.4	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036213
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N036213-001A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/24/2019** RunNo: **134739**
Client ID: **ZZZZZZ** Batch ID: **74333** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/26/2019** SeqNo: **3421829**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	14.578	2.0	16.67	0	87.5	57	132	14.06	3.62	20	
4,4´-DDE	13.200	2.0	16.67	0	79.2	52	129	12.87	2.53	20	
4,4´-DDT	14.062	2.0	16.67	0	84.4	57	131	13.19	6.37	20	
Surr: Tetrachloro-m-xylene	12.577		16.67		75.4	24	109		0		
Surr: Decachlorobiphenyl	9.978		16.67		59.9	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Subject: N036213
From: "Marianne Santos" <marianne@assetlaboratories.com>
Date: 6/24/2019, 5:41 PM
To: "'ASSET CA Sample Control'" <samplecontrol@assetlaboratories.com>, "'Yoandra Rodriguez'" <yoandra@assetlaboratories.com>

Hi,

Please see client's response below.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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-----Original Message-----
From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 24, 2019 4:48 PM
To: Marianne
Cc: Hamidou Barry; puri; Thad Malit
Subject: Re: PEA-E: Abraham Lincoln High School, 12-020-07 (Asset Labs No. N035978)

Standard should be fine. We don't expect to analyze the 3' samples.

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office : (925) 279-5000 • Fax : (925) 279-5001 • Cell : (707) 342-566 9
[mailto:jramos@alisto.com | jramos@alisto.com]

----- Original Message -----
From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>
Cc: "Hamidou Barry" <hbarry@alisto.com>, "puri" <puri@assetlaboratories.com>, "Thad Malit" <tmalit@assetlaboratories.com>
Sent: Monday, June 24, 2019 3:30:08 PM
Subject: RE: PEA-E: Abraham Lincoln High School, 12-020-07 (Asset Labs No. N035978)

No worries. Please confirm a TAT.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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-----Original Message-----
From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 24, 2019 3:02 PM
To: Marianne
Cc: Hamidou Barry; puri; Thad Malit
Subject: Re: PEA-E: Abraham Lincoln High School, 12-020-07 (Asset Labs No. N035978)

For OCPs. Sorry about that.

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office : (925) 279-5000 • Fax : (925) 279-5001 • Cell : (707) 342-566 9
[mailto:jramos@alisto.com | jramos@alisto.com]

----- Original Message -----
From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>
Cc: "Hamidou Barry" <hbarry@alisto.com>, "puri" <puri@assetlaboratories.com>, "Thad Malit" <tmalit@assetlaboratories.com>
Sent: Monday, June 24, 2019 3:04:31 PM
Subject: RE: PEA-E: Abraham Lincoln High School, 12-020-07 (Asset Labs No. N035978)

Hi James,

Please confirm which tests you need for the samples.

Thanks,

Marianne Santos
Project Manager

Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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-----Original Message-----
From: James Ramos [mailto:jramos@alisto.com]
Sent: Monday, June 24, 2019 1:48 PM
To: Marianne
Cc: Hamidou Barry; puri; Thad Malit
Subject: Re: PEA-E: Abraham Lincoln High School, 12-020-07 (Asset Labs No. N035978)

Hi Marianne,

Thank you for that and after reviewing, please analyze the next sample depth, 1.5', for the following samples:

B26@1.5'
B30@1.5'
B34@1.5'
B35@1.5'
B36@1.5'
B37@1.5'

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office : (925) 279-5000 • Fax : (925) 279-5001 • Cell : (707) 342-566 9
[mailto:jramos@alisto.com | jramos@alisto.com]

----- Original Message -----
From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>
Cc: "Hamidou Barry" <hbarry@alisto.com>, "puri" <puri@assetlaboratories.com>, "Thad Malit" <tmalit@assetlaboratories.com>
Sent: Monday, June 24, 2019 1:14:55 PM
Subject: RE: PEA-E: Abraham Lincoln High School, 12-020-07 (Asset Labs No. N035978)

Hi James,

OCPs have a 14 day holding time, and metals have a 6 month holding time (except for mercury, which has a 28 day holding time).

ASSET Laboratories

Please review the checklist below. Any NO and/or NA signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Change Order Checklist

Client Name: **ALIEN01**

Date / Time Created: **6/24/2019 5:30:52 PM**

Work Order Number: **N036213**

Created by: **YR**

Checklist completed by: YRJ (Signature) 6/24/2019 (Date)

Reviewed by: (Initials) 6/28/2019 (Date)

1. All samples within holding time? Yes ☑ No ☐

2. Refrigerator temperature in compliance? Yes ☑ No ☐

3. Change Order documents present? Yes ☑ No ☐

Comments:

ASSET Laboratories

WORK ORDER Summary

24-Jun-19

WorkOrder: N036213

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/24/2019

Comments: Addendum WO for N035978

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036213-001A	B26@1.5'	6/10/2019 12:23:00 PM	7/1/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036213-002A	B30@1.5'	6/10/2019 2:20:00 PM	7/1/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036213-003A	B34@1.5'	6/10/2019 11:12:00 AM	7/1/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036213-004A	B35@1.5'	6/10/2019 11:27:00 AM	7/1/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036213-005A	B36@1.5'	6/10/2019 11:47:00 AM	7/1/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036213-006A	B37@1.5'	6/10/2019 3:05:00 PM	7/1/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N036213-007A	FOLDER	7/1/2019	7/1/2019		Folder	Folder	☐	☐	☐	LAB
			7/1/2019		Folder	Folder	☐	☐	☐	LAB

STEP-OUT SAMPLING

August 29, 2019

Hamidou Barry
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N037035

RE: PEA-E: Abraham Lincoln High School, 12-020-07

Attention: Hamidou Barry

Enclosed are the results for sample(s) received on August 16, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Andrew Garaniel
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comment For 6010B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Lead on batches 75073 and 75074 possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comment For 6020:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Arsenic possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *29-Aug-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037035
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N037035-001A	B10-A@0.5	Soil	8/15/2019 3:16:00 PM	8/16/2019	8/29/2019
N037035-002A	B10-A@1.5	Soil	8/15/2019 3:18:00 PM	8/16/2019	8/29/2019
N037035-003A	B10-A@3.0	Soil	8/15/2019 3:20:00 PM	8/16/2019	8/29/2019
N037035-004A	B10-B@0.5	Soil	8/15/2019 3:07:00 PM	8/16/2019	8/29/2019
N037035-005A	B10-B@1.5	Soil	8/15/2019 3:09:00 PM	8/16/2019	8/29/2019
N037035-006A	B10-B@3.0	Soil	8/15/2019 3:11:00 PM	8/16/2019	8/29/2019
N037035-007A	B23-A@0.5	Soil	8/15/2019 2:08:00 PM	8/16/2019	8/29/2019
N037035-008A	B23-A@1.5	Soil	8/15/2019 2:10:00 PM	8/16/2019	8/29/2019
N037035-009A	B23-A@3.0	Soil	8/15/2019 2:12:00 PM	8/16/2019	8/29/2019
N037035-010A	B24-A@0.5	Soil	8/15/2019 2:24:00 PM	8/16/2019	8/29/2019
N037035-011A	B24-A@1.5	Soil	8/15/2019 2:27:00 PM	8/16/2019	8/29/2019
N037035-012A	B24-A@3.0	Soil	8/15/2019 2:29:00 PM	8/16/2019	8/29/2019
N037035-013A	B24-B@0.5	Soil	8/15/2019 2:42:00 PM	8/16/2019	8/29/2019
N037035-014A	B24-B@1.5	Soil	8/15/2019 2:46:00 PM	8/16/2019	8/29/2019
N037035-015A	B24-B@3.0	Soil	8/15/2019 2:48:00 PM	8/16/2019	8/29/2019
N037035-016A	B27-A@0.5	Soil	8/15/2019 10:15:00 AM	8/16/2019	8/29/2019
N037035-017A	B27-A@1.5	Soil	8/15/2019 10:18:00 AM	8/16/2019	8/29/2019
N037035-018A	B27-A@3.0	Soil	8/15/2019 10:20:00 AM	8/16/2019	8/29/2019
N037035-019A	B29-A@0.5	Soil	8/15/2019 10:25:00 AM	8/16/2019	8/29/2019
N037035-020A	B29-A@1.5	Soil	8/15/2019 10:27:00 AM	8/16/2019	8/29/2019
N037035-021A	B29-A@3.0	Soil	8/15/2019 10:31:00 AM	8/16/2019	8/29/2019
N037035-022A	B32-A@0.5	Soil	8/15/2019 10:45:00 AM	8/16/2019	8/29/2019
N037035-023A	B32-A@1.5	Soil	8/15/2019 10:47:00 AM	8/16/2019	8/29/2019
N037035-024A	B32-A@3.0	Soil	8/15/2019 10:49:00 AM	8/16/2019	8/29/2019
N037035-025A	B34-A@0.5	Soil	8/15/2019 12:10:00 PM	8/16/2019	8/29/2019
N037035-025B	B34-A@0.5	Soil	8/15/2019 12:10:00 PM	8/16/2019	8/29/2019
N037035-026A	B34-A@1.5	Soil	8/15/2019 12:14:00 PM	8/16/2019	8/29/2019
N037035-026B	B34-A@1.5	Soil	8/15/2019 12:14:00 PM	8/16/2019	8/29/2019
N037035-027A	B34-A@3.0	Soil	8/15/2019 12:28:00 PM	8/16/2019	8/29/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037035
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N037035-027B	B34-A@3.0	Soil	8/15/2019 12:28:00 PM	8/16/2019	8/29/2019
N037035-028A	B40-A@0.5	Soil	8/15/2019 11:05:00 AM	8/16/2019	8/29/2019
N037035-029A	B40-A@1.5	Soil	8/15/2019 11:08:00 AM	8/16/2019	8/29/2019
N037035-030A	B40-A@3.0	Soil	8/15/2019 11:10:00 AM	8/16/2019	8/29/2019
N037035-031A	B41-A@0.5	Soil	8/15/2019 11:37:00 AM	8/16/2019	8/29/2019
N037035-032A	B41-A@1.5	Soil	8/15/2019 11:42:00 AM	8/16/2019	8/29/2019
N037035-033A	B41-A@3.0	Soil	8/15/2019 11:45:00 AM	8/16/2019	8/29/2019
N037035-034A	B41-B@0.5	Soil	8/15/2019 11:50:00 AM	8/16/2019	8/29/2019
N037035-035A	B41-B@1.5	Soil	8/15/2019 11:53:00 AM	8/16/2019	8/29/2019
N037035-036A	B41-B@3.0	Soil	8/15/2019 11:56:00 AM	8/16/2019	8/29/2019
N037035-037A	B44-A@0.5	Soil	8/15/2019 4:00:00 PM	8/16/2019	8/29/2019
N037035-038A	B44-A@1.5	Soil	8/15/2019 4:05:00 PM	8/16/2019	8/29/2019
N037035-039A	B44-A@3.0	Soil	8/15/2019 4:10:00 PM	8/16/2019	8/29/2019
N037035-040A	B46-A@0.5	Soil	8/15/2019 4:38:00 PM	8/16/2019	8/29/2019
N037035-041A	B46-A@1.5	Soil	8/15/2019 4:40:00 PM	8/16/2019	8/29/2019
N037035-042A	B46-A@3.0	Soil	8/15/2019 4:42:00 PM	8/16/2019	8/29/2019
N037035-043A	B46-B@0.5	Soil	8/15/2019 4:27:00 PM	8/16/2019	8/29/2019
N037035-044A	B46-B@1.5	Soil	8/15/2019 4:29:00 PM	8/16/2019	8/29/2019
N037035-045A	B46-B@3.0	Soil	8/15/2019 4:31:00 PM	8/16/2019	8/29/2019
N037035-046A	B51-A@0.5	Soil	8/15/2019 3:44:00 PM	8/16/2019	8/29/2019
N037035-047A	B51-A@1.5	Soil	8/15/2019 3:46:00 PM	8/16/2019	8/29/2019
N037035-048A	B51-A@3.0	Soil	8/15/2019 3:48:00 PM	8/16/2019	8/29/2019
N037035-049A	B64-A@0.5	Soil	8/15/2019 5:13:00 PM	8/16/2019	8/29/2019
N037035-050A	B64-A@1.5	Soil	8/15/2019 5:16:00 PM	8/16/2019	8/29/2019
N037035-051A	B64-A@3.0	Soil	8/15/2019 5:19:00 PM	8/16/2019	8/29/2019
N037035-052A	B64-B@0.5	Soil	8/15/2019 5:02:00 PM	8/16/2019	8/29/2019
N037035-053A	B34-B@1.5	Soil	8/15/2019 5:06:00 PM	8/16/2019	8/29/2019
N037035-054A	B34-B@3.0	Soil	8/15/2019 5:08:00 PM	8/16/2019	8/29/2019
N037035-055A	B64-C@0.5	Soil	8/15/2019 5:31:00 PM	8/16/2019	8/29/2019
N037035-056A	B64-C@1.5	Soil	8/15/2019 5:33:00 PM	8/16/2019	8/29/2019

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037035
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N037035-057A	B64-C@3.0	Soil	8/15/2019 5:35:00 PM	8/16/2019	8/29/2019
N037035-058A	B65-A@0.5	Soil	8/15/2019 5:25:00 PM	8/16/2019	8/29/2019
N037035-059A	B65-A@1.5	Soil	8/15/2019 5:27:00 PM	8/16/2019	8/29/2019
N037035-060A	B65-A@3.0	Soil	8/15/2019 5:29:00 PM	8/16/2019	8/29/2019
N037035-061A	TB-20190815	Aqueous	8/15/2019 6:00:00 PM	8/16/2019	8/29/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B10-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 3:16:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B			**EPA 6010B**			
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	120	1.0		mg/Kg	1	8/22/2019 06:29 PM
TOTAL METALS BY ICPMS						
EPA 3050B			**EPA 6020**			
RunID: NV00922-ICP8_190820A	QC Batch: 75058			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	12	0.50		mg/Kg	1	8/20/2019 03:06 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B10-B@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 3:07:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B			**EPA 6010B**			
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	130	1.0		mg/Kg	1	8/22/2019 06:35 PM
TOTAL METALS BY ICPMS						
EPA 3050B			**EPA 6020**			
RunID: NV00922-ICP8_190820A	QC Batch: 75058			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	8.3	0.50		mg/Kg	1	8/20/2019 03:11 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B23-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 2:08:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	8.2	1.0		mg/Kg	1	8/22/2019 06:48 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	3.2	0.50		mg/Kg	1	8/20/2019 03:15 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B24-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 2:24:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	130	1.0		mg/Kg	1	8/22/2019 06:53 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	5.5	0.50		mg/Kg	1	8/20/2019 03:20 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B24-B@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 2:42:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	33	1.0		mg/Kg	1	8/22/2019 06:59 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	3.9	0.50		mg/Kg	1	8/20/2019 03:25 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B27-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 10:15:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	210	1.0		mg/Kg	1	8/22/2019 07:04 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	7.9	0.50		mg/Kg	1	8/20/2019 03:29 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B29-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 10:25:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	55	1.0		mg/Kg	1	8/22/2019 07:09 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	6.9	0.50		mg/Kg	1	8/20/2019 03:34 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B32-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 10:45:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-022		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	110	1.0		mg/Kg	1	8/22/2019 07:15 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	5.1	0.50		mg/Kg	1	8/20/2019 03:38 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B34-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 12:10:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-025		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3546			**EPA 8081A**		
RunID: NV00922-GC8_190823A	QC Batch: 75069			PrepDate:	8/19/2019	Analyst: **PL**
4,4´-DDD	ND	2.0		µg/Kg	1	8/23/2019 11:04 AM
4,4´-DDE	10	2.0		µg/Kg	1	8/23/2019 11:04 AM
4,4´-DDT	ND	2.0		µg/Kg	1	8/23/2019 11:04 AM
Chlordane	35	8.5		µg/Kg	1	8/23/2019 11:04 AM
Surr: Tetrachloro-m-xylene	90.1	24-109		%REC	1	8/23/2019 11:04 AM
Surr: Decachlorobiphenyl	79.3	23-115		%REC	1	8/23/2019 11:04 AM
TOTAL METALS BY ICP						
	EPA 3050B			**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	24	1.0		mg/Kg	1	8/22/2019 07:20 PM
TOTAL METALS BY ICPMS						
	EPA 3050B			**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	4.6	0.50		mg/Kg	1	8/20/2019 03:43 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B34-A@1.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 12:14:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC8_190823A	QC Batch: 75069				PrepDate: 8/19/2019	Analyst: **PL**
4,4´-DDD	ND	2.0		µg/Kg	1	8/23/2019 11:27 AM
4,4´-DDE	2.7	2.0		µg/Kg	1	8/23/2019 11:27 AM
4,4´-DDT	ND	2.0		µg/Kg	1	8/23/2019 11:27 AM
Chlordane	150	8.5		µg/Kg	1	8/23/2019 11:27 AM
Surr: Tetrachloro-m-xylene	91.4	24-109		%REC	1	8/23/2019 11:27 AM
Surr: Decachlorobiphenyl	79.8	23-115		%REC	1	8/23/2019 11:27 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B40-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 11:05:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-028		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	180	1.0		mg/Kg	1	8/22/2019 07:26 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	28	0.50		mg/Kg	1	8/20/2019 04:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B41-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 11:37:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-031		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	75	1.0		mg/Kg	1	8/22/2019 07:31 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	7.1	0.50		mg/Kg	1	8/20/2019 04:34 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B41-B@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 11:50:00 AM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-034		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	190	1.0		mg/Kg	1	8/22/2019 07:36 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	10	0.50		mg/Kg	1	8/20/2019 04:39 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B44-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 4:00:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-037		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	47	1.0		mg/Kg	1	8/22/2019 07:50 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	16	0.50		mg/Kg	1	8/20/2019 04:44 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B46-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 4:38:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-040		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B			**EPA 6010B**			
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	170	1.0		mg/Kg	1	8/22/2019 07:55 PM
TOTAL METALS BY ICPMS						
EPA 3050B			**EPA 6020**			
RunID: NV00922-ICP8_190820A	QC Batch: 75059			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	14	0.50		mg/Kg	1	8/20/2019 12:49 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B46-B@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 4:27:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-043		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B			**EPA 6010B**			
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	690	1.0		mg/Kg	1	8/22/2019 08:00 PM
TOTAL METALS BY ICPMS						
EPA 3050B			**EPA 6020**			
RunID: NV00922-ICP8_190820A	QC Batch: 75059			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	13	0.50		mg/Kg	1	8/20/2019 01:21 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B51-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 3:44:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-046		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	9.8	1.0		mg/Kg	1	8/22/2019 08:06 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75059			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	4.5	0.50		mg/Kg	1	8/20/2019 01:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B64-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 5:13:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-049		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	27	1.0		mg/Kg	1	8/22/2019 08:11 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75059				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	5.7	0.50		mg/Kg	1	8/20/2019 01:31 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B64-B@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 5:02:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-052		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B			**EPA 6010B**			
RunID: NV00922-ICP2_190822E	QC Batch: 75073			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	37	1.0		mg/Kg	1	8/22/2019 08:16 PM
TOTAL METALS BY ICPMS						
EPA 3050B			**EPA 6020**			
RunID: NV00922-ICP8_190820A	QC Batch: 75059			PrepDate:	8/19/2019	Analyst: **CEI**
Arsenic	6.0	0.50		mg/Kg	1	8/20/2019 01:35 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B64-C@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 5:31:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-055		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75074				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	32	1.0		mg/Kg	1	8/22/2019 08:29 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75059				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	6.8	0.50		mg/Kg	1	8/20/2019 01:40 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	B65-A@0.5
Lab Order:	N037035	**Collection Date:**	8/15/2019 5:25:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037035-058		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190827B	QC Batch: 75074				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	95	1.0		mg/Kg	1	8/27/2019 10:45 AM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75059				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	10	0.50		mg/Kg	1	8/20/2019 01:44 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N037035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-75073** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **PBS** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-75073** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **LCSS** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.099	1.0	25.00	0	100	80	120				

Sample ID: **N037034-001A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **ZZZZZZ** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489102**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	101.537	1.0	24.89	94.88	26.7	75	125				S

Sample ID: **N037034-001A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **ZZZZZZ** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	101.618	1.0	25.04	94.88	26.9	75	125	101.5	0.0800	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-75074**	SampType: **MBLK**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **8/20/2019**	RunNo: **136019**
Client ID: **PBS**	Batch ID: **75074**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **8/22/2019**	SeqNo: **3489127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-75074**	SampType: **LCS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **8/20/2019**	RunNo: **136019**
Client ID: **LCSS**	Batch ID: **75074**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **8/22/2019**	SeqNo: **3489128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.430	1.0	25.00	0	102	80	120				

Sample ID: **N037035-055A-MS**	SampType: **MS**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **8/20/2019**	RunNo: **136114**
Client ID: **ZZZZZZ**	Batch ID: **75074**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **8/27/2019**	SeqNo: **3493139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.550	1.0	25.00	31.81	75.0	75	125				S

Sample ID: **N037035-055A-MSD**	SampType: **MSD**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **8/20/2019**	RunNo: **136114**
Client ID: **ZZZZZZ**	Batch ID: **75074**	TestNo: **EPA 6010B**	**EPA 3050B**	Analysis Date: **8/27/2019**	SeqNo: **3493140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	50.236	1.0	24.89	50.55	-1.26	75	125	50.55	0.623	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-75058** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **PBS** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									

Sample ID: **LCS-75058** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **LCSS** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.259	0.50	5.000	0	105	85	115				

Sample ID: **N037029-003A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **ZZZZZZ** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.507	2.5	5.013	5.936	111	75	125				

Sample ID: **N037029-003A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **ZZZZZZ** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.270	2.5	5.020	5.936	106	75	125	11.51	2.09	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-75059**	SampType: **MBLK**	TestCode: **6020_S_PPM**	Units: **mg/Kg**	Prep Date: **8/19/2019**	RunNo: **135948**
Client ID: **PBS**	Batch ID: **75059**	TestNo: **EPA 6020**	**EPA 3050B**	Analysis Date: **8/20/2019**	SeqNo: **3484716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									

Sample ID: **LCS-75059**	SampType: **LCS**	TestCode: **6020_S_PPM**	Units: **mg/Kg**	Prep Date: **8/19/2019**	RunNo: **135948**
Client ID: **LCSS**	Batch ID: **75059**	TestNo: **EPA 6020**	**EPA 3050B**	Analysis Date: **8/20/2019**	SeqNo: **3484717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.156	0.50	5.000	0	103	85	115				

Sample ID: **N037035-040A-MS**	SampType: **MS**	TestCode: **6020_S_PPM**	Units: **mg/Kg**	Prep Date: **8/19/2019**	RunNo: **135948**
Client ID: **ZZZZZZ**	Batch ID: **75059**	TestNo: **EPA 6020**	**EPA 3050B**	Analysis Date: **8/20/2019**	SeqNo: **3484726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	13.853	0.50	4.990	13.71	2.79	75	125				S

Sample ID: **N037035-040A-MSD**	SampType: **MSD**	TestCode: **6020_S_PPM**	Units: **mg/Kg**	Prep Date: **8/19/2019**	RunNo: **135948**
Client ID: **ZZZZZZ**	Batch ID: **75059**	TestNo: **EPA 6020**	**EPA 3050B**	Analysis Date: **8/20/2019**	SeqNo: **3484727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	14.032	0.50	5.005	13.71	6.37	75	125	13.85	1.28	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-75069_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **8/19/2019** RunNo: **136031**
Client ID: **LCSS** Batch ID: **75069** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **8/23/2019** SeqNo: **3489750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	16.100	2.0	16.67	0	96.6	57	132				
4,4´-DDE	15.570	2.0	16.67	0	93.4	52	129				
4,4´-DDT	15.863	2.0	16.67	0	95.2	57	131				
Surr: Tetrachloro-m-xylene	17.737		16.67		106	24	109				
Surr: Decachlorobiphenyl	15.391		16.67		92.3	23	115				

Sample ID: **MB-75069** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **8/19/2019** RunNo: **136031**
Client ID: **PBS** Batch ID: **75069** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **8/23/2019** SeqNo: **3489751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	16.163		16.67		97.0	24	109				
Surr: Decachlorobiphenyl	15.599		16.67		93.6	23	115				

Sample ID: **N037035-026B-MS_** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **8/19/2019** RunNo: **136031**
Client ID: **ZZZZZZ** Batch ID: **75069** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **8/23/2019** SeqNo: **3489755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	16.286	2.0	16.75	0	97.2	57	132				
4,4´-DDE	19.607	2.0	16.75	2.702	101	52	129				
4,4´-DDT	16.683	2.0	16.75	1.562	90.3	57	131				
Surr: Tetrachloro-m-xylene	13.914		16.75		83.1	24	109				
Surr: Decachlorobiphenyl	13.981		16.75		83.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037035
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID:	**N037035-026B-MSD**	SampType:	**MSD**	TestCode:	**8081SOIL_M**	Units:	**µg/Kg**	Prep Date:	**8/19/2019**	RunNo:	**136031**		
Client ID:	**ZZZZZZ**	Batch ID:	**75069**	TestNo:	**EPA 8081A**		**EPA 3546**	Analysis Date:	**8/23/2019**	SeqNo:	**3489756**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.348	2.0	16.63	0	92.3	57	132	16.29	5.93	20	
4,4´-DDE	18.503	2.0	16.63	2.702	95.0	52	129	19.61	5.80	20	
4,4´-DDT	15.324	2.0	16.63	1.562	82.8	57	131	16.68	8.49	20	
Surr: Tetrachloro-m-xylene	14.598		16.63		87.8	24	109		0		
Surr: Decachlorobiphenyl	13.126		16.63		79.0	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

N037035

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number: 650 #s: 7831/7832

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

3.8°C / 2.5°C water

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								
B10-A@0.5	8-15-19	1516	1	Soil	X	X										N037035-01
B10-A@1.5		1518														ON HOLD -02
B10-A@3.6		1520														ON HOLD -03
B10-B@0.5		1507			X	X										-04
B10-B@1.5		1509														ON HOLD -05
B10-B@3.6		1511														ON HOLD -06
B23-A@0.5		1408			X	X										-07
B23-A@1.5		1410														ON HOLD -08
B23-A@3.6		1412														ON HOLD -09

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	8-16-19	1115	Ani Karla Sevilla	8/16/19	1115
Ani Karla Sevilla	8/16/19	1215		8/16/19	1215
	8/16/19	1800	Yeasin Rodriguez	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number: 6501 #s 7831/7832

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

3.8°C / 2.5°C Diff 2

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								
B24-AQ0.5	8-15-19	1424	1	Soil	X	X										N037035-10
B24-AQ1.5		1427														ON HOLD -11
B24-AQ3.0		1429														ON HOLD -12
B24-BQ0.5		1442			X	X										-13
B24-BQ1.5		1446														ON HOLD -14
B24-BQ3.0		1448														ON HOLD -15
B27-AQ0.5		1015			X	X										-16
B27-AQ1.5		1018														ON HOLD -17
B27-AQ3.0		1020														ON HOLD -18

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	8-16-19	1115	Karla Sevilla	8/16/19	1115
Karla Sevilla	8/16/19	1215		8/16/19	1215
	8/16/19	1800		8/17/19	8:45

SPECIAL INSTRUCTIONS:

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number: 650 #s: 7831/7832 3.8°C/2.5°C

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								Notes	
B29-AG0.5	8-15-19	1025	1	Soil	X	X											N037035-19
B29-AG1.5		1027	1													ON HOLD	-20
B29-AG3.0		1031	1													ON HOLD	-21
B32-AG0.5		1045	1		X	X											-22
B32-AG1.5		1047	1													ON HOLD	-23
B32-AG3.0		1049	1													ON HOLD	-24
B34-AG0.5		1210	2		X	X		X									-25
B34-AG1.5		1214	2					X									-26
B34-AG3.0		1228	2													ON HOLD	-27

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	8-16-19	1115	Karla Sevilla	8/16/19	1115
Karla Sevilla	8/16/19	1215	EMIL	8/16/19	1215
EAR	8/16/19	1600	Yoandra Reguera	8/17/19	8:45am

SPECIAL INSTRUCTIONS:

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436
Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Notes: 650 Hrs: 7831/7832
OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
3.8°C/2.5°C Int#2

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								Notes
B40-A@0.5	8-15-19	1105	1	Soil	X	X										N037035-28
B40-A@1.5		1108														ON HOLD -29
B40-A@3.0		1110														ON HOLD -30
B41-A@0.5		1137			X	X										-31
B41-A@1.5		1142														ON HOLD -32
B41-A@3.0		1145														ON HOLD -33
B41-B@0.5		1150			X	X										-34
B41-B@1.5		1153														ON HOLD -35
B41-B@3.0		1156														ON HOLD -36

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	8.16.19	1115	[signature] Karla Sevilla	8/16/19	1115
[signature] Karla Sevilla	8/16/19	1215	[signature]	8/16/19	1215
[signature] EAR	8/16/19	1800	Yolanda Reyes	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number: 650 #s: 7831/7832

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

3.8°C/2.5°C pH#2

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	OCPs by EPA 8081A									
B44-AG0.5	8-15-19	1600		Soil	X	X										N037035-37
B44-AG1.5		1605														ON HOLD -38
B44-AG3.0		1610														ON HOLD -39
B46-AG0.5		1638			X	X										-40
B46-AG1.5		1640														ON HOLD -41
B46-AG3.0		1642														ON HOLD -42
B46-BG0.5		1627			X	X										-43
B46-BG1.5		1629														ON HOLD -44
B46-BG3.0		1631														ON HOLD -45

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	8-16-19	1115	Ali Karla Sevilla	8/16/19	1115
Ali Karla Sevilla	8/16/19	1215		8/16/19	1215
	8/16/19	1800	Joaquin Rodriguez	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436
Shipment Method:
Air Bill Number: 650 #s: 7831/7832

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
					--	--	--	--	--	--						
B51-AG0.5	8-15-19	1544	1	Soil	X	X										N037035-46
B51-AG1.5		1546														ON HOLD -47
B51-AG3.0		1548														ON HOLD -48
B64-AG0.5		1713			X	X										-49
B64-AG1.5		1716														ON HOLD -50
B64-AG3.0		1719														ON HOLD -51
B64-BG0.5		1702			X	X										-52
B64-BG1.5		1706														ON HOLD -53
B64-BG3.0		1708														ON HOLD -54

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	8-16-19	1115	Ari Karla Sevilla	8/16/19	1115
Ari Karla Sevilla	8/16/19	1215		8/16/19	1215
	8/16/19	1300	Joanna R Agnus	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436

Shipment Method:
Air Bill Number: 650 #s: 7831/7832

3-8°C/2.5°C

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								
B64-C@0.5	8-15-19	1731	1	Soil	X	X										N037035-55
B64-C@1.5		1733														ON HOLD -56
B64-C@3.0		1735														ON HOLD -57
B65-A@0.5		1725			X	X										-58
B65-A@1.5		1727														ON HOLD -59
B65-A@3.0		1729														ON HOLD -60
TB-20190815	8-15-19	1800	4	AQ												ON HOLD -61

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
James Ramos	8-16-19	1115	Karla Sevilla	8/16/19	1115
Karla Sevilla	8/16/19	1215		8/16/19	1215
			Yesenia Rodriguez	8/17/19	8:45am

SPECIAL INSTRUCTIONS:

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	8/16/2019	Workorder:	N037035
Rep sample Temp (Deg C):	3.8/2.5	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7831/7832	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☑	No ☐	NA ☐
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 8/20/2019

Reviewed By: 8/23/2019

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037035-001A	B10-A@0.5	8/15/2019 3:16:00 PM	8/23/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-002A	B10-A@1.5	8/15/2019 3:18:00 PM					☐	☐	☐	WS
N037035-003A	B10-A@3.0	8/15/2019 3:20:00 PM					☐	☐	☐	WS
N037035-004A	B10-B@0.5	8/15/2019 3:07:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-005A	B10-B@1.5	8/15/2019 3:09:00 PM					☐	☐	☐	WS
N037035-006A	B10-B@3.0	8/15/2019 3:11:00 PM					☐	☐	☐	WS
N037035-007A	B23-A@0.5	8/15/2019 2:08:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-008A	B23-A@1.5	8/15/2019 2:10:00 PM					☐	☐	☐	WS
N037035-009A	B23-A@3.0	8/15/2019 2:12:00 PM					☐	☐	☐	WS
N037035-010A	B24-A@0.5	8/15/2019 2:24:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037035-011A	B24-A@1.5	8/15/2019 2:27:00 PM		Soil			☐	☐	☐	WS
N037035-012A	B24-A@3.0	8/15/2019 2:29:00 PM					☐	☐	☐	WS
N037035-013A	B24-B@0.5	8/15/2019 2:42:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-014A	B24-B@1.5	8/15/2019 2:46:00 PM					☐	☐	☐	WS
N037035-015A	B24-B@3.0	8/15/2019 2:48:00 PM					☐	☐	☐	WS
N037035-016A	B27-A@0.5	8/15/2019 10:15:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-017A	B27-A@1.5	8/15/2019 10:18:00 AM					☐	☐	☐	WS
N037035-018A	B27-A@3.0	8/15/2019 10:20:00 AM					☐	☐	☐	WS
N037035-019A	B29-A@0.5	8/15/2019 10:25:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-020A	B29-A@1.5	8/15/2019 10:27:00 AM					☐	☐	☐	WS
N037035-021A	B29-A@3.0	8/15/2019 10:31:00 AM					☐	☐	☐	WS
N037035-022A	B32-A@0.5	8/15/2019 10:45:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037035-022A	B32-A@0.5	8/15/2019 10:45:00 AM	8/23/2019	Soil	EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-023A	B32-A@1.5	8/15/2019 10:47:00 AM					☐	☐	☐	WS
N037035-024A	B32-A@3.0	8/15/2019 10:49:00 AM					☐	☐	☐	WS
N037035-025A	B34-A@0.5	8/15/2019 12:10:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-025B			8/23/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N037035-026A	B34-A@1.5	8/15/2019 12:14:00 PM					☐	☐	☐	WS
N037035-026B			8/23/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N037035-027A	B34-A@3.0	8/15/2019 12:28:00 PM					☐	☐	☐	WS
N037035-027B							☐	☐	☐	WS
N037035-028A	B40-A@0.5	8/15/2019 11:05:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-029A	B40-A@1.5	8/15/2019 11:08:00 AM					☐	☐	☐	WS
N037035-030A	B40-A@3.0	8/15/2019 11:10:00 AM					☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037035-031A	B41-A@0.5	8/15/2019 11:37:00 AM	8/23/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-032A	B41-A@1.5	8/15/2019 11:42:00 AM					☐	☐	☐	WS
N037035-033A	B41-A@3.0	8/15/2019 11:45:00 AM					☐	☐	☐	WS
N037035-034A	B41-B@0.5	8/15/2019 11:50:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-035A	B41-B@1.5	8/15/2019 11:53:00 AM					☐	☐	☐	WS
N037035-036A	B41-B@3.0	8/15/2019 11:56:00 AM					☐	☐	☐	WS
N037035-037A	B44-A@0.5	8/15/2019 4:00:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-038A	B44-A@1.5	8/15/2019 4:05:00 PM					☐	☐	☐	WS
N037035-039A	B44-A@3.0	8/15/2019 4:10:00 PM					☐	☐	☐	WS
N037035-040A	B46-A@0.5	8/15/2019 4:38:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037035-041A	B46-A@1.5	8/15/2019 4:40:00 PM		Soil			☐	☐	☐	WS
N037035-042A	B46-A@3.0	8/15/2019 4:42:00 PM					☐	☐	☐	WS
N037035-043A	B46-B@0.5	8/15/2019 4:27:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-044A	B46-B@1.5	8/15/2019 4:29:00 PM					☐	☐	☐	WS
N037035-045A	B46-B@3.0	8/15/2019 4:31:00 PM					☐	☐	☐	WS
N037035-046A	B51-A@0.5	8/15/2019 3:44:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-047A	B51-A@1.5	8/15/2019 3:46:00 PM					☐	☐	☐	WS
N037035-048A	B51-A@3.0	8/15/2019 3:48:00 PM					☐	☐	☐	WS
N037035-049A	B64-A@0.5	8/15/2019 5:13:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-050A	B64-A@1.5	8/15/2019 5:16:00 PM					☐	☐	☐	WS
N037035-051A	B64-A@3.0	8/15/2019 5:19:00 PM					☐	☐	☐	WS
N037035-052A	B64-B@0.5	8/15/2019 5:02:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037035

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037035-052A	B64-B@0.5	8/15/2019 5:02:00 PM	8/23/2019	Soil	EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-053A	B34-B@1.5	8/15/2019 5:06:00 PM					☐	☐	☐	WS
N037035-054A	B34-B@3.0	8/15/2019 5:08:00 PM					☐	☐	☐	WS
N037035-055A	B64-C@0.5	8/15/2019 5:31:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-056A	B64-C@1.5	8/15/2019 5:33:00 PM					☐	☐	☐	WS
N037035-057A	B64-C@3.0	8/15/2019 5:35:00 PM					☐	☐	☐	WS
N037035-058A	B65-A@0.5	8/15/2019 5:25:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037035-059A	B65-A@1.5	8/15/2019 5:27:00 PM					☐	☐	☐	WS
N037035-060A	B65-A@3.0	8/15/2019 5:29:00 PM					☐	☐	☐	WS
N037035-061A	TB-20190815	8/15/2019 6:00:00 PM		Aqueous			☐	☐	☐	VW
N037035-062A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	☐	☐	☐	LAB
			8/23/2019		Folder	Folder	☐	☐	☐	LAB

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Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545877831

SDS

LAS VEGAS

C89102A

7247279

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 2 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

3.8°C
JM #2

GSO GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877832

SDS

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: $0.00
Weight: 0 lb(s)
Reference:

C89102A

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

7247280

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

2.5°C
box # 2.

August 29, 2019

Hamidou Barry
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N037034

RE: PEA-E: Abraham Lincoln High School, 12-020-07

Attention: Hamidou Barry

Enclosed are the results for sample(s) received on August 16, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Andrew Garaniel
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037034

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Sample was analyzed within method holding time.

Analytical Comment For 6010B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *29-Aug-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037034
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N037034-001A	QC-8@0.5	Soil	8/15/2019	8/16/2019	8/29/2019
N037034-002A	QC-10	Soil	8/15/2019	8/16/2019	8/29/2019
N037034-003A	QC-11@0.5	Soil	8/15/2019	8/16/2019	8/29/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-8@0.5
Lab Order:	N037034	**Collection Date:**	8/15/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037034-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	95	1.0		mg/Kg	1	8/22/2019 05:58 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	13	0.50		mg/Kg	1	8/20/2019 02:48 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-10
Lab Order:	N037034	**Collection Date:**	8/15/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037034-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC8_190823A	QC Batch: 75069				PrepDate: 8/19/2019	Analyst: **PL**
4,4´-DDD	ND	2.0		µg/Kg	1	8/23/2019 10:42 AM
4,4´-DDE	4.0	2.0		µg/Kg	1	8/23/2019 10:42 AM
4,4´-DDT	ND	2.0		µg/Kg	1	8/23/2019 10:42 AM
Chlordane	230	8.5		µg/Kg	1	8/23/2019 10:42 AM
Surr: Tetrachloro-m-xylene	98.9	24-109		%REC	1	8/23/2019 10:42 AM
Surr: Decachlorobiphenyl	92.2	23-115		%REC	1	8/23/2019 10:42 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	QC-11@0.5
Lab Order:	N037034	**Collection Date:**	8/15/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N037034-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP						
EPA 3050B				**EPA 6010B**		
RunID: NV00922-ICP2_190822E	QC Batch: 75073				PrepDate: 8/20/2019	Analyst: **CEI**
Lead	19	1.0		mg/Kg	1	8/22/2019 06:24 PM
TOTAL METALS BY ICPMS						
EPA 3050B				**EPA 6020**		
RunID: NV00922-ICP8_190820A	QC Batch: 75058				PrepDate: 8/19/2019	Analyst: **CEI**
Arsenic	5.6	0.50		mg/Kg	1	8/20/2019 03:02 PM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N037034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-75073** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **PBS** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-75073** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **LCSS** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.099	1.0	25.00	0	100	80	120				

Sample ID: **N037034-001A-MS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **ZZZZZZ** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489102**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	101.537	1.0	24.89	94.88	26.7	75	125				S

Sample ID: **N037034-001A-MSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **8/20/2019** RunNo: **136019**
Client ID: **ZZZZZZ** Batch ID: **75073** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **8/22/2019** SeqNo: **3489103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	101.618	1.0	25.04	94.88	26.9	75	125	101.5	0.0800	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_S_PPM

Sample ID: **MB-75058** SampType: **MBLK** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **PBS** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									

Sample ID: **LCS-75058** SampType: **LCS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **LCSS** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.259	0.50	5.000	0	105	85	115				

Sample ID: **N037029-003A-MS** SampType: **MS** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **ZZZZZZ** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.507	2.5	5.013	5.936	111	75	125				

Sample ID: **N037029-003A-MSD** SampType: **MSD** TestCode: **6020_S_PPM** Units: **mg/Kg** Prep Date: **8/19/2019** RunNo: **135948**
Client ID: **ZZZZZZ** Batch ID: **75058** TestNo: **EPA 6020** **EPA 3050B** Analysis Date: **8/20/2019** SeqNo: **3484742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.270	2.5	5.020	5.936	106	75	125	11.51	2.09	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-75069_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **8/19/2019** RunNo: **136031**
Client ID: **LCSS** Batch ID: **75069** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **8/23/2019** SeqNo: **3489750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	16.100	2.0	16.67	0	96.6	57	132				
4,4´-DDE	15.570	2.0	16.67	0	93.4	52	129				
4,4´-DDT	15.863	2.0	16.67	0	95.2	57	131				
Surr: Tetrachloro-m-xylene	17.737		16.67		106	24	109				
Surr: Decachlorobiphenyl	15.391		16.67		92.3	23	115				

Sample ID: **MB-75069** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **8/19/2019** RunNo: **136031**
Client ID: **PBS** Batch ID: **75069** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **8/23/2019** SeqNo: **3489751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	16.163		16.67		97.0	24	109				
Surr: Decachlorobiphenyl	15.599		16.67		93.6	23	115				

Sample ID: **N037035-026B-MS_** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **8/19/2019** RunNo: **136031**
Client ID: **ZZZZZZ** Batch ID: **75069** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **8/23/2019** SeqNo: **3489755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	16.286	2.0	16.75	0	97.2	57	132				
4,4´-DDE	19.607	2.0	16.75	2.702	101	52	129				
4,4´-DDT	16.683	2.0	16.75	1.562	90.3	57	131				
Surr: Tetrachloro-m-xylene	13.914		16.75		83.1	24	109				
Surr: Decachlorobiphenyl	13.981		16.75		83.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037034
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID:	**N037035-026B-MSD**	SampType:	**MSD**	TestCode:	**8081SOIL_M**	Units:	**µg/Kg**	Prep Date:	**8/19/2019**	RunNo:	**136031**		
Client ID:	**ZZZZZZ**	Batch ID:	**75069**	TestNo:	**EPA 8081A**		**EPA 3546**	Analysis Date:	**8/23/2019**	SeqNo:	**3489756**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.348	2.0	16.63	0	92.3	57	132	16.29	5.93	20	
4,4´-DDE	18.503	2.0	16.63	2.702	95.0	52	129	19.61	5.80	20	
4,4´-DDT	15.324	2.0	16.63	1.562	82.8	57	131	16.68	8.49	20	
Surr: Tetrachloro-m-xylene	14.598		16.63		87.8	24	109		0		
Surr: Decachlorobiphenyl	13.126		16.63		79.0	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

N037034

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:
Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) James Ramos, Hamidou Barry
Sampler's Signature:

Report To:
Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com
Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To:
Alisto Engineering Group

Samples Submitted To:
Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax: (562)219-7436
Shipment Method:
Air Bill Number: 650 #: 7832

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

2.5°C ice #2

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A								Notes
					—	—	—	—	—	—						
BC-8 @ 0.5	8-15-19		1	Soil	X	X										N037034-01
BC-10			1					X								-02
BC-11 @ 0.5			1		X	X										-03

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	8/16/19	1115	Karla Sevilla	8/16/19	1115
Karla Sevilla	8/16/19	1215	EMR R.	8/16/19	1215
EMR	8/16/19	1800	Yolanda Rodriguez	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	8/16/2019	Workorder:	N037034
Rep sample Temp (Deg C):	2.5	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7832	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☐	No ☐	NA ☑
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 8/20/2019

Reviewed By: 8/23/2019

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037034

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037034-001A	QC-8@0.5	8/15/2019	8/23/2019	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037034-002A	QC-10		8/23/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
N037034-003A	QC-11@0.5		8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WS
N037034-004A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	☐	☐	☐	LAB
			8/23/2019		Folder	Folder	☐	☐	☐	LAB

GSO GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877832

SDS

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: $0.00
Weight: 0 lb(s)
Reference:

C89102A

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

7247280

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

2.5°C
box # 2.

August 29, 2019

Hamidou Barry
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N037033

RE: PEA-E: Abraham Lincoln High School, 12-020-07

Attention: Hamidou Barry

Enclosed are the results for sample(s) received on August 16, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Andrew Garaniel
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N037033
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Sample was analyzed within method holding time.

Analytical Comment For 6020:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Arsenic possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *29-Aug-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037033
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N037033-001A	Equipment Blank 4	Water	8/15/2019 1:45:00 PM	8/16/2019	8/29/2019
N037033-001B	Equipment Blank 4	Water	8/15/2019 1:45:00 PM	8/16/2019	8/29/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	Equipment Blank 4
Lab Order:	N037033	**Collection Date:**	8/15/2019 1:45:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	WATER
Lab ID:	N037033-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: NV00922-GC8_190822B	QC Batch: 75068			PrepDate:	8/19/2019	Analyst: **PL**
4,4´-DDD	ND	0.050		µg/L	1	8/22/2019 09:03 PM
4,4´-DDE	ND	0.050		µg/L	1	8/22/2019 09:03 PM
4,4´-DDT	ND	0.050		µg/L	1	8/22/2019 09:03 PM
Chlordane	ND	0.25		µg/L	1	8/22/2019 09:03 PM
Surr: Tetrachloro-m-xylene	110	28-113		%REC	1	8/22/2019 09:03 PM
Surr: Decachlorobiphenyl	65.7	34-124		%REC	1	8/22/2019 09:03 PM
TOTAL METALS BY ICP						
EPA 3010A				**EPA 6010B**		
RunID: NV00922-ICP2_190822B	QC Batch: 75079			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	ND	0.0050		mg/L	1	8/22/2019 10:08 AM
TOTAL METALS BY ICPMS						
EPA 3010A				**EPA 6020**		
RunID: NV00922-ICP7_190824B	QC Batch: 75123			PrepDate:	8/23/2019	Analyst: **CEI**
Arsenic	ND	0.10		µg/L	1	8/24/2019 05:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N037033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-75079** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **PBW** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.0050									

Sample ID: **LCS-75079** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **LCSW** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.508	0.0050	0.5000	0	102	85	115				

Sample ID: **N037030-010C-MS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **ZZZZZZ** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.417	0.0050	0.5000	0	83.4	75	125				

Sample ID: **N037030-010C-MSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **ZZZZZZ** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.422	0.0050	0.5000	0	84.3	75	125	0.4170	1.10	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W

Sample ID: **MB-75123**	SampType: **MBLK**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **PBW**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.10									

Sample ID: **LCS-75123**	SampType: **LCS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **LCSW**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.190	0.10	10.00	0	102	85	115				

Sample ID: **N037033-001A-MS**	SampType: **MS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **ZZZZZZ**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20.455	0.10	10.00	0	205	75	125				S

Sample ID: **N037033-001A-MSD**	SampType: **MSD**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **ZZZZZZ**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20.780	0.10	10.00	0	208	75	125	20.45	1.58	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081WATER

Sample ID: **LCS-75068_OCP** SampType: **LCS** TestCode: **8081WATER** Units: **µg/L** Prep Date: **8/19/2019** RunNo: **136011**
Client ID: **LCSW** Batch ID: **75068** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/22/2019** SeqNo: **3488389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.472	0.050	0.5000	0	94.4	62	137				
4,4´-DDE	0.446	0.050	0.5000	0	89.2	58	131				
4,4´-DDT	0.464	0.050	0.5000	0	92.8	58	137				
Surr: Tetrachloro-m-xylene	0.329		0.5000		65.9	28	113				
Surr: Decachlorobiphenyl	0.425		0.5000		84.9	34	124				

Sample ID: **LCSD-75068_OCP** SampType: **LCSD** TestCode: **8081WATER** Units: **µg/L** Prep Date: **8/19/2019** RunNo: **136011**
Client ID: **LCSS02** Batch ID: **75068** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/22/2019** SeqNo: **3488390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.421	0.050	0.5000	0	84.3	62	137	0.4718	11.3	20	
4,4´-DDE	0.398	0.050	0.5000	0	79.6	58	131	0.4458	11.3	20	
4,4´-DDT	0.403	0.050	0.5000	0	80.6	58	137	0.4641	14.1	20	
Surr: Tetrachloro-m-xylene	0.270		0.5000		54.1	28	113		0		
Surr: Decachlorobiphenyl	0.376		0.5000		75.2	34	124		0		

Sample ID: **MB-75068** SampType: **MBLK** TestCode: **8081WATER** Units: **µg/L** Prep Date: **8/19/2019** RunNo: **136011**
Client ID: **PBW** Batch ID: **75068** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/22/2019** SeqNo: **3488391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Chlordane	ND	0.25									
Surr: Tetrachloro-m-xylene	0.338		0.5000		67.6	28	113				
Surr: Decachlorobiphenyl	0.373		0.5000		74.5	34	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

N037033

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax:

Shipment Method:
Air Bill Number: 650 #s: 7830/7831

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	OCPs by EPA 8081A									
					---	---	---	---	---	---						
Equipment Blank 4	8/15/19	1345	2	Water	X	X	X									N037033-01
[redacted]				[redacted]												

1.7°C / 3.8°C IR# 2

Notes: OCPs by EPA Method 8081A Chlordane and DDE/DDT/DDD

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	8-16-19	1115	[signature] Karla Sevilla	8/16/19	1115
Karla Sevilla	8/16/19	1215	[signature]	8/16/19	1215
[signature] EAR	8/16/19	1800	Joandra Rodriguez	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	8/16/2019	Workorder:	N037033
Rep sample Temp (Deg C):	1.7/3.8	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7830/7831	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 8/20/2019

Reviewed By: 8/23/2019

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037033-001A	Equipment Blank 4	8/15/2019 1:45:00 PM	8/23/2019	Water	EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			8/23/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WW
N037033-001B			8/23/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	☐	☐	☐	WW
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WW
N037033-002A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	☐	☐	☐	LAB
			8/23/2019		Folder	Folder	☐	☐	☐	LAB

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MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
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Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545877830

SDS

LAS VEGAS

C89102A

7247278

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
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TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

1.7°C
Jn #2

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Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545877831

SDS

LAS VEGAS

C89102A

7247279

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 2 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

3.8°C
JM #2

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

03 September 2019

Hamidou Barry

Alisto Engineering Group

2737 North Main Street, Suite 200

Walnut Creek, CA 94597

Work Order #: 1908139

Project Name: PEA-E : Abraham Lincoln High School

Project ID: 12-020-07

Site Address: 3501 North Broadway, Los Angeles, CA

Enclosed are the results of analyses for samples received by the laboratory on August 16, 2019. If you have any questions concerning this report, please feel free to contact us.

Rojert G. Araghi

Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies , omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

ASL JOB # 1908139

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print)
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com
Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: ~~Asset Laboratories~~ American Scientific Labs
Address: ~~11110 Artesia Blvd. Suite B, Cerritos, CA 90703~~
Contact: ~~Marianne Santos~~ Andre Balanji
marianne@assetlaboratories.com
~~Phone: (562) 219-7435~~
andre@asllab.com
Cell: 323 223 9700
~~Fax: (562)219-7436~~
Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M GRO/DRO/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD — Lab. I.D.
					---	---	---	---	---	---						
B68Q1.0	8-16-19	1148	1	Soil	X	X		X			X	X				1908139-01
B68Q5.0		1151			X	X		X			X	X				1908139-02
B68Q10.		1154														On Hold
B68Q15		1157														On Hold
B69Q1.0		0950			X	X		X			X	X				1908139-03
B69Q5.0		1005			X	X		X			X	X				1908139-04
B69Q10		1016														On Hold
B69Q15		1014														On Hold

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
James Ramos	8-16-19	15:25	Janet Chin	8-16-19	15:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

ASL JOB# 1908139

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print)
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: ~~Asset Laboratories~~
Address: ~~11110 Artesia Blvd. Suite B, Cerritos, CA 90703~~
Contact: ~~Marianne Santos~~
~~marianne@assetlaboratories.com~~
Phon ~~(562) 219-7435~~
Cell:
Fax: ~~(562)219-7436~~

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M GRO/DRO/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B				Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
					---	---	---	---	---	---						lab. I.D.
B 66G 1.0	8-16-19	1403	1	Soil	X	X	·	X			X	X				1908139-05
B66G 5.0		1405			X	X		X			X	X				1908139-06
B66G 10		1407						✓								~~ON HOLD~~ 1908139-14
B66G 15		1409														ON HOLD
B67G 1.0		1315			X	X		X			X	X				1908139-07
B67G 5.0		1319			X	X		X			X	X				1908139-08
B67G 10		1323														ON HOLD
JR ~~B67G 15~~																

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
James Ramos	8-16-19	15:25	Janet Chin	8-16-19	15:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abrahanm Lincoln HS - PEA-E

ASL JOB # 1908139

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print)
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: ~~Asset Laboratories~~
Address: ~~11110 Artesia Blvd. Suite B, Cerritos, CA 90703~~
Contact: ~~Marianne Santos~~ ~~marianne@assetlaboratories.com~~
Phone: ~~(562) 219-7435~~
Cell:
Fax: ~~(562)219-7436~~

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M GRO/DRO/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCLP	Lab. I.D.
					---	---	---	---	---	---						
B70Q10	8-16-19	1042	1	Soil	X	X		X			X	X				1908139-09
B70Q50		1046			X	X		X			X	X				1908139-10
B70Q16		1049														ON HOLD
B70Q15		1051														ON HOLD
B71Q10		1116			X	X		X			X	X				1908139-11
B71Q50		1120			X	X		X			X	X				1908139-12
B71Q10		1124														ON HOLD
B71Q15		1128														ON HOLD
QC-12	8/16/19		1	Soil	X	X		X			X	X				1908139-13
QC-13			1	Soil												ON HOLD

Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Jaimos Ramos	8/16/19	15:25	Janet Chin	8.16.19	15:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abrahamm Lincoln HS - PEA-E

Job# 1908139

ASL Sample Receipt Form

Client: Alisto Engineering Group

Date: 8-16-19

Sample Information:

Temperature: 4.5 °C ☐ Blank ☒ Sample

Custody Seal: ☐ Yes ☒ No ☐ Not Available

Received Within Holding Time: ☒ Yes ☐ No

Container:

Proper Containers and Sufficient Volume: ☒ Yes ☐ No

Soil: ☐ 4oz ☒ 8oz ☐ Sleeve ☐ VOA

Water: ☐ 500AG ☐ 1AG ☐ 125PB ☐ 250PB ☐ 500PB ☐ VOA ☐ Other _____

Air: ☐ Tedlar®

Sample Containers Intact: ☒ Yes ☐ No

Trip Blank ☐ Yes ☒ No

Chain-of-Custody (COC):

Received: ☒ Yes ☐ No

Samplers Name: ☒ Yes ☐ No

Container Labels match COC: ☒ Yes ☐ No

COC documents received complete: ☒ Yes ☐ No

Proper Preservation Noted: ☒ Yes ☐ No

Completed By: Janet Chin

American Scientific Laboratories, LLC
Environmental Testing Services
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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

ANALYTICAL SUMMARY REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B68@1.0	1908139-01	Solid	08/16/2019 11:48	08/16/2019 15:25
B68@5.0	1908139-02	Solid	08/16/2019 11:51	08/16/2019 15:25
B69@1.0	1908139-03	Solid	08/16/2019 09:50	08/16/2019 15:25
B69@5.0	1908139-04	Solid	08/16/2019 10:05	08/16/2019 15:25
B66@1.0	1908139-05	Solid	08/16/2019 14:03	08/16/2019 15:25
B66@5.0	1908139-06	Solid	08/16/2019 14:05	08/16/2019 15:25
B67@1.0	1908139-07	Solid	08/16/2019 13:15	08/16/2019 15:25
B67@5.0	1908139-08	Solid	08/16/2019 13:19	08/16/2019 15:25
B70@1.0	1908139-09	Solid	08/16/2019 10:42	08/16/2019 15:25
B70@5.0	1908139-10	Solid	08/16/2019 10:46	08/16/2019 15:25
B71@1.0	1908139-11	Solid	08/16/2019 11:16	08/16/2019 15:25
B71@5.0	1908139-12	Solid	08/16/2019 11:20	08/16/2019 15:25
QC-12	1908139-13	Solid	08/16/2019 00:00	08/16/2019 15:25
B66@10.0	1908139-14	Solid	08/16/2019 14:09	08/16/2019 15:25

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rojert G. Araghi, President/Lab Director

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Environmental Testing Services
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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B68@1.0

Laboratory Sample ID: 1908139-01 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**6.36**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90431		Prepared: 08/21/2019 10:15		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 18:22	ED	8015B
Surrogate: Bromofluorobenzene			*83.8 %*		*70-120*	5030A	08/21/2019 18:22	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/21/2019 17:23	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/21/2019 17:23	ED	8015B
Surrogate: Chlorobenzene			*98.2 %*		*70-120*	3550B	08/21/2019 17:23	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 16:02	AY	8082
Surrogate: Decachlorobiphenyl			*103 %*		*43-169*	3545	08/19/2019 16:02	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**73.7**		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B

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Rojert G. Araghi, President/Lab Director

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B68@1.0

Laboratory Sample ID: 1908139-01 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B

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Rojert G. Araghi, President/Lab Director

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B68@1.0

Laboratory Sample ID: 1908139-01 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:27	ED	8260B
Surrogate: 4-Bromofluorobenzene			*111 %*		*70-120*	5030A	08/21/2019 08:27	ED	*8260B*
Surrogate: Dibromofluoromethane			*106 %*		*70-120*	5030A	08/21/2019 08:27	ED	*8260B*
Surrogate: Toluene-d8			*101 %*		*70-120*	5030A	08/21/2019 08:27	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND	F1	4.98	mg/Kg	100	3050B	08/21/2019 18:50	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B68@5.0

Laboratory Sample ID: 1908139-02 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**14.8**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/20/2019 22:03	ED	8015B
Surrogate: Bromofluorobenzene			*111 %*		*70-120*	5030A	08/20/2019 22:03	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/21/2019 18:05	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/21/2019 18:05	ED	8015B
Surrogate: Chlorobenzene			*97.6 %*		*70-120*	3550B	08/21/2019 18:05	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 16:19	AY	8082

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B68@5.0

Laboratory Sample ID: 1908139-02 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Surrogate: Decachlorobiphenyl			*110 %*	*43-169*		3545	08/19/2019 16:19	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**138**		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B68@5.0

Laboratory Sample ID: 1908139-02 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 08:53	ED	8260B
Surrogate: 4-Bromofluorobenzene			*116 %*		*70-120*	5030A	08/21/2019 08:53	ED	*8260B*
Surrogate: Dibromofluoromethane			*104 %*		*70-120*	5030A	08/21/2019 08:53	ED	*8260B*
Surrogate: Toluene-d8			*101 %*		*70-120*	5030A	08/21/2019 08:53	ED	*8260B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B68@5.0

Laboratory Sample ID: 1908139-02 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.90	mg/Kg	100	3050B	08/21/2019 19:01	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B69@1.0

Laboratory Sample ID: 1908139-03 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**20.2**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/20/2019 22:26	ED	8015B
Surrogate: Bromofluorobenzene			*96.6 %*	*70-120*		5030A	08/20/2019 22:26	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/21/2019 20:13	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/21/2019 20:13	ED	8015B
Surrogate: Chlorobenzene			*98.8 %*	*70-120*		3550B	08/21/2019 20:13	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 16:37	AY	8082
Surrogate: Decachlorobiphenyl			*119 %*	*43-169*		3545	08/19/2019 16:37	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**62.5**		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B69@1.0

Laboratory Sample ID: 1908139-03 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B69@1.0

Laboratory Sample ID: 1908139-03 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:19	ED	8260B
Surrogate: 4-Bromofluorobenzene			*117 %*		*70-120*	5030A	08/21/2019 09:19	ED	*8260B*
Surrogate: Dibromofluoromethane			*98.3 %*		*70-120*	5030A	08/21/2019 09:19	ED	*8260B*
Surrogate: Toluene-d8			*101 %*		*70-120*	5030A	08/21/2019 09:19	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.81	mg/Kg	100	3050B	08/21/2019 19:04	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B69@5.0

Laboratory Sample ID: 1908139-04 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**28.2**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/20/2019 22:49	ED	8015B
Surrogate: Bromofluorobenzene			*106 %*		*70-120*	5030A	08/20/2019 22:49	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/21/2019 20:56	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/21/2019 20:56	ED	8015B
Surrogate: Chlorobenzene			*72.3 %*		*70-120*	3550B	08/21/2019 20:56	ED	*8015B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B69@5.0

Laboratory Sample ID: 1908139-04 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 16:55	AY	8082
Surrogate: Decachlorobiphenyl			*107 %*		*43-169*	3545	08/19/2019 16:55	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**158**		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B69@5.0

Laboratory Sample ID: 1908139-04 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 09:46	ED	8260B
Surrogate: 4-Bromofluorobenzene			*118 %*		*70-120*	5030A	08/21/2019 09:46	ED	*8260B*
Surrogate: Dibromofluoromethane			*101 %*		*70-120*	5030A	08/21/2019 09:46	ED	*8260B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B69@5.0

Laboratory Sample ID: 1908139-04 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Surrogate: Toluene-d8			*101 %*	*70-120*		5030A	08/21/2019 09:46	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	**5.14**		4.78	mg/Kg	100	3050B	08/21/2019 19:15	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B66@1.0

Laboratory Sample ID: 1908139-05 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**19.2**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/20/2019 23:12	ED	8015B
Surrogate: Bromofluorobenzene			*79.3 %*	*70-120*		5030A	08/20/2019 23:12	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/21/2019 21:38	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/21/2019 21:38	ED	8015B
Surrogate: Chlorobenzene			*97.9 %*	*70-120*		3550B	08/21/2019 21:38	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 17:13	AY	8082
Surrogate: Decachlorobiphenyl			*110 %*	*43-169*		3545	08/19/2019 17:13	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**126**		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B66@1.0

Laboratory Sample ID: 1908139-05 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B66@1.0

Laboratory Sample ID: 1908139-05 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:12	ED	8260B
Surrogate: 4-Bromofluorobenzene			*113 %*		*70-120*	5030A	08/21/2019 10:12	ED	*8260B*
Surrogate: Dibromofluoromethane			*102 %*		*70-120*	5030A	08/21/2019 10:12	ED	*8260B*
Surrogate: Toluene-d8			*98.2 %*		*70-120*	5030A	08/21/2019 10:12	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.81	mg/Kg	100	3050B	08/21/2019 19:17	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B66@5.0

Laboratory Sample ID: 1908139-06 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**22.3**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90431		Prepared: 08/21/2019 10:15		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 18:45	ED	8015B
Surrogate: Bromofluorobenzene			*119 %*		*70-120*	5030A	08/21/2019 18:45	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	**137**		10.0	mg/kg	1	3550B	08/21/2019 22:21	ED	8015B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B66@5.0

Laboratory Sample ID: 1908139-06 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Oil Range Organics	**1230**		50.0	mg/kg	1	3550B	08/21/2019 22:21	ED	8015B
Surrogate: Chlorobenzene			*95.9 %*		*70-120*	3550B	08/21/2019 22:21	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 17:31	AY	8082
Surrogate: Decachlorobiphenyl			*111 %*		*43-169*	3545	08/19/2019 17:31	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**173**		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B66@5.0

Laboratory Sample ID: 1908139-06 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B66@5.0

Laboratory Sample ID: 1908139-06 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 10:38	ED	8260B
Surrogate: 4-Bromofluorobenzene			*104 %*		*70-120*	5030A	08/21/2019 10:38	ED	*8260B*
Surrogate: Dibromofluoromethane			*107 %*		*70-120*	5030A	08/21/2019 10:38	ED	*8260B*
Surrogate: Toluene-d8			*91.6 %*		*70-120*	5030A	08/21/2019 10:38	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.95	mg/Kg	100	3050B	08/21/2019 19:20	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B67@1.0

Laboratory Sample ID: 1908139-07 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**14.9**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/20/2019 23:57	ED	8015B
Surrogate: Bromofluorobenzene			*93.2 %*		*70-120*	5030A	08/20/2019 23:57	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	**35.5**		10.0	mg/kg	1	3550B	08/21/2019 23:03	ED	8015B
Oil Range Organics	**89.1**		50.0	mg/kg	1	3550B	08/21/2019 23:03	ED	8015B
Surrogate: Chlorobenzene			*96.9 %*		*70-120*	3550B	08/21/2019 23:03	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 17:48	AY	8082
Surrogate: Decachlorobiphenyl			*105 %*		*43-169*	3545	08/19/2019 17:48	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**100**		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B

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Rojert G. Araghi, President/Lab Director

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B67@1.0

Laboratory Sample ID: 1908139-07 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B67@1.0

Laboratory Sample ID: 1908139-07 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:04	ED	8260B
Surrogate: 4-Bromofluorobenzene			*111 %*		*70-120*	5030A	08/21/2019 11:04	ED	*8260B*
Surrogate: Dibromofluoromethane			*101 %*		*70-120*	5030A	08/21/2019 11:04	ED	*8260B*
Surrogate: Toluene-d8			*98.3 %*		*70-120*	5030A	08/21/2019 11:04	ED	*8260B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B67@1.0

Laboratory Sample ID: 1908139-07 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		5.00	mg/Kg	100	3050B	08/21/2019 19:23	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B67@5.0

Laboratory Sample ID: 1908139-08 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**20.5**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 00:20	ED	8015B
Surrogate: Bromofluorobenzene			*115 %*	*70-120*		5030A	08/21/2019 00:20	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/21/2019 23:45	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/21/2019 23:45	ED	8015B
Surrogate: Chlorobenzene			*99.0 %*	*70-120*		3550B	08/21/2019 23:45	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 18:06	AY	8082
Surrogate: Decachlorobiphenyl			*113 %*	*43-169*		3545	08/19/2019 18:06	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**189**		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B67@5.0

Laboratory Sample ID: 1908139-08 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B67@5.0

Laboratory Sample ID: 1908139-08 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:31	ED	8260B
Surrogate: 4-Bromofluorobenzene			*107 %*	*70-120*		5030A	08/21/2019 11:31	ED	*8260B*
Surrogate: Dibromofluoromethane			*101 %*	*70-120*		5030A	08/21/2019 11:31	ED	*8260B*
Surrogate: Toluene-d8			*93.5 %*	*70-120*		5030A	08/21/2019 11:31	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.98	mg/Kg	100	3050B	08/21/2019 19:25	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B70@1.0

Laboratory Sample ID: 1908139-09 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**17.7**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 00:43	ED	8015B
Surrogate: Bromofluorobenzene			*78.4 %*	*70-120*		5030A	08/21/2019 00:43	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/22/2019 00:27	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/22/2019 00:27	ED	8015B
Surrogate: Chlorobenzene			*103 %*	*70-120*		3550B	08/22/2019 00:27	ED	*8015B*

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Rojert G. Araghi, President/Lab Director

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B70@1.0

Laboratory Sample ID: 1908139-09 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 18:23	AY	8082
Surrogate: Decachlorobiphenyl			*109 %*		*43-169*	3545	08/19/2019 18:23	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B70@1.0

Laboratory Sample ID: 1908139-09 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 11:57	ED	8260B
Surrogate: 4-Bromofluorobenzene			*118 %*		*70-120*	5030A	08/21/2019 11:57	ED	*8260B*
Surrogate: Dibromofluoromethane			*97.3 %*		*70-120*	5030A	08/21/2019 11:57	ED	*8260B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B70@1.0

Laboratory Sample ID: 1908139-09 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Surrogate: Toluene-d8			*98.0 %*	*70-120*		5030A	08/21/2019 11:57	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.95	mg/Kg	100	3050B	08/21/2019 19:28	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B70@5.0

Laboratory Sample ID: 1908139-10 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**20.0**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 01:06	ED	8015B
Surrogate: Bromofluorobenzene			*82.7 %*	*70-120*		5030A	08/21/2019 01:06	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/22/2019 01:10	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/22/2019 01:10	ED	8015B
Surrogate: Chlorobenzene			*99.1 %*	*70-120*		3550B	08/22/2019 01:10	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 18:41	AY	8082
Surrogate: Decachlorobiphenyl			*101 %*	*43-169*		3545	08/19/2019 18:41	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**110**		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B70@5.0

Laboratory Sample ID: 1908139-10 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B70@5.0

Laboratory Sample ID: 1908139-10 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:23	ED	8260B
Surrogate: 4-Bromofluorobenzene			*113 %*	*70-120*		5030A	08/21/2019 12:23	ED	*8260B*
Surrogate: Dibromofluoromethane			*97.5 %*	*70-120*		5030A	08/21/2019 12:23	ED	*8260B*
Surrogate: Toluene-d8			*97.6 %*	*70-120*		5030A	08/21/2019 12:23	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.88	mg/Kg	100	3050B	08/21/2019 19:31	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B71@1.0

Laboratory Sample ID: 1908139-11 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**11.2**		0.250	mg/kg	1	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90446		Prepared: 08/22/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/22/2019 15:01	ED	8015B
Surrogate: Bromofluorobenzene			*116 %*	*70-120*		5030A	08/22/2019 15:01	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/22/2019 01:53	ED	8015B

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B71@1.0

Laboratory Sample ID: 1908139-11 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/22/2019 01:53	ED	8015B
Surrogate: Chlorobenzene			*99.6 %*		*70-120*	3550B	08/22/2019 01:53	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 18:58	AY	8082
Surrogate: Decachlorobiphenyl			*92.0 %*		*43-169*	3545	08/19/2019 18:58	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90445		Prepared: 08/22/2019 09:00		
Acetone	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B71@1.0

Laboratory Sample ID: 1908139-11 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90445		Prepared: 08/22/2019 09:00		
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B71@1.0

Laboratory Sample ID: 1908139-11 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90445		Prepared: 08/22/2019 09:00		
o-Xylene	ND		2.00	ug/kg	1	5030A	08/22/2019 16:14	ED	8260B
Surrogate: 4-Bromofluorobenzene			*115 %*		*70-120*	5030A	08/22/2019 16:14	ED	*8260B*
Surrogate: Dibromofluoromethane			*111 %*		*70-120*	5030A	08/22/2019 16:14	ED	*8260B*
Surrogate: Toluene-d8			*101 %*		*70-120*	5030A	08/22/2019 16:14	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.81	mg/Kg	100	3050B	08/21/2019 19:33	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B71@5.0

Laboratory Sample ID: 1908139-12 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**198**		2.50	mg/kg	10	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90431		Prepared: 08/21/2019 10:15		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 19:08	ED	8015B
Surrogate: Bromofluorobenzene			*91.1 %*		*70-120*	5030A	08/21/2019 19:08	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/22/2019 02:35	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/22/2019 02:35	ED	8015B
Surrogate: Chlorobenzene			*96.2 %*		*70-120*	3550B	08/22/2019 02:35	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 19:16	AY	8082
Surrogate: Decachlorobiphenyl			*80.7 %*		*43-169*	3545	08/19/2019 19:16	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Acetone	**86.4**		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B71@5.0

Laboratory Sample ID: 1908139-12 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B71@5.0

Laboratory Sample ID: 1908139-12 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90423		Prepared: 08/20/2019 09:00		
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 12:49	ED	8260B
Surrogate: 4-Bromofluorobenzene			*113 %*		*70-120*	5030A	08/21/2019 12:49	ED	*8260B*
Surrogate: Dibromofluoromethane			*100 %*		*70-120*	5030A	08/21/2019 12:49	ED	*8260B*
Surrogate: Toluene-d8			*90.8 %*		*70-120*	5030A	08/21/2019 12:49	ED	*8260B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: B71@5.0

Laboratory Sample ID: 1908139-12 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		4.78	mg/Kg	100	3050B	08/21/2019 19:36	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: QC-12

Laboratory Sample ID: 1908139-13 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals				Batch ID:	BH90479		Prepared: 08/22/2019 12:02		
Lead	**200**		2.50	mg/kg	10	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)				Batch ID:	BH90422		Prepared: 08/20/2019 09:00		
Gasoline Range Organics	ND		500	ug/kg	1	5030A	08/21/2019 01:51	ED	8015B
Surrogate: Bromofluorobenzene			*84.3 %*	*70-120*		5030A	08/21/2019 01:51	ED	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90434		Prepared: 08/21/2019 09:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/22/2019 03:18	ED	8015B
Oil Range Organics	ND		50.0	mg/kg	1	3550B	08/22/2019 03:18	ED	8015B
Surrogate: Chlorobenzene			*100 %*	*70-120*		3550B	08/22/2019 03:18	ED	*8015B*
Polychlorinated Biphenyls (PCBs) by Gas Chromatography				Batch ID:	BH90346		Prepared: 08/19/2019 09:45		
Aroclor 1016	ND		33.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Aroclor 1221	ND		67.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Aroclor 1232	ND		33.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Aroclor 1242	ND		33.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Aroclor 1248	ND		33.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Aroclor 1254	ND		33.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Aroclor 1260	ND		33.0	ug/kg	1	3545	08/19/2019 19:33	AY	8082
Surrogate: Decachlorobiphenyl			*111 %*	*43-169*		3545	08/19/2019 19:33	AY	*8082*
Volatile Organic Compounds				Batch ID:	BH90432		Prepared: 08/21/2019 09:00		
Acetone	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Benzene	ND		2.00	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Bromobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Bromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Bromodichloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Bromoform	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Bromomethane	ND		30.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
2-Butanone	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
n-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
sec-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: QC-12

Laboratory Sample ID: 1908139-13 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90432		Prepared: 08/21/2019 09:00		
tert-Butylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Carbon disulfide	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Carbon tetrachloride	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Chlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Chloroethane	ND		30.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
2-Chloroethylvinyl Ether	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Chloroform	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Chloromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
4-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
2-Chlorotoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2-Dibromo-3-chloropropane	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Dibromochloromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2-Dibromoethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Dibromomethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,3-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,4-Dichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Dichlorodifluoromethane	ND		30.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,1-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2-Dichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,1-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
cis-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
trans-1,2-Dichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,1-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,3-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
2,2-Dichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
cis-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
trans-1,3-Dichloropropene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Ethylbenzene	ND		2.00	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Hexachlorobutadiene	ND		30.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
2-Hexanone	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Isopropylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
p-Isopropyltoluene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Methyl tert-Butyl Ether (MTBE)	ND		5.00	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
4-Methyl-2-pentanone (MIBK)	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Methylene chloride	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Naphthalene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
n-Propylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Styrene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Analytical Results

Client Sample ID: QC-12

Laboratory Sample ID: 1908139-13 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds				Batch ID:	BH90432		Prepared: 08/21/2019 09:00		
1,1,1,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,1,2,2-Tetrachloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Tetrachloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Toluene	ND		2.00	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2,3-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2,4-Trichlorobenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,1,1-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,1,2-Trichloroethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Trichloroethene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Trichlorofluoromethane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2,3-Trichloropropane	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,2,4-Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
1,3,5- Trimethylbenzene	ND		10.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Vinyl acetate	ND		50.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Vinyl chloride	ND		30.0	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
m,p-Xylenes	ND		4.00	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
o-Xylene	ND		2.00	ug/kg	1	5030A	08/21/2019 17:12	ED	8260B
Surrogate: 4-Bromofluorobenzene			*105 %*		*70-120*	5030A	08/21/2019 17:12	ED	*8260B*
Surrogate: Dibromofluoromethane			*100 %*		*70-120*	5030A	08/21/2019 17:12	ED	*8260B*
Surrogate: Toluene-d8			*104 %*		*70-120*	5030A	08/21/2019 17:12	ED	*8260B*
6020				Batch ID:	13506		Prepared: 08/19/2019 14:37		
Arsenic	ND		5.00	mg/Kg	100	3050B	08/21/2019 19:39	UFLE	20 Metals (ICP/M

Analytical Results

Client Sample ID: B66@10.0

Laboratory Sample ID: 1908139-14 (Solid)

Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID:	BH90631		Prepared: 08/30/2019 10:00		
Diesel range organics	ND		10.0	mg/kg	1	3550B	08/30/2019 15:34	ED	8015B
Oil Range Organics	**1750**		50.0	mg/kg	1	3550B	08/30/2019 15:34	ED	8015B
Surrogate: Chlorobenzene			*101 %*		*70-120*	3550B	08/30/2019 15:34	ED	*8015B*

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Total ICP Metals - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90479 - 3050B - SW846 6010B										
Blank (BH90479-BLK1)				Prepared: 08/22/201 Analyzed: 08/23/201						
Lead	ND	0.250	mg/kg							
LCS (BH90479-BS1)				Prepared: 08/22/201 Analyzed: 08/23/201						
Lead	108	0.500	mg/kg	100		108	80-120			
LCS Dup (BH90479-BSD1)				Prepared: 08/22/201 Analyzed: 08/23/201						
Lead	107	0.500	mg/kg	100		107	80-120	0.540	20	

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90422 - 5030A - 8015B										
Blank (BH90422-BLK1)				Prepared: 08/20/201 Analyzed: 08/21/201						
Gasoline Range Organics	ND	500	ug/kg							
Matrix Spike (BH90422-MS1)		**Source: 1908139-02**		Prepared & Analyzed: 08/20/201						
Gasoline Range Organics	401		ug/kg	500	17.1	76.8	75-120			
Matrix Spike Dup (BH90422-MSD1)		**Source: 1908139-02**		Prepared & Analyzed: 08/20/201						
Gasoline Range Organics	451		ug/kg	500	17.1	86.8	75-120	11.7	15	
Batch BH90431 - 5030A - 8015B										
Blank (BH90431-BLK1)				Prepared & Analyzed: 08/21/201						
Gasoline Range Organics	ND	500	ug/kg							
Matrix Spike (BH90431-MS1)		**Source: 1908159-02**		Prepared & Analyzed: 08/21/201						
Gasoline Range Organics	425		ug/kg	500	25.1	79.9	75-120			
Matrix Spike Dup (BH90431-MSD1)		**Source: 1908159-02**		Prepared & Analyzed: 08/21/201						
Gasoline Range Organics	426		ug/kg	500	25.1	80.1	75-120	0.234	15	
Batch BH90446 - 5030A - 8015B										
Blank (BH90446-BLK1)				Prepared & Analyzed: 08/22/201						
Gasoline Range Organics	ND	500	ug/kg							
Matrix Spike (BH90446-MS1)		**Source: 1908183-01**		Prepared & Analyzed: 08/22/201						
Gasoline Range Organics	405		ug/kg	500	0.00	81.0	75-120			

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90446 - 5030A - 8015B										
Matrix Spike Dup (BH90446-MSD1)		**Source: 1908183-01**		Prepared & Analyzed: 08/22/201						
Gasoline Range Organics	389		ug/kg	500	0.00	77.9	75-120	3.97	15	

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90434 - 3550B - 8015B										
Blank (BH90434-BLK1)				Prepared & Analyzed: 08/21/201						
Diesel range organics	ND	10.0	mg/kg							
Oil Range Organics	ND	50.0	"							
Surrogate: Chlorobenzene	*100*		*"*	*100*		*100*	*70-120*			
Matrix Spike (BH90434-MS1)		**Source: 1908139-01**		Prepared & Analyzed: 08/21/201						
Diesel range organics	496		mg/kg	500	0.00	99.1	75-120			
Surrogate: Chlorobenzene	*96.9*		*"*	*100*		*96.9*	*70-120*			
Matrix Spike Dup (BH90434-MSD1)		**Source: 1908139-01**		Prepared & Analyzed: 08/21/201						
Diesel range organics	500		mg/kg	500	0.00	100	75-120	0.961	15	
Surrogate: Chlorobenzene	*99.0*		*"*	*100*		*99.0*	*70-120*			
Batch BH90631 - 3550B - 8015B										
Blank (BH90631-BLK1)				Prepared & Analyzed: 08/30/201						
Diesel range organics	ND	10.0	mg/kg							
Oil Range Organics	ND	50.0	"							
Surrogate: Chlorobenzene	*99.6*		*"*	*100*		*99.6*	*70-120*			
Matrix Spike (BH90631-MS1)		**Source: 1908257-04**		Prepared & Analyzed: 08/30/201						
Diesel range organics	568		mg/kg	500	0.800	113	75-120			
Surrogate: Chlorobenzene	*97.1*		*"*	*100*		*97.1*	*70-120*			
Matrix Spike Dup (BH90631-MSD1)		**Source: 1908257-04**		Prepared & Analyzed: 08/30/201						
Diesel range organics	547		mg/kg	500	0.800	109	75-120	3.66	15	
Surrogate: Chlorobenzene	*97.2*		*"*	*100*		*97.2*	*70-120*			

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Polychlorinated Biphenyls (PCBs) by Gas Chromatography - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90346 - 3545 - 8082										
Blank (BH90346-BLK1)				Prepared & Analyzed: 08/19/201						
Aroclor 1016	ND	33.0	ug/kg							
Aroclor 1221	ND	67.0	"							
Aroclor 1232	ND	33.0	"							
Aroclor 1242	ND	33.0	"							
Aroclor 1248	ND	33.0	"							
Aroclor 1254	ND	33.0	"							
Aroclor 1260	ND	33.0	"							
Surrogate: Decachlorobiphenyl	*18.4*		*"*	*16.7*		*110*	*43-169*			
LCS (BH90346-BS1)				Prepared & Analyzed: 08/19/201						
Aroclor 1260	197	33.0	ug/kg	167		118	39-150			
Surrogate: Decachlorobiphenyl	*17.1*		*"*	*16.7*		*102*	*43-169*			
LCS Dup (BH90346-BSD1)				Prepared & Analyzed: 08/19/201						
Aroclor 1260	218	33.0	ug/kg	167		131	39-150	10.1	30	
Surrogate: Decachlorobiphenyl	*19.8*		*"*	*16.7*		*119*	*43-169*			

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90423 - 5030A - 8260B										
Blank (BH90423-BLK1)				Prepared: 08/20/201 Analyzed: 08/21/201						
Acetone	ND	50.0	ug/kg							
Benzene	ND	2.00	"							
Bromobenzene	ND	10.0	"							
Bromochloromethane	ND	10.0	"							
Bromodichloromethane	ND	10.0	"							
Bromoform	ND	50.0	"							
Bromomethane	ND	30.0	"							
2-Butanone	ND	50.0	"							
n-Butylbenzene	ND	10.0	"							
sec-Butylbenzene	ND	10.0	"							
tert-Butylbenzene	ND	10.0	"							
Carbon disulfide	ND	10.0	"							
Carbon tetrachloride	ND	10.0	"							
Chlorobenzene	ND	10.0	"							
Chloroethane	ND	30.0	"							
2-Chloroethylvinyl Ether	ND	50.0	"							
Chloroform	ND	10.0	"							
Chloromethane	ND	30.0	"							
4-Chlorotoluene	ND	10.0	"							
2-Chlorotoluene	ND	10.0	"							
1,2-Dibromo-3-chloropropane	ND	50.0	"							
Dibromochloromethane	ND	10.0	"							
1,2-Dibromoethane	ND	10.0	"							
Dibromomethane	ND	10.0	"							
1,2-Dichlorobenzene	ND	10.0	"							
1,3-Dichlorobenzene	ND	10.0	"							
1,4-Dichlorobenzene	ND	10.0	"							
Dichlorodifluoromethane	ND	30.0	"							
1,1-Dichloroethane	ND	10.0	"							
1,2-Dichloroethane	ND	10.0	"							
1,1-Dichloroethene	ND	10.0	"							
cis-1,2-Dichloroethene	ND	10.0	"							
trans-1,2-Dichloroethene	ND	10.0	"							
1,1-Dichloropropene	ND	10.0	"							
1,2-Dichloropropane	ND	10.0	"							
1,3-Dichloropropane	ND	10.0	"							
2,2-Dichloropropane	ND	10.0	"							
cis-1,3-Dichloropropene	ND	10.0	"							
trans-1,3-Dichloropropene	ND	10.0	"							
Ethylbenzene	ND	2.00	"							
Hexachlorobutadiene	ND	30.0	"							

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90423 - 5030A - 8260B										
Blank (BH90423-BLK1)				Prepared: 08/20/201 Analyzed: 08/21/201						
2-Hexanone	ND	50.0	ug/kg							
Isopropylbenzene	ND	10.0	"							
p-Isopropyltoluene	ND	10.0	"							
Methyl tert-Butyl Ether (MTBE)	ND	5.00	"							
4-Methyl-2-pentanone (MIBK)	ND	50.0	"							
Methylene chloride	ND	50.0	"							
Naphthalene	ND	10.0	"							
n-Propylbenzene	ND	10.0	"							
Styrene	ND	10.0	"							
1,1,1,2-Tetrachloroethane	ND	10.0	"							
1,1,2,2-Tetrachloroethane	ND	10.0	"							
Tetrachloroethene	ND	10.0	"							
Toluene	ND	2.00	"							
1,2,3-Trichlorobenzene	ND	10.0	"							
1,2,4-Trichlorobenzene	ND	10.0	"							
1,1,1-Trichloroethane	ND	10.0	"							
1,1,2-Trichloroethane	ND	10.0	"							
Trichloroethene	ND	10.0	"							
Trichlorofluoromethane	ND	10.0	"							
1,2,3-Trichloropropane	ND	10.0	"							
1,2,4-Trimethylbenzene	ND	10.0	"							
1,3,5- Trimethylbenzene	ND	10.0	"							
Vinyl acetate	ND	50.0	"							
Vinyl chloride	ND	30.0	"							
m,p-Xylenes	ND	4.00	"							
o-Xylene	ND	2.00	"							
Matrix Spike (BH90423-MS1)		**Source: 1908145-01**		Prepared: 08/20/201 Analyzed: 08/21/201						
Benzene	52.4		ug/kg	50.0	0.00	105	75-120			
Chlorobenzene	51.6		"	50.0	0.00	103	75-120			
1,1-Dichloroethene	52.9		"	50.0	0.00	106	75-120			
Methyl tert-Butyl Ether (MTBE)	55.4		"	50.0	0.00	111	75-120			
Toluene	53.2		"	50.0	0.150	106	75-120			
Trichloroethene	50.2		"	50.0	0.00	100	75-120			

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90423 - 5030A - 8260B										
Matrix Spike Dup (BH90423-MSD1)	**Source: 1908145-01**		Prepared: 08/20/201 Analyzed: 08/21/201							
Benzene	51.1		ug/kg	50.0	0.00	102	75-120	2.46	15	
Chlorobenzene	50.7		"	50.0	0.00	101	75-120	1.70	15	
1,1-Dichloroethene	48.0		"	50.0	0.00	96.1	75-120	9.59	15	
Methyl tert-Butyl Ether (MTBE)	54.3		"	50.0	0.00	109	75-120	1.99	15	
Toluene	51.1		"	50.0	0.150	102	75-120	4.06	15	
Trichloroethene	49.0		"	50.0	0.00	97.9	75-120	2.56	15	
Batch BH90432 - 5030A - 8260B										
Blank (BH90432-BLK1)			Prepared & Analyzed: 08/21/201							
Acetone	ND	50.0	ug/kg							
Benzene	ND	2.00	"							
Bromobenzene	ND	10.0	"							
Bromochloromethane	ND	10.0	"							
Bromodichloromethane	ND	10.0	"							
Bromoform	ND	50.0	"							
Bromomethane	ND	30.0	"							
2-Butanone	ND	50.0	"							
n-Butylbenzene	ND	10.0	"							
sec-Butylbenzene	ND	10.0	"							
tert-Butylbenzene	ND	10.0	"							
Carbon disulfide	ND	10.0	"							
Carbon tetrachloride	ND	10.0	"							
Chlorobenzene	ND	10.0	"							
Chloroethane	ND	30.0	"							
2-Chloroethylvinyl Ether	ND	50.0	"							
Chloroform	ND	10.0	"							
Chloromethane	ND	30.0	"							
4-Chlorotoluene	ND	10.0	"							
2-Chlorotoluene	ND	10.0	"							
1,2-Dibromo-3-chloropropane	ND	50.0	"							
Dibromochloromethane	ND	10.0	"							
1,2-Dibromoethane	ND	10.0	"							
Dibromomethane	ND	10.0	"							
1,2-Dichlorobenzene	ND	10.0	"							
1,3-Dichlorobenzene	ND	10.0	"							
1,4-Dichlorobenzene	ND	10.0	"							
Dichlorodifluoromethane	ND	30.0	"							
1,1-Dichloroethane	ND	10.0	"							
1,2-Dichloroethane	ND	10.0	"							
1,1-Dichloroethene	ND	10.0	"							

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90432 - 5030A - 8260B										
Blank (BH90432-BLK1)				Prepared & Analyzed: 08/21/201						
cis-1,2-Dichloroethene	ND	10.0	ug/kg							
trans-1,2-Dichloroethene	ND	10.0	"							
1,1-Dichloropropene	ND	10.0	"							
1,2-Dichloropropane	ND	10.0	"							
1,3-Dichloropropane	ND	10.0	"							
2,2-Dichloropropane	ND	10.0	"							
cis-1,3-Dichloropropene	ND	10.0	"							
trans-1,3-Dichloropropene	ND	10.0	"							
Ethylbenzene	ND	2.00	"							
Hexachlorobutadiene	ND	30.0	"							
2-Hexanone	ND	50.0	"							
Isopropylbenzene	ND	10.0	"							
p-Isopropyltoluene	ND	10.0	"							
Methyl tert-Butyl Ether (MTBE)	ND	5.00	"							
4-Methyl-2-pentanone (MIBK)	ND	50.0	"							
Methylene chloride	ND	50.0	"							
Naphthalene	ND	10.0	"							
n-Propylbenzene	ND	10.0	"							
Styrene	ND	10.0	"							
1,1,1,2-Tetrachloroethane	ND	10.0	"							
1,1,2,2-Tetrachloroethane	ND	10.0	"							
Tetrachloroethene	ND	10.0	"							
Toluene	ND	2.00	"							
1,2,3-Trichlorobenzene	ND	10.0	"							
1,2,4-Trichlorobenzene	ND	10.0	"							
1,1,1-Trichloroethane	ND	10.0	"							
1,1,2-Trichloroethane	ND	10.0	"							
Trichloroethene	ND	10.0	"							
Trichlorofluoromethane	ND	10.0	"							
1,2,3-Trichloropropane	ND	10.0	"							
1,2,4-Trimethylbenzene	ND	10.0	"							
1,3,5- Trimethylbenzene	ND	10.0	"							
Vinyl acetate	ND	50.0	"							
Vinyl chloride	ND	30.0	"							
m,p-Xylenes	ND	4.00	"							
o-Xylene	ND	2.00	"							

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90432 - 5030A - 8260B										
Matrix Spike (BH90432-MS1)		**Source: 1908159-02**		Prepared & Analyzed: 08/21/201						
Benzene	40.5		ug/kg	50.0	0.240	80.5	75-120			
Chlorobenzene	51.6		"	50.0	0.350	103	75-120			
1,1-Dichloroethene	50.4		"	50.0	0.140	101	75-120			
Methyl tert-Butyl Ether (MTBE)	40.9		"	50.0	0.0500	81.8	75-120			
Toluene	48.7		"	50.0	0.380	96.6	75-120			
Trichloroethene	40.2		"	50.0	0.00	80.3	75-120			
Matrix Spike Dup (BH90432-MSD1)		**Source: 1908159-02**		Prepared & Analyzed: 08/21/201						
Benzene	44.6		ug/kg	50.0	0.240	88.7	75-120	9.71	15	
Chlorobenzene	51.3		"	50.0	0.350	102	75-120	0.680	15	
1,1-Dichloroethene	49.6		"	50.0	0.140	98.9	75-120	1.68	15	
Methyl tert-Butyl Ether (MTBE)	41.7		"	50.0	0.0500	83.3	75-120	1.86	15	
Toluene	52.3		"	50.0	0.380	104	75-120	7.15	15	
Trichloroethene	43.2		"	50.0	0.00	86.3	75-120	7.18	15	
Batch BH90445 - 5030A - 8260B										
Blank (BH90445-BLK1)				Prepared & Analyzed: 08/22/201						
Acetone	ND	50.0	ug/kg							
Benzene	ND	2.00	"							
Bromobenzene	ND	10.0	"							
Bromochloromethane	ND	10.0	"							
Bromodichloromethane	ND	10.0	"							
Bromoform	ND	50.0	"							
Bromomethane	ND	30.0	"							
2-Butanone	ND	50.0	"							
n-Butylbenzene	ND	10.0	"							
sec-Butylbenzene	ND	10.0	"							
tert-Butylbenzene	ND	10.0	"							
Carbon disulfide	ND	10.0	"							
Carbon tetrachloride	ND	10.0	"							
Chlorobenzene	ND	10.0	"							
Chloroethane	ND	30.0	"							
2-Chloroethylvinyl Ether	ND	50.0	"							
Chloroform	ND	10.0	"							
Chloromethane	ND	30.0	"							
4-Chlorotoluene	ND	10.0	"							
2-Chlorotoluene	ND	10.0	"							
1,2-Dibromo-3-chloropropane	ND	50.0	"							
Dibromochloromethane	ND	10.0	"							
1,2-Dibromoethane	ND	10.0	"							

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90445 - 5030A - 8260B										
Blank (BH90445-BLK1)				Prepared & Analyzed: 08/22/201						
Dibromomethane	ND	10.0	ug/kg							
1,2-Dichlorobenzene	ND	10.0	"							
1,3-Dichlorobenzene	ND	10.0	"							
1,4-Dichlorobenzene	ND	10.0	"							
Dichlorodifluoromethane	ND	30.0	"							
1,1-Dichloroethane	ND	10.0	"							
1,2-Dichloroethane	ND	10.0	"							
1,1-Dichloroethene	ND	10.0	"							
cis-1,2-Dichloroethene	ND	10.0	"							
trans-1,2-Dichloroethene	ND	10.0	"							
1,1-Dichloropropene	ND	10.0	"							
1,2-Dichloropropane	ND	10.0	"							
1,3-Dichloropropane	ND	10.0	"							
2,2-Dichloropropane	ND	10.0	"							
cis-1,3-Dichloropropene	ND	10.0	"							
trans-1,3-Dichloropropene	ND	10.0	"							
Ethylbenzene	ND	2.00	"							
Hexachlorobutadiene	ND	30.0	"							
2-Hexanone	ND	50.0	"							
Isopropylbenzene	ND	10.0	"							
p-Isopropyltoluene	ND	10.0	"							
Methyl tert-Butyl Ether (MTBE)	ND	5.00	"							
4-Methyl-2-pentanone (MIBK)	ND	50.0	"							
Methylene chloride	ND	50.0	"							
Naphthalene	ND	10.0	"							
n-Propylbenzene	ND	10.0	"							
Styrene	ND	10.0	"							
1,1,1,2-Tetrachloroethane	ND	10.0	"							
1,1,2,2-Tetrachloroethane	ND	10.0	"							
Tetrachloroethene	ND	10.0	"							
Toluene	ND	2.00	"							
1,2,3-Trichlorobenzene	ND	10.0	"							
1,2,4-Trichlorobenzene	ND	10.0	"							
1,1,1-Trichloroethane	ND	10.0	"							
1,1,2-Trichloroethane	ND	10.0	"							
Trichloroethene	ND	10.0	"							
Trichlorofluoromethane	ND	10.0	"							
1,2,3-Trichloropropane	ND	10.0	"							
1,2,4-Trimethylbenzene	ND	10.0	"							
1,3,5- Trimethylbenzene	ND	10.0	"							
Vinyl acetate	ND	50.0	"							

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH90445 - 5030A - 8260B										
Blank (BH90445-BLK1)				Prepared & Analyzed: 08/22/201						
Vinyl chloride	ND	30.0	ug/kg							
m,p-Xylenes	ND	4.00	"							
o-Xylene	ND	2.00	"							
Matrix Spike (BH90445-MS1)	**Source: 1908182-01**			Prepared & Analyzed: 08/22/201						
Benzene	45.4		ug/kg	50.0	0.00	90.8	75-120			
Chlorobenzene	50.1		"	50.0	0.00	100	75-120			
1,1-Dichloroethene	43.8		"	50.0	0.0700	87.5	75-120			
Methyl tert-Butyl Ether (MTBE)	53.0		"	50.0	0.00	106	75-120			
Toluene	48.4		"	50.0	0.00	96.9	75-120			
Trichloroethene	41.2		"	50.0	0.00	82.5	75-120			
Matrix Spike Dup (BH90445-MSD1)	**Source: 1908182-01**			Prepared & Analyzed: 08/22/201						
Benzene	42.8		ug/kg	50.0	0.00	85.6	75-120	5.92	15	
Chlorobenzene	56.9		"	50.0	0.00	114	75-120	12.7	15	
1,1-Dichloroethene	45.1		"	50.0	0.0700	90.0	75-120	2.79	15	
Methyl tert-Butyl Ether (MTBE)	51.4		"	50.0	0.00	103	75-120	2.99	15	
Toluene	50.8		"	50.0	0.00	102	75-120	4.68	15	
Trichloroethene	40.1		"	50.0	0.00	80.1	75-120	2.88	15	

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

Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

6020 - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 13506 - 3050B - 6020 Metals (ICP/MS)										
MS (570-5063-1 MS)		**Source: 1908139-01**		Prepared: 08/19/201 Analyzed: 08/21/201						
Arsenic	33.74	4.93	mg/Kg	24.6	3.38	136	72-132			F1
MSD (570-5063-1 MSD)		**Source: 1908139-01**		Prepared: 08/19/201 Analyzed: 08/21/201						
Arsenic	32.39	4.95	mg/Kg	24.8	3.38	130	72-132	4	13	
LCS (LCS 570-13506/2-A ^20)				Prepared: 08/19/201 Analyzed: 08/23/201						
Arsenic	27.45	0.995	mg/Kg	24.9		110	80-120			
LCSD (LCSD 570-13506/3-A ^20)				Prepared: 08/19/201 Analyzed: 08/23/201						
Arsenic	27.53	1.00	mg/Kg	25.0		110	80-120	0	20	
MB (MB 570-13506/1-A ^20)				Prepared: 08/19/201 Analyzed: 08/21/201						
Arsenic	ND	1.00	mg/Kg				-			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rojert G. Araghi

Rojert G. Araghi, President/Lab Director

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Alisto Engineering Group	Project: PEA-E : Abraham Lincoln High School	Work Order No: 1908139
2737 North Main Street, Suite 200	Project Number: 12-020-07	**Reported:**
Walnut Creek CA, 94597	Project Manager: Hamidou Barry	09/03/2019 16:01

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
F1	MS and/or MSD Recovery is outside acceptance limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the practical quantitation limit (PQL)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SOIL ASBESTOS

Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Alisto Engineering Group
Hamidou Barry/Al Sevilla
2737 N. Main Street
Suite 200
Walnut Creek, CA 94597

Client ID: L1916
Report Number: B278785
Date Received: 06/14/19
Date Analyzed: 06/21/19
Date Printed: 06/21/19
First Reported: 06/21/19

Job ID/Site: 12-020-07; PEA-E: Abraham Lincoln High School, 3501 North Broadway, Los Angeles, CA
Date(s) Collected: 06/11/2019, 06/12/2019

FALI Job ID: L1916
Total Samples Submitted: 19
Total Samples Analyzed: 7

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
B19@0.5`	51239326						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
B20@0.5`	51239329						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
B21@0.5`	51239332						
Layer: Tan Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
B22@0.5`	51239335						
Layer: Tan Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
B23@1.0`	51239338						
Layer: Brown Soil with Stones			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
QC-1	51239341						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
B24@0.5	51239342						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 / Telephone: (310) 763-2374 (888) 813-9417 / Fax: (310) 763-8684

Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Alisto Engineering Group
Hamidou Barry/Al Sevilla
2737 N. Main Street
Suite 200
Walnut Creek, CA 94597

Client ID: L1916
Report Number: B278764
Date Received: 06/14/19
Date Analyzed: 06/21/19
Date Printed: 06/21/19
First Reported: 06/21/19

Job ID/Site: 12-020-07; PEA-E: Abraham Lincoln High School, 3501 North Broadway, Los Angeles, CA
Date(s) Collected: 06/10/2019

FALI Job ID: L1916
Total Samples Submitted: 9
Total Samples Analyzed: 3

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
B28@0.5`	51239315						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
B29@0.5`	51239318						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
B30@0.5`	51239321						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI 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. All samples were received in acceptable condition unless otherwise noted.

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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Alisto Engineering Group
Hamidou Barry/Al Sevilla
2737 N. Main Street
Suite 200
Walnut Creek, CA 94597

Client ID: L1916
Report Number: B278786
Date Received: 06/14/19
Date Analyzed: 06/21/19
Date Printed: 06/21/19
First Reported: 06/21/19

Job ID/Site: 12-020-07; PEA-E: Abraham Lincoln High School, 3501 North Broadway, Los Angeles, CA
Date(s) Collected: 06/13/2019

FALI Job ID: L1916
Total Samples Submitted: 9
Total Samples Analyzed: 3

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
B45@0.5`	51239345						
Layer: Tan Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
B46@0.5`	51239348						
Layer: Tan Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
B47@0.5`	51239351						
Layer: Tan Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 / Telephone: (310) 763-2374 (888) 813-9417 / Fax: (310) 763-8684

EQUIPMENT BLANKS

August 29, 2019

Hamidou Barry
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N037033

RE: PEA-E: Abraham Lincoln High School, 12-020-07

Attention: Hamidou Barry

Enclosed are the results for sample(s) received on August 16, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

for

Andrew Garaniel
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

July 01, 2019

Hamidou Barry
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N035991

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry

Enclosed are the results for sample(s) received on June 12, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Sample was analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to Silver State Analytical Laboratory, Las Vegas, NV.

Analytical Comment For EPA 8015_DRO/ORO:

QC for LCS/LCSD_DRO was inadvertently missed during extraction; however, LCS/LCSD_ORO and MS/MSD_DRO passed recoveries. Re-extraction is not possible due to limited sample.

Analytical Comments for EPA 8081A:

Analytes were reported ND with dilution. Dilution was necessary due to associated internal standard not meeting method criteria possibly due to matrix interference.

Surrogate recoveries were outside the laboratory acceptable limit possibly due to matrix interference. Re-extraction is not possible due to limited sample.

Analytical Comment for EPA 8082:

Surrogate recovery biased high possibly due to matrix interferences. Sample results were non-detect (ND) for analytes of interest therefore reanalysis of the sample was not necessary.

Analytical Comments for EPA 8260B:

Method Blank has hit above the reporting limit for 2-Butanone. Sample results were non-detect (ND) for analytes of interest therefore reanalysis of the sample was not necessary.

RPD for Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) is outside criteria for 2-Butanone and 1,2-Dibromo-3-chloropropane. Analyte recovery on both met acceptance criteria.

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035991
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N035991-001A	Equipment Blank 1	Water	6/11/2019 2:00:00 PM	6/12/2019	7/1/2019
N035991-001B	Equipment Blank 1	Water	6/11/2019 2:00:00 PM	6/12/2019	7/1/2019
N035991-001C	Equipment Blank 1	Water	6/11/2019 2:00:00 PM	6/12/2019	7/1/2019
N035991-001D	Equipment Blank 1	Water	6/11/2019 2:00:00 PM	6/12/2019	7/1/2019
N035991-001E	Equipment Blank 1	Water	6/11/2019 2:00:00 PM	6/12/2019	7/1/2019
N035991-002A	TB20190611	Water		6/12/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N035991-001

Client Sample ID: Equipment Blank 1
Collection Date: 6/11/2019 2:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	1	6/18/2019 10:30 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
2-Butanone	ND	5.0		µg/L	1	6/18/2019 10:30 PM
2-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
4-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Benzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Bromobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Bromodichloromethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Bromoform	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Bromomethane	ND	1.0		µg/L	1	6/18/2019 10:30 PM
Carbon tetrachloride	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Chlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Chloroethane	ND	1.0		µg/L	1	6/18/2019 10:30 PM
Chloroform	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Chloromethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 10:30 PM

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N035991-001

Client Sample ID: Equipment Blank 1
Collection Date: 6/11/2019 2:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Dibromochloromethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Dibromomethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Ethylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Freon-113	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Isopropylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
m,p-Xylene	ND	1.0		µg/L	1	6/18/2019 10:30 PM
Methylene chloride	ND	2.0		µg/L	1	6/18/2019 10:30 PM
MTBE	ND	0.50		µg/L	1	6/18/2019 10:30 PM
n-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
n-Propylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Naphthalene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
o-Xylene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
sec-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Styrene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
tert-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Tetrachloroethene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Toluene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Trichloroethene	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Vinyl chloride	ND	0.50		µg/L	1	6/18/2019 10:30 PM
Surr: 1,2-Dichloroethane-d4	102	75-130		%REC	1	6/18/2019 10:30 PM
Surr: 4-Bromofluorobenzene	95.2	80-120		%REC	1	6/18/2019 10:30 PM
Surr: Dibromofluoromethane	107	80-128		%REC	1	6/18/2019 10:30 PM
Surr: Toluene-d8	108	80-120		%REC	1	6/18/2019 10:30 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B**		
RunID: NV00922-GC3_190617C	QC Batch: 74230			PrepDate:	6/17/2019	Analyst: **LLR**
DRO	ND	0.20		mg/L	1	6/18/2019 04:40 AM
ORO	ND	0.20		mg/L	1	6/18/2019 04:40 AM
Surr: p-Terphenyl	107	47-130		%REC	1	6/18/2019 04:40 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Client Sample ID: Equipment Blank 1
Lab Order: N035991
Collection Date: 6/11/2019 2:00:00 PM
Project: PEA-E: Abraham Lincoln High School, 12-020-
Matrix: WATER
Lab ID: N035991-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: NV00922-GC7_190619B QC Batch: 74218				PrepDate:	6/14/2019	Analyst: **MDM**
4,4´-DDD	ND	0.50		µg/L	10	6/19/2019 04:23 PM
4,4´-DDE	ND	0.50		µg/L	10	6/19/2019 04:23 PM
4,4´-DDT	ND	0.50		µg/L	10	6/19/2019 04:23 PM
Chlordane	ND	2.5		µg/L	10	6/19/2019 04:23 PM
Surr: Tetrachloro-m-xylene	172	28-113	S	%REC	10	6/19/2019 04:23 PM
Surr: Decachlorobiphenyl	15.3	34-124	S	%REC	10	6/19/2019 04:23 PM
PCBS BY GC/ECD						
EPA 3510C				**EPA 8082**		
RunID: NV00922-GC8_190617B QC Batch: 74218				PrepDate:	6/14/2019	Analyst: **MDM**
Aroclor 1016	ND	0.50		µg/L	1	6/17/2019 03:00 PM
Aroclor 1221	ND	1.0		µg/L	1	6/17/2019 03:00 PM
Aroclor 1232	ND	0.50		µg/L	1	6/17/2019 03:00 PM
Aroclor 1242	ND	0.50		µg/L	1	6/17/2019 03:00 PM
Aroclor 1248	ND	0.50		µg/L	1	6/17/2019 03:00 PM
Aroclor 1254	ND	0.50		µg/L	1	6/17/2019 03:00 PM
Aroclor 1260	ND	0.50		µg/L	1	6/17/2019 03:00 PM
Surr: Decachlorobiphenyl	43.6	36-120		%REC	1	6/17/2019 03:00 PM
Surr: Tetrachloro-m-xylene	322	25-113	S	%REC	1	6/17/2019 03:00 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190613A QC Batch: E19VW041				PrepDate:		Analyst: **QBM**
GRO	ND	0.050		mg/L	1	6/13/2019 03:24 PM
Surr: Chlorobenzene - d5	101	69-149		%REC	1	6/13/2019 03:24 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7470A		
RunID: NV00922-AA1_190613A QC Batch: 74186				PrepDate:	6/13/2019	Analyst: **MG**
Mercury	ND	0.20		µg/L	1	6/13/2019 11:35 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Client Sample ID: TB20190611
Lab Order: N035991
Collection Date:
Project: PEA-E: Abraham Lincoln High School, 12-020-
Matrix: WATER
Lab ID: N035991-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	1	6/18/2019 10:55 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
2-Butanone	ND	5.0		µg/L	1	6/18/2019 10:55 PM
2-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
4-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Benzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Bromobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Bromodichloromethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Bromoform	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Bromomethane	ND	1.0		µg/L	1	6/18/2019 10:55 PM
Carbon tetrachloride	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Chlorobenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Chloroethane	ND	1.0		µg/L	1	6/18/2019 10:55 PM
Chloroform	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Chloromethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 10:55 PM

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

CLIENT: Alisto Engineering Group
Client Sample ID: TB20190611
Lab Order: N035991
Collection Date:
Project: PEA-E: Abraham Lincoln High School, 12-020-
Matrix: WATER
Lab ID: N035991-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Dibromochloromethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Dibromomethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Ethylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Freon-113	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Isopropylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
m,p-Xylene	ND	1.0		µg/L	1	6/18/2019 10:55 PM
Methylene chloride	ND	2.0		µg/L	1	6/18/2019 10:55 PM
MTBE	ND	0.50		µg/L	1	6/18/2019 10:55 PM
n-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
n-Propylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Naphthalene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
o-Xylene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
sec-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Styrene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
tert-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Tetrachloroethene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Toluene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Trichloroethene	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Vinyl chloride	ND	0.50		µg/L	1	6/18/2019 10:55 PM
Surr: 1,2-Dichloroethane-d4	98.4	75-130		%REC	1	6/18/2019 10:55 PM
Surr: 4-Bromofluorobenzene	92.2	80-120		%REC	1	6/18/2019 10:55 PM
Surr: Dibromofluoromethane	99.5	80-128		%REC	1	6/18/2019 10:55 PM
Surr: Toluene-d8	103	80-120		%REC	1	6/18/2019 10:55 PM

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: **MB-74186** SampType: **MBLK** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/13/2019** RunNo: **134478**
Client ID: **PBW** Batch ID: **74186** TestNo: **EPA 7470A** Analysis Date: **6/13/2019** SeqNo: **3409070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Sample ID: **LCS-74186** SampType: **LCS** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/13/2019** RunNo: **134478**
Client ID: **LCSW** Batch ID: **74186** TestNo: **EPA 7470A** Analysis Date: **6/13/2019** SeqNo: **3409071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.989	0.20	5.000	0	99.8	85	115				

Sample ID: **N036000-001A-MS** SampType: **MS** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/13/2019** RunNo: **134478**
Client ID: **ZZZZZZ** Batch ID: **74186** TestNo: **EPA 7470A** Analysis Date: **6/13/2019** SeqNo: **3409072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.816	0.20	5.000	0	96.3	75	125				

Sample ID: **N036000-001A-MSD** SampType: **MSD** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/13/2019** RunNo: **134478**
Client ID: **ZZZZZZ** Batch ID: **74186** TestNo: **EPA 7470A** Analysis Date: **6/13/2019** SeqNo: **3409073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.883	0.20	5.000	0	97.7	75	125	4.816	1.38	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM

Sample ID: **MB-74230** SampType: **MBLK** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **PBW** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
ORO	ND	0.20									
Surr: p-Terphenyl	0.086		0.08000		107	47	130				

Sample ID: **LCS-74230_ORO** SampType: **LCS** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **LCSW** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ORO	1.053	0.20	1.000	0	105	70	130				
Surr: p-Terphenyl	0.077		0.08000		96.7	47	130				

Sample ID: **LCSD-74230_ORO** SampType: **LCSD** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **LCSS02** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ORO	1.156	0.20	1.000	0	116	70	130	1.053	9.40	20	
Surr: p-Terphenyl	0.086		0.08000		107	47	130		0		

Sample ID: **N035979-001BMS** SampType: **MS** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **ZZZZZZ** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414231**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.836	0.20	1.000	0	83.6	31	120				
Surr: p-Terphenyl	0.085		0.08000		107	47	130				

Sample ID: **N035979-001BMSD** SampType: **MSD** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **ZZZZZZ** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM

Sample ID: **N035979-001BMSD** SampType: **MSD** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **ZZZZZZ** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.810	0.20	1.000	0	81.0	31	120	0.8362	3.17	20	
Surr: p-Terphenyl	0.085		0.08000		107	47	130		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

Sample ID: **E190613LCS** SampType: **LCS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134490**
Client ID: **LCSW** Batch ID: **E19VW041** TestNo: **EPA 8015B** Analysis Date: **6/13/2019** SeqNo: **3409697**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.844	0.050	1.000	0	84.4	77	124				
Surr: Chlorobenzene - d5	44.699		50.00		89.4	69	149				

Sample ID: **E190613MB1** SampType: **MBLK** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134490**
Client ID: **PBW** Batch ID: **E19VW041** TestNo: **EPA 8015B** Analysis Date: **6/13/2019** SeqNo: **3409698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Chlorobenzene - d5	49.343		50.00		98.7	69	149				

Sample ID: **N036000-001CMS** SampType: **MS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134490**
Client ID: **ZZZZZZ** Batch ID: **E19VW041** TestNo: **EPA 8015B** Analysis Date: **6/13/2019** SeqNo: **3409702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.829	0.050	1.000	0	82.9	64	133				
Surr: Chlorobenzene - d5	45.819		50.00		91.6	69	149				

Sample ID: **N036000-001CMSD** SampType: **MSD** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134490**
Client ID: **ZZZZZZ** Batch ID: **E19VW041** TestNo: **EPA 8015B** Analysis Date: **6/13/2019** SeqNo: **3409703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.782	0.050	1.000	0	78.2	64	133	0.8290	5.83	30	
Surr: Chlorobenzene - d5	42.556		50.00		85.1	69	149		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081WATER

Sample ID: **LCS-74218_OCP** SampType: **LCS** TestCode: **8081WATER** Units: **µg/L** Prep Date: **6/14/2019** RunNo: **134598**
Client ID: **LCSW** Batch ID: **74218** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **6/19/2019** SeqNo: **3415385**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.242	0.050	0.2500	0	96.7	62	137				
4,4´-DDE	0.212	0.050	0.2500	0	84.8	58	131				
4,4´-DDT	0.234	0.050	0.2500	0	93.7	58	137				
Surr: Tetrachloro-m-xylene	0.113		0.2500		45.2	28	113				
Surr: Decachlorobiphenyl	0.185		0.2500		74.0	34	124				

Sample ID: **LCSD-74218_OCP** SampType: **LCSD** TestCode: **8081WATER** Units: **µg/L** Prep Date: **6/14/2019** RunNo: **134598**
Client ID: **LCSS02** Batch ID: **74218** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **6/19/2019** SeqNo: **3415386**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.257	0.050	0.2500	0	103	62	137	0.2418	6.20	20	
4,4´-DDE	0.224	0.050	0.2500	0	89.8	58	131	0.2120	5.71	20	
4,4´-DDT	0.248	0.050	0.2500	0	99.1	58	137	0.2342	5.65	20	
Surr: Tetrachloro-m-xylene	0.108		0.2500		43.2	28	113		0		
Surr: Decachlorobiphenyl	0.204		0.2500		81.6	34	124		0		

Sample ID: **MB-74218** SampType: **MBLK** TestCode: **8081WATER** Units: **µg/L** Prep Date: **6/14/2019** RunNo: **134598**
Client ID: **PBW** Batch ID: **74218** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **6/19/2019** SeqNo: **3415387**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Chlordane	ND	0.25									
Surr: Tetrachloro-m-xylene	0.122		0.2500		48.9	28	113				
Surr: Decachlorobiphenyl	0.185		0.2500		74.0	34	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **LCS-74218_PCB** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/14/2019** RunNo: **134562**
Client ID: **LCSW** Batch ID: **74218** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414272**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.826	0.50	2.500	0	73.0	44	115				
Aroclor 1260	2.379	0.50	2.500	0	95.1	52	113				
Surr: Decachlorobiphenyl	0.212		0.2500		84.9	36	120				
Surr: Tetrachloro-m-xylene	0.157		0.2500		63.0	25	113				

Sample ID: **LCSD-74218_PCB** SampType: **LCSD** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/14/2019** RunNo: **134562**
Client ID: **LCSS02** Batch ID: **74218** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414273**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.978	0.50	2.500	0	79.1	44	115	1.826	7.98	20	
Aroclor 1260	2.485	0.50	2.500	0	99.4	52	113	2.379	4.36	20	
Surr: Decachlorobiphenyl	0.244		0.2500		97.5	36	120		0		
Surr: Tetrachloro-m-xylene	0.167		0.2500		66.7	25	113		0		

Sample ID: **MB-74218** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/14/2019** RunNo: **134562**
Client ID: **PBW** Batch ID: **74218** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Surr: Decachlorobiphenyl	0.221		0.2500		88.5	36	120				
Surr: Tetrachloro-m-xylene	0.156		0.2500		62.2	25	113				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.400	0.50	20.00	0	102	80	120				
1,1,1-Trichloroethane	20.800	0.50	20.00	0	104	76	128				
1,1,2,2-Tetrachloroethane	22.090	0.50	20.00	0	110	79	124				
1,1,2-Trichloroethane	23.460	0.50	20.00	0	117	80	120				
1,1-Dichloroethane	19.710	0.50	20.00	0	98.6	68	133				
1,1-Dichloroethene	19.080	0.50	20.00	0	95.4	63	132				
1,1-Dichloropropene	20.450	0.50	20.00	0	102	80	127				
1,2,3-Trichlorobenzene	20.750	0.50	20.00	0	104	80	120				
1,2,3-Trichloropropane	18.370	0.50	20.00	0	91.9	80	120				
1,2,4-Trichlorobenzene	18.460	0.50	20.00	0	92.3	80	120				
1,2,4-Trimethylbenzene	20.070	0.50	20.00	0	100	80	123				
1,2-Dibromo-3-chloropropane	18.550	1.0	20.00	0	92.8	71	128				
1,2-Dibromoethane	19.640	0.50	20.00	0	98.2	80	120				
1,2-Dichlorobenzene	19.700	0.50	20.00	0	98.5	80	120				
1,2-Dichloroethane	23.160	0.50	20.00	0	116	80	120				
1,2-Dichloropropane	21.370	0.50	20.00	0	107	80	120				
1,3,5-Trimethylbenzene	20.190	0.50	20.00	0	101	80	125				
1,3-Dichlorobenzene	21.520	0.50	20.00	0	108	80	120				
1,3-Dichloropropane	19.020	0.50	20.00	0	95.1	80	120				
1,4-Dichlorobenzene	19.780	0.50	20.00	0	98.9	80	120				
2,2-Dichloropropane	17.610	0.50	20.00	0	88.0	66	139				
2-Butanone	214.880	5.0	200.0	0	107	55	150				B
2-Chlorotoluene	22.060	0.50	20.00	0	110	83	120				
4-Chlorotoluene	22.000	0.50	20.00	0	110	80	121				
4-Isopropyltoluene	19.540	0.50	20.00	0	97.7	80	126				
Benzene	21.290	0.50	20.00	0	106	80	120				
Bromobenzene	21.770	0.50	20.00	0	109	80	120				
Bromodichloromethane	21.180	0.50	20.00	0	106	80	120				
Bromoform	19.510	0.50	20.00	0	97.6	67	133				
Bromomethane	18.840	1.0	20.00	0	94.2	35	164				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	19.870	0.50	20.00	0	99.4	77	135				
Chlorobenzene	20.440	0.50	20.00	0	102	80	120				
Chloroethane	19.890	1.0	20.00	0	99.4	60	154				
Chloroform	20.550	0.50	20.00	0	103	75	120				
Chloromethane	17.510	0.50	20.00	0	87.6	59	140				
cis-1,2-Dichloroethene	20.760	0.50	20.00	0	104	78	120				
cis-1,3-Dichloropropene	19.210	0.50	20.00	0	96.0	80	120				
Dibromochloromethane	20.500	0.50	20.00	0	103	79	123				
Dibromomethane	22.380	0.50	20.00	0	112	80	120				
Dichlorodifluoromethane	12.650	0.50	20.00	0	63.3	57	147				
Ethylbenzene	20.440	0.50	20.00	0	102	80	120				
Freon-113	18.390	0.50	20.00	0	92.0	52	149				
Hexachlorobutadiene	20.000	0.50	20.00	0	100	73	125				
Isopropylbenzene	19.510	0.50	20.00	0	97.6	68	129				
m,p-Xylene	43.500	1.0	40.00	0	109	80	120				
Methylene chloride	21.730	2.0	20.00	0	109	68	134				
MTBE	19.850	0.50	20.00	0	99.2	67	129				
n-Butylbenzene	19.720	0.50	20.00	0	98.6	79	130				
n-Propylbenzene	21.180	0.50	20.00	0	106	80	128				
Naphthalene	17.890	0.50	20.00	0	89.4	62	126				
o-Xylene	21.050	0.50	20.00	0	105	80	120				
sec-Butylbenzene	19.820	0.50	20.00	0	99.1	80	129				
Styrene	19.590	0.50	20.00	0	98.0	80	120				
tert-Butylbenzene	20.030	0.50	20.00	0	100	80	125				
Tetrachloroethene	19.670	0.50	20.00	0	98.4	78	123				
Toluene	20.780	0.50	20.00	0	104	80	120				
trans-1,2-Dichloroethene	21.200	0.50	20.00	0	106	75	125				
Trichloroethene	18.770	0.50	20.00	0	93.8	80	120				
Trichlorofluoromethane	18.240	0.50	20.00	0	91.2	64	147				
Vinyl chloride	17.920	0.50	20.00	0	89.6	66	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	25.990		25.00		104	75	130				
Surr: 4-Bromofluorobenzene	25.670		25.00		103	80	120				
Surr: Dibromofluoromethane	24.760		25.00		99.0	80	128				
Surr: Toluene-d8	25.820		25.00		103	80	120				

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.430	0.50	20.00	0	102	80	120	20.40	0.147	20	
1,1,1-Trichloroethane	21.760	0.50	20.00	0	109	76	128	20.80	4.51	20	
1,1,2,2-Tetrachloroethane	22.070	0.50	20.00	0	110	79	124	22.09	0.0906	20	
1,1,2-Trichloroethane	23.420	0.50	20.00	0	117	80	120	23.46	0.171	20	
1,1-Dichloroethane	21.210	0.50	20.00	0	106	68	133	19.71	7.33	20	
1,1-Dichloroethene	20.690	0.50	20.00	0	103	63	132	19.08	8.10	20	
1,1-Dichloropropene	19.060	0.50	20.00	0	95.3	80	127	20.45	7.04	20	
1,2,3-Trichlorobenzene	19.370	0.50	20.00	0	96.9	80	120	20.75	6.88	20	
1,2,3-Trichloropropane	18.220	0.50	20.00	0	91.1	80	120	18.37	0.820	20	
1,2,4-Trichlorobenzene	18.720	0.50	20.00	0	93.6	80	120	18.46	1.40	20	
1,2,4-Trimethylbenzene	19.960	0.50	20.00	0	99.8	80	123	20.07	0.550	20	
1,2-Dibromo-3-chloropropane	23.090	1.0	20.00	0	115	71	128	18.55	21.8	20	R
1,2-Dibromoethane	20.120	0.50	20.00	0	101	80	120	19.64	2.41	20	
1,2-Dichlorobenzene	19.490	0.50	20.00	0	97.5	80	120	19.70	1.07	20	
1,2-Dichloroethane	22.350	0.50	20.00	0	112	80	120	23.16	3.56	20	
1,2-Dichloropropane	21.470	0.50	20.00	0	107	80	120	21.37	0.467	20	
1,3,5-Trimethylbenzene	20.080	0.50	20.00	0	100	80	125	20.19	0.546	20	
1,3-Dichlorobenzene	20.620	0.50	20.00	0	103	80	120	21.52	4.27	20	
1,3-Dichloropropane	20.010	0.50	20.00	0	100	80	120	19.02	5.07	20	
1,4-Dichlorobenzene	19.850	0.50	20.00	0	99.2	80	120	19.78	0.353	20	
2,2-Dichloropropane	18.360	0.50	20.00	0	91.8	66	139	17.61	4.17	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	169.940	5.0	200.0	0	85.0	55	150	214.9	23.4	20	BR
2-Chlorotoluene	21.730	0.50	20.00	0	109	83	120	22.06	1.51	20	
4-Chlorotoluene	21.600	0.50	20.00	0	108	80	121	22.00	1.83	20	
4-Isopropyltoluene	19.240	0.50	20.00	0	96.2	80	126	19.54	1.55	20	
Benzene	20.690	0.50	20.00	0	103	80	120	21.29	2.86	20	
Bromobenzene	21.700	0.50	20.00	0	108	80	120	21.77	0.322	20	
Bromodichloromethane	20.690	0.50	20.00	0	103	80	120	21.18	2.34	20	
Bromoform	20.270	0.50	20.00	0	101	67	133	19.51	3.82	20	
Bromomethane	19.050	1.0	20.00	0	95.2	35	164	18.84	1.11	20	
Carbon tetrachloride	20.010	0.50	20.00	0	100	77	135	19.87	0.702	20	
Chlorobenzene	20.470	0.50	20.00	0	102	80	120	20.44	0.147	20	
Chloroethane	19.250	1.0	20.00	0	96.2	60	154	19.89	3.27	20	
Chloroform	20.510	0.50	20.00	0	103	75	120	20.55	0.195	20	
Chloromethane	17.480	0.50	20.00	0	87.4	59	140	17.51	0.171	20	
cis-1,2-Dichloroethene	22.250	0.50	20.00	0	111	78	120	20.76	6.93	20	
cis-1,3-Dichloropropene	18.980	0.50	20.00	0	94.9	80	120	19.21	1.20	20	
Dibromochloromethane	20.140	0.50	20.00	0	101	79	123	20.50	1.77	20	
Dibromomethane	23.810	0.50	20.00	0	119	80	120	22.38	6.19	20	
Dichlorodifluoromethane	11.600	0.50	20.00	0	58.0	57	147	12.65	8.66	20	
Ethylbenzene	21.040	0.50	20.00	0	105	80	120	20.44	2.89	20	
Freon-113	19.500	0.50	20.00	0	97.5	52	149	18.39	5.86	20	
Hexachlorobutadiene	19.690	0.50	20.00	0	98.4	73	125	20.00	1.56	20	
Isopropylbenzene	19.380	0.50	20.00	0	96.9	68	129	19.51	0.669	20	
m,p-Xylene	43.760	1.0	40.00	0	109	80	120	43.50	0.596	20	
Methylene chloride	21.820	2.0	20.00	0	109	68	134	21.73	0.413	20	
MTBE	18.710	0.50	20.00	0	93.6	67	129	19.85	5.91	20	
n-Butylbenzene	19.390	0.50	20.00	0	97.0	79	130	19.72	1.69	20	
n-Propylbenzene	21.120	0.50	20.00	0	106	80	128	21.18	0.284	20	
Naphthalene	17.450	0.50	20.00	0	87.2	62	126	17.89	2.49	20	
o-Xylene	21.470	0.50	20.00	0	107	80	120	21.05	1.98	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	20.260	0.50	20.00	0	101	80	129	19.82	2.20	20	
Styrene	19.910	0.50	20.00	0	99.6	80	120	19.59	1.62	20	
tert-Butylbenzene	19.840	0.50	20.00	0	99.2	80	125	20.03	0.953	20	
Tetrachloroethene	19.580	0.50	20.00	0	97.9	78	123	19.67	0.459	20	
Toluene	20.640	0.50	20.00	0	103	80	120	20.78	0.676	20	
trans-1,2-Dichloroethene	21.010	0.50	20.00	0	105	75	125	21.20	0.900	20	
Trichloroethene	19.860	0.50	20.00	0	99.3	80	120	18.77	5.64	20	
Trichlorofluoromethane	18.820	0.50	20.00	0	94.1	64	147	18.24	3.13	20	
Vinyl chloride	17.920	0.50	20.00	0	89.6	66	140	17.92	0	20	
Surr: 1,2-Dichloroethane-d4	25.700		25.00		103	75	130		0		
Surr: 4-Bromofluorobenzene	25.960		25.00		104	80	120		0		
Surr: Dibromofluoromethane	25.480		25.00		102	80	128		0		
Surr: Toluene-d8	25.260		25.00		101	80	120		0		

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	16.090	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N035991
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	27.340		25.00		109	75	130				
Surr: 4-Bromofluorobenzene	24.950		25.00		99.8	80	120				
Surr: Dibromofluoromethane	26.860		25.00		107	80	128				
Surr: Toluene-d8	26.760		25.00		107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

N035991

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos
marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax:

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
				X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	TPH by EPA 8015M G D/T	CAM-17 Metals by EPA 6010B/7471A	VOCs by EPA 8260B	OCPs by EPA 8081A	PCBs by EPA 8082				Lead - Soluble STLC/TCLP			Notes:
					---	---	---	---	---	---						OCPs by EPA Method 8081A Chlordane and DDE/DDT/DDD
Equipment Blank 1	6/11/2019	1400	7	Water	X	X	X	X	X							N035991-01

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/12/19	1110	Karla Sevilla	6/12/19	1110
Karla Sevilla	6/12/19	1414	MARIANNE SANTOS	6/12/19	1414
MARIANNE SANTOS	6/12/19	1700	Jonathan Rodriguez	6/13/19	8:55

SPECIAL INSTRUCTIONS:
1.7°C Jar #2
GSO #: 7834

F:\12 SoCal\12-020 LAUSD\Phase 7 - Abraham Lincoln PEA-E Sampling\Pre-Field\COC (Soil-Asbestos-Waste) - 12-020-07 Abraham Lincoln HS - PEA-E

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/12/2019	Workorder:	N035991
Rep sample Temp (Deg C):	1.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7834	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☑	No ☐	NA ☐
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 6/17/2019

Reviewed By: MBC 6/18/2019

AssetLabs Sample Control

From: Marianne Santos <marianne@assetlaboratories.com>
Sent: Friday, June 14, 2019 8:29 AM
To: 'James Ramos'
Cc: 'Hamidou Barry'; 'AssetLabs Sample Control'; 'Yoandra Rodriguez'
Subject: RE: Abraham Lincoln HS (Asset No. N035991)

Hi James,

We will include the Trip Blank on this COC. No worries.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

ASSET LABORATORIES - Serving Clients with Passion and Professionalism

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From: James Ramos [mailto:jramos@alisto.com]
Sent: Thursday, June 13, 2019 9:49 PM
To: Marianne
Cc: Hamidou Barry; AssetLabs Sample Control; Yoandra Rodriguez
Subject: Re: Abraham Lincoln HS (Asset No. N035991)

Hi Marianne,

I think we forgot to include the trip blank on the COC. The following equipment blank on this COC is from the rinse of the equipment we used (hand auger).

Regards,

James Ramos, QSP, CESSWI, EIT
Project Engineer
2737 North Main Street, Suite 200 Walnut Creek, CA 94597
Office: (925) 279-5000 • **Fax**: (925) 279-5001 • **Cell**: (707) 342-5669
jramos@alisto.com

ALISTO ENGINEERING GROUP

From: "Marianne" <marianne@assetlaboratories.com>
To: "James Ramos" <jramos@alisto.com>

Cc: "Hamidou Barry" <hbarry@alisto.com>, "AssetLabs Sample Control" <samplecontrol@assetlaboratories.com>, "Yoandra Rodriguez" <yoandra@assetlaboratories.com>
Sent: Thursday, June 13, 2019 1:55:49 PM
Subject: Abraham Lincoln HS (Asset No. N035991)

Hi James,

Please confirm the Trip Blank that we received on 6/12/19 (TB20190611) for the attached COC.

Thanks,

Marianne Santos
Project Manager
Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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ASSET Laboratories

WORK ORDER Summary

14-Jun-19

WorkOrder: N035991

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/12/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N035991-001A	Equipment Blank 1	6/11/2019 2:00:00 PM	6/19/2019	Water	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N035991-001B			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
N035991-001C			6/19/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE/PCB	☐	☐	☐	WW
			6/19/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			6/19/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	☐	☐	☐	WW
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WW
			6/19/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WW
N035991-001D			6/19/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☑	☐	☐	WW
			6/19/2019		EPA 6010B	TOTAL METALS BY ICP	☑	☐	☐	WW
			6/19/2019			MERCURY PREP	☐	☐	☐	WW
			6/19/2019		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N035991-001E			6/19/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☑	SUB
			6/19/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N035991-002A	TB20190611						☐	☐	☐	V-CA
N035991-003A	FOLDER	6/19/2019	6/19/2019		Folder	Folder	☐	☐	☐	LAB
			6/19/2019		Folder	Folder	☐	☐	☐	LAB

ASSET Laboratories
3151-3153 W Post Rd., Las Vegas, NV 89118
www.atl-labs.com
TEL: 7023072659 *FAX: 7023072691*

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

Silver State Analytical Laboratory
3638 E. Sunset Road, Suite 100
Las Vegas, NV 89120

TEL: (702) 873-4478
FAX: (702) 873-7967
Acct #:

Field Sampler : Signed

14-Jun-19

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 6010B		
N035991-001E / Equipment Blank 1	Water	6/11/2019 2:00:00 PM	8OZP	1		

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#:N35991A Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marianne Santos at (562)-219-7435. Please e-mail results to reports@assetlaboratories.com by: Normal TAT.

Please analyze for CAM 17 by 6010, no Hg.

		Date/Time			Date/Time
Relinquished by:	[signature]	6/14/19 1256	**Received by:**	[signature]	6-14-19 1256
Relinquished by:			**Received by:**		

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545137834

CPS

LAS VEGAS

C89102A

4148815

LVS NV891-C51

Print Date: 6/12/2019 5:04 PM

Package 1 of 3

Pk#2 1.7

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

June 24, 2019

Marlon Cartin
Asset Labs - ATL
3151-3153 W. Post Rd.
Las Vegas, NV 89118

Lab ID:
☒ Las Vegas, NV (NV930, CA3029)
☐ Reno, NV (NV015, CA2526)

Project:

Workorder No.: 19060890

Dear Marlon Cartin:

Silver State Labs-Las Vegas received 1 sample(s) on 6/14/2019 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results reported as non-detect (ND) in the result field are below the Practical Quantification Limit (PQL). Analytical results above the PQL are reported as the measured value in the results field.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John Sloan

John Sloan
Laboratory Technical Director
3626 E. Sunset Road, Suite 100
Las Vegas, NV 89120

Silver State Labs-Las Vegas
3626 E. Sunset Road, Suite 100
Las Vegas, NV 89120
(702) 873-4478 FAX: (702) 873-7967
www.ssalabs.com

Analytical Report

WO#: **19060890**
Date Reported: **6/24/2019**

CLIENT: Asset Labs - ATL
Collection Date: 6/11/2019 2:00:00 PM
Project:
Lab ID: 19060890-01
Matrix: WATER
Client Sample ID N035991-001E / Equipment Blank 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CAM17 METALS-SOLID METALS RCRA, SOLID				**EPA 6010B**		Analyst: **JCT**
Antimony	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Arsenic	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Barium	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Beryllium	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Cadmium	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Chromium	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Cobalt	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Copper	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Lead	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Molybdenum	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Nickel	ND	0.0100		mg/L	1	6/18/2019 12:45:08 PM
Selenium	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Silver	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Thallium	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Vanadium	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM
Zinc	ND	0.0500		mg/L	1	6/18/2019 12:45:08 PM

Qualifiers: (Qual)

DF	Dilution Factor.	H	Holding times for preparation or analysis exceeded.
MCL	Maximum Contaminant Level.	ND	Not Detected at the PQL.
PQL	Practical Quantitation Limit.		

Original

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800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

July 01, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036053

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Sample was analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to American Environmental Testing Laboratory (AETL), Burbank, CA.

Analytical Comment For EPA 8015_DRO/ORO:

QC for LCS/LCSD_DRO was inadvertently missed during extraction; however, LCS/LCSD_ORO and MS/MSD_DRO passed recoveries. Re-extraction is not possible due to limited sample.

Analytical Comments for EPA 8260B:

Method Blank has hit above the reporting limit for 2-Butanone. Sample results were non-detect (ND) for analytes of interest therefore reanalysis of the sample was not necessary.

RPD for Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) is outside criteria for 2-Butanone and 1,2-Dibromo-3-chloropropane. Analyte recovery on both met acceptance criteria.

ASSET Laboratories

Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036053
Lab Order:
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036053-001A	Equipment Blank 2	Water	6/12/2019 3:10:00 PM	6/14/2019	7/1/2019
N036053-001B	Equipment Blank 2	Water	6/12/2019 3:10:00 PM	6/14/2019	7/1/2019
N036053-001C	Equipment Blank 2	Water	6/12/2019 3:10:00 PM	6/14/2019	7/1/2019
N036053-001D	Equipment Blank 2	Water	6/12/2019 3:10:00 PM	6/14/2019	7/1/2019
N036053-001E	Equipment Blank 2	Water	6/12/2019 3:10:00 PM	6/14/2019	7/1/2019
N036053-002A	Equipment Blank 3	Water	6/12/2019 2:05:00 PM	6/14/2019	7/1/2019
N036053-002B	Equipment Blank 3	Water	6/12/2019 2:05:00 PM	6/14/2019	7/1/2019
N036053-002C	Equipment Blank 3	Water	6/12/2019 2:05:00 PM	6/14/2019	7/1/2019
N036053-002D	Equipment Blank 3	Water	6/12/2019 2:05:00 PM	6/14/2019	7/1/2019
N036053-002E	Equipment Blank 3	Water	6/12/2019 2:05:00 PM	6/14/2019	7/1/2019
N036053-003A	TB20190612	Water	6/13/2019	6/14/2019	7/1/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036053-001

Client Sample ID: Equipment Blank 2
Collection Date: 6/12/2019 3:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054				PrepDate:	Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	1	6/18/2019 11:19 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
2-Butanone	ND	5.0		µg/L	1	6/18/2019 11:19 PM
2-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
4-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Benzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Bromobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Bromodichloromethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Bromoform	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Bromomethane	ND	1.0		µg/L	1	6/18/2019 11:19 PM
Carbon tetrachloride	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Chlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Chloroethane	ND	1.0		µg/L	1	6/18/2019 11:19 PM
Chloroform	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Chloromethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 11:19 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036053-001

Client Sample ID: Equipment Blank 2
Collection Date: 6/12/2019 3:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Dibromochloromethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Dibromomethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Ethylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Freon-113	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Isopropylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
m,p-Xylene	ND	1.0		µg/L	1	6/18/2019 11:19 PM
Methylene chloride	ND	2.0		µg/L	1	6/18/2019 11:19 PM
MTBE	ND	0.50		µg/L	1	6/18/2019 11:19 PM
n-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
n-Propylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Naphthalene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
o-Xylene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
sec-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Styrene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
tert-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Tetrachloroethene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Toluene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Trichloroethene	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Vinyl chloride	ND	0.50		µg/L	1	6/18/2019 11:19 PM
Surr: 1,2-Dichloroethane-d4	104	75-130		%REC	1	6/18/2019 11:19 PM
Surr: 4-Bromofluorobenzene	90.8	80-120		%REC	1	6/18/2019 11:19 PM
Surr: Dibromofluoromethane	107	80-128		%REC	1	6/18/2019 11:19 PM
Surr: Toluene-d8	102	80-120		%REC	1	6/18/2019 11:19 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B**		
RunID: NV00922-GC3_190617C	QC Batch: 74230			PrepDate:	6/17/2019	Analyst: **LLR**
DRO	ND	0.20		mg/L	1	6/18/2019 06:04 AM
ORO	ND	0.20		mg/L	1	6/18/2019 06:04 AM
Surr: p-Terphenyl	96.4	47-130		%REC	1	6/18/2019 06:04 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036053-001

Client Sample ID: Equipment Blank 2
Collection Date: 6/12/2019 3:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: NV00922-GC7_190621A QC Batch: 74264				PrepDate:	6/19/2019	Analyst: **MDM**
4,4´-DDD	ND	0.050		µg/L	1	6/22/2019 07:59 AM
4,4´-DDE	ND	0.050		µg/L	1	6/22/2019 07:59 AM
4,4´-DDT	ND	0.050		µg/L	1	6/22/2019 07:59 AM
Chlordane	ND	0.25		µg/L	1	6/22/2019 07:59 AM
Surr: Tetrachloro-m-xylene	57.6	28-113		%REC	1	6/22/2019 07:59 AM
Surr: Decachlorobiphenyl	70.4	34-124		%REC	1	6/22/2019 07:59 AM
PCBS BY GC/ECD						
EPA 3510C				**EPA 8082**		
RunID: NV00922-GC7_190619E QC Batch: 74264				PrepDate:	6/19/2019	Analyst: **MDM**
Aroclor 1016	ND	0.50		µg/L	1	6/20/2019 11:11 AM
Aroclor 1221	ND	1.0		µg/L	1	6/20/2019 11:11 AM
Aroclor 1232	ND	0.50		µg/L	1	6/20/2019 11:11 AM
Aroclor 1242	ND	0.50		µg/L	1	6/20/2019 11:11 AM
Aroclor 1248	ND	0.50		µg/L	1	6/20/2019 11:11 AM
Aroclor 1254	ND	0.50		µg/L	1	6/20/2019 11:11 AM
Aroclor 1260	ND	0.50		µg/L	1	6/20/2019 11:11 AM
Surr: Decachlorobiphenyl	85.1	36-120		%REC	1	6/20/2019 11:11 AM
Surr: Tetrachloro-m-xylene	65.3	25-113		%REC	1	6/20/2019 11:11 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190617A QC Batch: E19VW042				PrepDate:		Analyst: **QBM**
GRO	ND	0.050		mg/L	1	6/17/2019 12:36 PM
Surr: Chlorobenzene - d5	115	69-149		%REC	1	6/17/2019 12:36 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7470A		
RunID: NV00922-AA1_190617B QC Batch: 74228				PrepDate:	6/17/2019	Analyst: **MG**
Mercury	ND	0.20		µg/L	1	6/17/2019 01:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036053-002

Client Sample ID: Equipment Blank 3
Collection Date: 6/12/2019 2:05:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,1-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,1-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	1	6/18/2019 11:43 PM
1,2-Dibromoethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,3-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
2,2-Dichloropropane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
2-Butanone	ND	5.0		µg/L	1	6/18/2019 11:43 PM
2-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
4-Chlorotoluene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
4-Isopropyltoluene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Benzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Bromobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Bromodichloromethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Bromoform	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Bromomethane	ND	1.0		µg/L	1	6/18/2019 11:43 PM
Carbon tetrachloride	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Chlorobenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Chloroethane	ND	1.0		µg/L	1	6/18/2019 11:43 PM
Chloroform	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Chloromethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 11:43 PM

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036053-002

Client Sample ID: Equipment Blank 3
Collection Date: 6/12/2019 2:05:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Dibromochloromethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Dibromomethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Dichlorodifluoromethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Ethylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Freon-113	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Hexachlorobutadiene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Isopropylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
m,p-Xylene	ND	1.0		µg/L	1	6/18/2019 11:43 PM
Methylene chloride	ND	2.0		µg/L	1	6/18/2019 11:43 PM
MTBE	ND	0.50		µg/L	1	6/18/2019 11:43 PM
n-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
n-Propylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Naphthalene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
o-Xylene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
sec-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Styrene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
tert-Butylbenzene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Tetrachloroethene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Toluene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Trichloroethene	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Trichlorofluoromethane	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Vinyl chloride	ND	0.50		µg/L	1	6/18/2019 11:43 PM
Surr: 1,2-Dichloroethane-d4	110	75-130		%REC	1	6/18/2019 11:43 PM
Surr: 4-Bromofluorobenzene	95.4	80-120		%REC	1	6/18/2019 11:43 PM
Surr: Dibromofluoromethane	105	80-128		%REC	1	6/18/2019 11:43 PM
Surr: Toluene-d8	107	80-120		%REC	1	6/18/2019 11:43 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B**		
RunID: NV00922-GC3_190617C	QC Batch: 74230			PrepDate:	6/17/2019	Analyst: **LLR**
DRO	ND	0.20		mg/L	1	6/18/2019 01:53 AM
ORO	ND	0.20		mg/L	1	6/18/2019 01:53 AM
Surr: p-Terphenyl	111	47-130		%REC	1	6/18/2019 01:53 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Lab Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036053-002

Client Sample ID: Equipment Blank 3
Collection Date: 6/12/2019 2:05:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: NV00922-GC7_190621A QC Batch: 74264				PrepDate: 6/19/2019		Analyst: **MDM**
4,4´-DDD	ND	0.050		µg/L	1	6/22/2019 08:25 AM
4,4´-DDE	ND	0.050		µg/L	1	6/22/2019 08:25 AM
4,4´-DDT	ND	0.050		µg/L	1	6/22/2019 08:25 AM
Chlordane	ND	0.25		µg/L	1	6/22/2019 08:25 AM
Surr: Tetrachloro-m-xylene	63.4	28-113		%REC	1	6/22/2019 08:25 AM
Surr: Decachlorobiphenyl	73.0	34-124		%REC	1	6/22/2019 08:25 AM
PCBS BY GC/ECD						
EPA 3510C				**EPA 8082**		
RunID: NV00922-GC7_190619E QC Batch: 74264				PrepDate: 6/19/2019		Analyst: **MDM**
Aroclor 1016	ND	0.50		µg/L	1	6/20/2019 11:36 AM
Aroclor 1221	ND	1.0		µg/L	1	6/20/2019 11:36 AM
Aroclor 1232	ND	0.50		µg/L	1	6/20/2019 11:36 AM
Aroclor 1242	ND	0.50		µg/L	1	6/20/2019 11:36 AM
Aroclor 1248	ND	0.50		µg/L	1	6/20/2019 11:36 AM
Aroclor 1254	ND	0.50		µg/L	1	6/20/2019 11:36 AM
Aroclor 1260	ND	0.50		µg/L	1	6/20/2019 11:36 AM
Surr: Decachlorobiphenyl	91.0	36-120		%REC	1	6/20/2019 11:36 AM
Surr: Tetrachloro-m-xylene	74.3	25-113		%REC	1	6/20/2019 11:36 AM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190617A QC Batch: E19VW042				PrepDate:		Analyst: **QBM**
GRO	ND	0.050		mg/L	1	6/17/2019 01:07 PM
Surr: Chlorobenzene - d5	111	69-149		%REC	1	6/17/2019 01:07 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7470A		
RunID: NV00922-AA1_190617B QC Batch: 74228				PrepDate: 6/17/2019		Analyst: **MG**
Mercury	ND	0.20		µg/L	1	6/17/2019 01:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	TB20190612
Lab Order:	N036053	**Collection Date:**	6/13/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	WATER
Lab ID:	N036053-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,1-Dichloroethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,1-Dichloroethene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,1-Dichloropropene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2,3-Trichloropropane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	1	6/19/2019 12:08 AM
1,2-Dibromoethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2-Dichloroethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,2-Dichloropropane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,3-Dichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,3-Dichloropropane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
2,2-Dichloropropane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
2-Butanone	ND	5.0		µg/L	1	6/19/2019 12:08 AM
2-Chlorotoluene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
4-Chlorotoluene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
4-Isopropyltoluene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Benzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Bromobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Bromodichloromethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Bromoform	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Bromomethane	ND	1.0		µg/L	1	6/19/2019 12:08 AM
Carbon tetrachloride	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Chlorobenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Chloroethane	ND	1.0		µg/L	1	6/19/2019 12:08 AM
Chloroform	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Chloromethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	6/19/2019 12:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *01-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	TB20190612
Lab Order:	N036053	**Collection Date:**	6/13/2019
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	WATER
Lab ID:	N036053-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190618A	QC Batch: CA19VW054			PrepDate:		Analyst: **AW**
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Dibromochloromethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Dibromomethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Dichlorodifluoromethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Ethylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Freon-113	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Hexachlorobutadiene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Isopropylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
m,p-Xylene	ND	1.0		µg/L	1	6/19/2019 12:08 AM
Methylene chloride	ND	2.0		µg/L	1	6/19/2019 12:08 AM
MTBE	ND	0.50		µg/L	1	6/19/2019 12:08 AM
n-Butylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
n-Propylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Naphthalene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
o-Xylene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
sec-Butylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Styrene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
tert-Butylbenzene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Tetrachloroethene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Toluene	0.62	0.50		µg/L	1	6/19/2019 12:08 AM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Trichloroethene	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Trichlorofluoromethane	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Vinyl chloride	ND	0.50		µg/L	1	6/19/2019 12:08 AM
Surr: 1,2-Dichloroethane-d4	101	75-130		%REC	1	6/19/2019 12:08 AM
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	6/19/2019 12:08 AM
Surr: Dibromofluoromethane	100	80-128		%REC	1	6/19/2019 12:08 AM
Surr: Toluene-d8	109	80-120		%REC	1	6/19/2019 12:08 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: **MB-74228** SampType: **MBLK** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/17/2019** RunNo: **134552**
Client ID: **PBW** Batch ID: **74228** TestNo: **EPA 7470A** Analysis Date: **6/17/2019** SeqNo: **3414143**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Sample ID: **LCS-74228** SampType: **LCS** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/17/2019** RunNo: **134552**
Client ID: **LCSW** Batch ID: **74228** TestNo: **EPA 7470A** Analysis Date: **6/17/2019** SeqNo: **3414145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.754	0.20	5.000	0	95.1	85	115				

Sample ID: **N036071-001A-MS** SampType: **MS** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/17/2019** RunNo: **134552**
Client ID: **ZZZZZZ** Batch ID: **74228** TestNo: **EPA 7470A** Analysis Date: **6/17/2019** SeqNo: **3414146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.917	0.20	5.000	0	98.3	75	125				

Sample ID: **N036071-001A-MSD** SampType: **MSD** TestCode: **7470_W** Units: **µg/L** Prep Date: **6/17/2019** RunNo: **134552**
Client ID: **ZZZZZZ** Batch ID: **74228** TestNo: **EPA 7470A** Analysis Date: **6/17/2019** SeqNo: **3414147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.868	0.20	5.000	0	97.4	75	125	4.917	1.01	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM

Sample ID: **MB-74230** SampType: **MBLK** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **PBW** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
ORO	ND	0.20									
Surr: p-Terphenyl	0.086		0.08000		107	47	130				

Sample ID: **LCS-74230_ORO** SampType: **LCS** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **LCSW** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ORO	1.053	0.20	1.000	0	105	70	130				
Surr: p-Terphenyl	0.077		0.08000		96.7	47	130				

Sample ID: **LCSD-74230_ORO** SampType: **LCSD** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **LCSS02** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ORO	1.156	0.20	1.000	0	116	70	130	1.053	9.40	20	
Surr: p-Terphenyl	0.086		0.08000		107	47	130		0		

Sample ID: **N035979-001BMS** SampType: **MS** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **ZZZZZZ** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414231**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.836	0.20	1.000	0	83.6	31	120				
Surr: p-Terphenyl	0.085		0.08000		107	47	130				

Sample ID: **N035979-001BMSD** SampType: **MSD** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **ZZZZZZ** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM

Sample ID: **N035979-001BMSD** SampType: **MSD** TestCode: **8015_W_DM** Units: **mg/L** Prep Date: **6/17/2019** RunNo: **134559**
Client ID: **ZZZZZZ** Batch ID: **74230** TestNo: **EPA 8015B** **EPA 3510C** Analysis Date: **6/17/2019** SeqNo: **3414232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.810	0.20	1.000	0	81.0	31	120	0.8362	3.17	20	
Surr: p-Terphenyl	0.085		0.08000		107	47	130		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

Sample ID: **E190617LCS** SampType: **LCS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134558**
Client ID: **LCSW** Batch ID: **E19VW042** TestNo: **EPA 8015B** Analysis Date: **6/17/2019** SeqNo: **3414252**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.904	0.050	1.000	0	90.4	77	124				
Surr: Chlorobenzene - d5	47.259		50.00		94.5	69	149				

Sample ID: **E190617MB1** SampType: **MBLK** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134558**
Client ID: **PBW** Batch ID: **E19VW042** TestNo: **EPA 8015B** Analysis Date: **6/17/2019** SeqNo: **3414253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.019	0.050									
Surr: Chlorobenzene - d5	52.072		50.00		104	69	149				

Sample ID: **N036071-001CMS** SampType: **MS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134558**
Client ID: **ZZZZZZ** Batch ID: **E19VW042** TestNo: **EPA 8015B** Analysis Date: **6/17/2019** SeqNo: **3414259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.841	0.050	1.000	0	84.1	64	133				
Surr: Chlorobenzene - d5	49.313		50.00		98.6	69	149				

Sample ID: **N036071-001CMSD** SampType: **MSD** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **134558**
Client ID: **ZZZZZZ** Batch ID: **E19VW042** TestNo: **EPA 8015B** Analysis Date: **6/17/2019** SeqNo: **3414260**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.903	0.050	1.000	0	90.3	64	133	0.8410	7.11	30	
Surr: Chlorobenzene - d5	48.430		50.00		96.9	69	149		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081WATER

Sample ID: **LCS-74264_OCP** SampType: **LCS** TestCode: **8081WATER** Units: **µg/L** Prep Date: **6/19/2019** RunNo: **134690**
Client ID: **LCSW** Batch ID: **74264** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **6/22/2019** SeqNo: **3419149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.229	0.050	0.2500	0	91.6	62	137				
4,4´-DDE	0.212	0.050	0.2500	0	84.8	58	131				
4,4´-DDT	0.220	0.050	0.2500	0	88.0	58	137				
Surr: Tetrachloro-m-xylene	0.114		0.2500		45.6	28	113				
Surr: Decachlorobiphenyl	0.179		0.2500		71.4	34	124				

Sample ID: **LCSD-74264_OCP** SampType: **LCSD** TestCode: **8081WATER** Units: **µg/L** Prep Date: **6/19/2019** RunNo: **134690**
Client ID: **LCSS02** Batch ID: **74264** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **6/22/2019** SeqNo: **3419150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.217	0.050	0.2500	0	86.9	62	137	0.2291	5.29	20	
4,4´-DDE	0.205	0.050	0.2500	0	82.1	58	131	0.2119	3.19	20	
4,4´-DDT	0.211	0.050	0.2500	0	84.5	58	137	0.2201	4.12	20	
Surr: Tetrachloro-m-xylene	0.097		0.2500		38.7	28	113		0		
Surr: Decachlorobiphenyl	0.177		0.2500		70.8	34	124		0		

Sample ID: **MB-74264** SampType: **MBLK** TestCode: **8081WATER** Units: **µg/L** Prep Date: **6/19/2019** RunNo: **134690**
Client ID: **PBW** Batch ID: **74264** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **6/22/2019** SeqNo: **3419151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Chlordane	ND	0.25									
Surr: Tetrachloro-m-xylene	0.085		0.2500		33.9	28	113				
Surr: Decachlorobiphenyl	0.187		0.2500		74.7	34	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **LCS-74264_PCB** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/19/2019** RunNo: **134625**
Client ID: **LCSW** Batch ID: **74264** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **6/20/2019** SeqNo: **3416536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.193	0.50	2.500	0	87.7	44	115				
Aroclor 1260	2.275	0.50	2.500	0	91.0	52	113				
Surr: Decachlorobiphenyl	0.208		0.2500		83.2	36	120				
Surr: Tetrachloro-m-xylene	0.179		0.2500		71.6	25	113				

Sample ID: **LCSD-74264_PCB** SampType: **LCSD** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/19/2019** RunNo: **134625**
Client ID: **LCSS02** Batch ID: **74264** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **6/20/2019** SeqNo: **3416537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.991	0.50	2.500	0	79.6	44	115	2.193	9.67	20	
Aroclor 1260	2.206	0.50	2.500	0	88.2	52	113	2.275	3.08	20	
Surr: Decachlorobiphenyl	0.204		0.2500		81.5	36	120		0		
Surr: Tetrachloro-m-xylene	0.110		0.2500		44.1	25	113		0		

Sample ID: **MB-74264** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/19/2019** RunNo: **134625**
Client ID: **PBW** Batch ID: **74264** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **6/20/2019** SeqNo: **3416538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Surr: Decachlorobiphenyl	0.224		0.2500		89.6	36	120				
Surr: Tetrachloro-m-xylene	0.098		0.2500		39.2	25	113				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.400	0.50	20.00	0	102	80	120				
1,1,1-Trichloroethane	20.800	0.50	20.00	0	104	76	128				
1,1,2,2-Tetrachloroethane	22.090	0.50	20.00	0	110	79	124				
1,1,2-Trichloroethane	23.460	0.50	20.00	0	117	80	120				
1,1-Dichloroethane	19.710	0.50	20.00	0	98.6	68	133				
1,1-Dichloroethene	19.080	0.50	20.00	0	95.4	63	132				
1,1-Dichloropropene	20.450	0.50	20.00	0	102	80	127				
1,2,3-Trichlorobenzene	20.750	0.50	20.00	0	104	80	120				
1,2,3-Trichloropropane	18.370	0.50	20.00	0	91.9	80	120				
1,2,4-Trichlorobenzene	18.460	0.50	20.00	0	92.3	80	120				
1,2,4-Trimethylbenzene	20.070	0.50	20.00	0	100	80	123				
1,2-Dibromo-3-chloropropane	18.550	1.0	20.00	0	92.8	71	128				
1,2-Dibromoethane	19.640	0.50	20.00	0	98.2	80	120				
1,2-Dichlorobenzene	19.700	0.50	20.00	0	98.5	80	120				
1,2-Dichloroethane	23.160	0.50	20.00	0	116	80	120				
1,2-Dichloropropane	21.370	0.50	20.00	0	107	80	120				
1,3,5-Trimethylbenzene	20.190	0.50	20.00	0	101	80	125				
1,3-Dichlorobenzene	21.520	0.50	20.00	0	108	80	120				
1,3-Dichloropropane	19.020	0.50	20.00	0	95.1	80	120				
1,4-Dichlorobenzene	19.780	0.50	20.00	0	98.9	80	120				
2,2-Dichloropropane	17.610	0.50	20.00	0	88.0	66	139				
2-Butanone	214.880	5.0	200.0	0	107	55	150				B
2-Chlorotoluene	22.060	0.50	20.00	0	110	83	120				
4-Chlorotoluene	22.000	0.50	20.00	0	110	80	121				
4-Isopropyltoluene	19.540	0.50	20.00	0	97.7	80	126				
Benzene	21.290	0.50	20.00	0	106	80	120				
Bromobenzene	21.770	0.50	20.00	0	109	80	120				
Bromodichloromethane	21.180	0.50	20.00	0	106	80	120				
Bromoform	19.510	0.50	20.00	0	97.6	67	133				
Bromomethane	18.840	1.0	20.00	0	94.2	35	164				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	19.870	0.50	20.00	0	99.4	77	135				
Chlorobenzene	20.440	0.50	20.00	0	102	80	120				
Chloroethane	19.890	1.0	20.00	0	99.4	60	154				
Chloroform	20.550	0.50	20.00	0	103	75	120				
Chloromethane	17.510	0.50	20.00	0	87.6	59	140				
cis-1,2-Dichloroethene	20.760	0.50	20.00	0	104	78	120				
cis-1,3-Dichloropropene	19.210	0.50	20.00	0	96.0	80	120				
Dibromochloromethane	20.500	0.50	20.00	0	103	79	123				
Dibromomethane	22.380	0.50	20.00	0	112	80	120				
Dichlorodifluoromethane	12.650	0.50	20.00	0	63.3	57	147				
Ethylbenzene	20.440	0.50	20.00	0	102	80	120				
Freon-113	18.390	0.50	20.00	0	92.0	52	149				
Hexachlorobutadiene	20.000	0.50	20.00	0	100	73	125				
Isopropylbenzene	19.510	0.50	20.00	0	97.6	68	129				
m,p-Xylene	43.500	1.0	40.00	0	109	80	120				
Methylene chloride	21.730	2.0	20.00	0	109	68	134				
MTBE	19.850	0.50	20.00	0	99.2	67	129				
n-Butylbenzene	19.720	0.50	20.00	0	98.6	79	130				
n-Propylbenzene	21.180	0.50	20.00	0	106	80	128				
Naphthalene	17.890	0.50	20.00	0	89.4	62	126				
o-Xylene	21.050	0.50	20.00	0	105	80	120				
sec-Butylbenzene	19.820	0.50	20.00	0	99.1	80	129				
Styrene	19.590	0.50	20.00	0	98.0	80	120				
tert-Butylbenzene	20.030	0.50	20.00	0	100	80	125				
Tetrachloroethene	19.670	0.50	20.00	0	98.4	78	123				
Toluene	20.780	0.50	20.00	0	104	80	120				
trans-1,2-Dichloroethene	21.200	0.50	20.00	0	106	75	125				
Trichloroethene	18.770	0.50	20.00	0	93.8	80	120				
Trichlorofluoromethane	18.240	0.50	20.00	0	91.2	64	147				
Vinyl chloride	17.920	0.50	20.00	0	89.6	66	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCS** SampType: **LCS** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	25.990		25.00		104	75	130				
Surr: 4-Bromofluorobenzene	25.670		25.00		103	80	120				
Surr: Dibromofluoromethane	24.760		25.00		99.0	80	128				
Surr: Toluene-d8	25.820		25.00		103	80	120				

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	20.430	0.50	20.00	0	102	80	120	20.40	0.147	20	
1,1,1-Trichloroethane	21.760	0.50	20.00	0	109	76	128	20.80	4.51	20	
1,1,2,2-Tetrachloroethane	22.070	0.50	20.00	0	110	79	124	22.09	0.0906	20	
1,1,2-Trichloroethane	23.420	0.50	20.00	0	117	80	120	23.46	0.171	20	
1,1-Dichloroethane	21.210	0.50	20.00	0	106	68	133	19.71	7.33	20	
1,1-Dichloroethene	20.690	0.50	20.00	0	103	63	132	19.08	8.10	20	
1,1-Dichloropropene	19.060	0.50	20.00	0	95.3	80	127	20.45	7.04	20	
1,2,3-Trichlorobenzene	19.370	0.50	20.00	0	96.9	80	120	20.75	6.88	20	
1,2,3-Trichloropropane	18.220	0.50	20.00	0	91.1	80	120	18.37	0.820	20	
1,2,4-Trichlorobenzene	18.720	0.50	20.00	0	93.6	80	120	18.46	1.40	20	
1,2,4-Trimethylbenzene	19.960	0.50	20.00	0	99.8	80	123	20.07	0.550	20	
1,2-Dibromo-3-chloropropane	23.090	1.0	20.00	0	115	71	128	18.55	21.8	20	R
1,2-Dibromoethane	20.120	0.50	20.00	0	101	80	120	19.64	2.41	20	
1,2-Dichlorobenzene	19.490	0.50	20.00	0	97.5	80	120	19.70	1.07	20	
1,2-Dichloroethane	22.350	0.50	20.00	0	112	80	120	23.16	3.56	20	
1,2-Dichloropropane	21.470	0.50	20.00	0	107	80	120	21.37	0.467	20	
1,3,5-Trimethylbenzene	20.080	0.50	20.00	0	100	80	125	20.19	0.546	20	
1,3-Dichlorobenzene	20.620	0.50	20.00	0	103	80	120	21.52	4.27	20	
1,3-Dichloropropane	20.010	0.50	20.00	0	100	80	120	19.02	5.07	20	
1,4-Dichlorobenzene	19.850	0.50	20.00	0	99.2	80	120	19.78	0.353	20	
2,2-Dichloropropane	18.360	0.50	20.00	0	91.8	66	139	17.61	4.17	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	169.940	5.0	200.0	0	85.0	55	150	214.9	23.4	20	BR
2-Chlorotoluene	21.730	0.50	20.00	0	109	83	120	22.06	1.51	20	
4-Chlorotoluene	21.600	0.50	20.00	0	108	80	121	22.00	1.83	20	
4-Isopropyltoluene	19.240	0.50	20.00	0	96.2	80	126	19.54	1.55	20	
Benzene	20.690	0.50	20.00	0	103	80	120	21.29	2.86	20	
Bromobenzene	21.700	0.50	20.00	0	108	80	120	21.77	0.322	20	
Bromodichloromethane	20.690	0.50	20.00	0	103	80	120	21.18	2.34	20	
Bromoform	20.270	0.50	20.00	0	101	67	133	19.51	3.82	20	
Bromomethane	19.050	1.0	20.00	0	95.2	35	164	18.84	1.11	20	
Carbon tetrachloride	20.010	0.50	20.00	0	100	77	135	19.87	0.702	20	
Chlorobenzene	20.470	0.50	20.00	0	102	80	120	20.44	0.147	20	
Chloroethane	19.250	1.0	20.00	0	96.2	60	154	19.89	3.27	20	
Chloroform	20.510	0.50	20.00	0	103	75	120	20.55	0.195	20	
Chloromethane	17.480	0.50	20.00	0	87.4	59	140	17.51	0.171	20	
cis-1,2-Dichloroethene	22.250	0.50	20.00	0	111	78	120	20.76	6.93	20	
cis-1,3-Dichloropropene	18.980	0.50	20.00	0	94.9	80	120	19.21	1.20	20	
Dibromochloromethane	20.140	0.50	20.00	0	101	79	123	20.50	1.77	20	
Dibromomethane	23.810	0.50	20.00	0	119	80	120	22.38	6.19	20	
Dichlorodifluoromethane	11.600	0.50	20.00	0	58.0	57	147	12.65	8.66	20	
Ethylbenzene	21.040	0.50	20.00	0	105	80	120	20.44	2.89	20	
Freon-113	19.500	0.50	20.00	0	97.5	52	149	18.39	5.86	20	
Hexachlorobutadiene	19.690	0.50	20.00	0	98.4	73	125	20.00	1.56	20	
Isopropylbenzene	19.380	0.50	20.00	0	96.9	68	129	19.51	0.669	20	
m,p-Xylene	43.760	1.0	40.00	0	109	80	120	43.50	0.596	20	
Methylene chloride	21.820	2.0	20.00	0	109	68	134	21.73	0.413	20	
MTBE	18.710	0.50	20.00	0	93.6	67	129	19.85	5.91	20	
n-Butylbenzene	19.390	0.50	20.00	0	97.0	79	130	19.72	1.69	20	
n-Propylbenzene	21.120	0.50	20.00	0	106	80	128	21.18	0.284	20	
Naphthalene	17.450	0.50	20.00	0	87.2	62	126	17.89	2.49	20	
o-Xylene	21.470	0.50	20.00	0	107	80	120	21.05	1.98	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-LCSD** SampType: **LCSD** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **LCSS02** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	20.260	0.50	20.00	0	101	80	129	19.82	2.20	20	
Styrene	19.910	0.50	20.00	0	99.6	80	120	19.59	1.62	20	
tert-Butylbenzene	19.840	0.50	20.00	0	99.2	80	125	20.03	0.953	20	
Tetrachloroethene	19.580	0.50	20.00	0	97.9	78	123	19.67	0.459	20	
Toluene	20.640	0.50	20.00	0	103	80	120	20.78	0.676	20	
trans-1,2-Dichloroethene	21.010	0.50	20.00	0	105	75	125	21.20	0.900	20	
Trichloroethene	19.860	0.50	20.00	0	99.3	80	120	18.77	5.64	20	
Trichlorofluoromethane	18.820	0.50	20.00	0	94.1	64	147	18.24	3.13	20	
Vinyl chloride	17.920	0.50	20.00	0	89.6	66	140	17.92	0	20	
Surr: 1,2-Dichloroethane-d4	25.700		25.00		103	75	130		0		
Surr: 4-Bromofluorobenzene	25.960		25.00		104	80	120		0		
Surr: Dibromofluoromethane	25.480		25.00		102	80	128		0		
Surr: Toluene-d8	25.260		25.00		101	80	120		0		

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Butanone	16.090	5.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	1.0									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	0.50									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036053
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260WATERP

Sample ID: **CA190618-MB2** SampType: **MBLK** TestCode: **8260WATERP** Units: **µg/L** Prep Date: RunNo: **134581**
Client ID: **PBW** Batch ID: **CA19VW054** TestNo: **EPA 8260B** Analysis Date: **6/18/2019** SeqNo: **3414725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	0.50									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	27.340		25.00		109	75	130				
Surr: 4-Bromofluorobenzene	24.950		25.00		99.8	80	120				
Surr: Dibromofluoromethane	26.860		25.00		107	80	128				
Surr: Toluene-d8	26.760		25.00		107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature: [signature]

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax:

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	TPH by EPA 8015M 8/10/170	CAM-17 Metals by EPA 6010B/7471A	VOCs by EPA 8260B	OCPs by EPA 8081A	PCBs by EPA 8082				Lead - Soluble STLC/TCLP			Notes: OCPs by EPA Method 8081A Chlordane and DDE/DDT/DDD
Equipment Blank 2	6/12/19	1510	10	Water	X	X	X	X	X							N036053-01
Equipment Blank 3	6/13/19	1405	10	Water	X	X	X	X	X							-02
TB20190612	6/13/19		6	WATER												-03

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6/14/19	0900	[signature] MARIANNE SANTOS	6/14/19	900
[signature] MARIANNE SANTOS	6/14/19	1700	[signature] FEDEX	6/15/19	9:00

SPECIAL INSTRUCTIONS:

In #2 4.3°C, 2.7°C 650 7407, 7409

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ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036053
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☑	No ☐	NA ☐
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036053

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036053-001A	Equipment Blank 2	6/12/2019 3:10:00 PM	6/21/2019	Water	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036053-001B			6/21/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
N036053-001C			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE/PCB	☐	☐	☐	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	☐	☐	☐	WW
			6/21/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WW
			6/21/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WW
N036053-001D			6/21/2019			MERCURY PREP	☐	☐	☐	WW
			6/21/2019		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N036053-001E			6/21/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☑	SUB
			6/21/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036053-002A	Equipment Blank 3	6/12/2019 2:05:00 PM	6/21/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036053-002B			6/21/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VW
N036053-002C			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE/PCB	☐	☐	☐	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	☐	☐	☐	WW
			6/21/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WW

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036053

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036053-002C	Equipment Blank 3	6/12/2019 2:05:00 PM	6/21/2019	Water	EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WW
			6/21/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WW
N036053-002D			6/21/2019			MERCURY PREP	☐	☐	☐	WW
			6/21/2019		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WW
N036053-002E			6/21/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☑	SUB
			6/21/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036053-003A	TB20190612	6/13/2019					☐	☐	☐	VW
N036053-004A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client: ASSET Laboratories	Report to: Marianne Santos	Bill to: Elvira Allegaert/Accounts Payable
Address: 11110 Artesia Blvd Ste B	Company: ASSET Laboratories	Address: 11110 Artesia Blvd Ste B
Address: Cerritos, CA 90703	Email: marianne@assetlaboratories.com, reports@assetlaboratories.com	Cerritos, CA 90703
Phone: 562.219.7435 Fax: 562.219.7436	Address: 11110 Artesia Blvd Ste B	Email to: elvira@assetlaboratories.com PO# N36053A
Submitted By: Marianne Santos	Cerritos, CA 90703	Phone: 562.219.7435 Fax: 562.219.7436
Title:	Phone: 562.219.7435 Fax: 562.219.7436	
Signature: Date:	Sampled by: Signed	

I hereby authorize ASSET Labs to perform the tests indicated below:

I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Signature:

Project Name: PEA-E: Abraham Lincoln High School
Project Number: 12*020-07

Matrix			
Ground	☐	Sediment	☐
Potable	☐	Soil	☐
NPDES	☐	Other Solid	☐
Surface	☐		

EDD Requirement		QA/QC		Sample Receipt Condition	Y	N
Excel EDD	☐	RTNE	☐	1. Chilled	☐	☐
Geotracker	☐	RWQCB	☐	2. Headspace	☐	☐
Labspec	☐	CalTrans	☐	3. Container Intact	☐	☐
Others	☐	Level III	☐	4. Seal Present	☐	☐
Specify:		LEVEL IV	☐	5. IR number		
Global ID:		Regulatory	☐	6. Method of Cooling		
		Specify State:		Sample Temp:		

Courier:
Tracking No.

Analyses Requested: CAM 17 (except Mercury)

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except Mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		EQUIPMENT BLANK 2	6/12/19	1510	X			X	E	1	P		
2		EQUIPMENT BLANK 3	6/13/19	1405	X			X	E	1	P		
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7-business days. surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:				Container Type:		
H = HCl	N = HNO3	S = H2SO4	C = 4°C	T = Tube	V = VOA	P = Pint
Z = Zn(AC)2	O = NaOH	T = Na2S2O3		J = Jar	B = Tedlar	G = Glass
Others/Specify:				M = Metal	P = Plastic	C = Can

White = Laboratory Copy
Yellow = Customer's Copy

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
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Step 3: Securely attach this label to your package and do not cover the barcode.

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By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Number of Pages 4
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98589	06/14/2019	ASSET

Project ID: 12-020-07
Project Name: PO# 36053A
Site: PEA-E: Abraham Lincoln HS

Enclosed please find results of analyses of 2 solid samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

98589

Page 1 of 1

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www.assetlaboratories.com

Client: ASSET Laboratories	Report to: Marianne Santos	Bill to: Elvira Allegaert/Accounts Payable	EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:
Address: 11110 Artesia Blvd Ste B	Company: ASSET Laboratories	Address: 11110 Artesia Blvd Ste B	QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐
Address: Cerritos, CA 90703	Email: marianne@assetlaboratories.com, reports@assetlaboratories.com	Cerritos, CA 90703	Sampe Receipt Condition (Y / N): 1. Chilled ☐ ☐; 2. Headspace ☐ ☐; 3. Container Intact ☐ ☐; 4. Seal Present ☐ ☐; 5. IR number; 6. Method of Cooling
Phone: 562.219.7435 Fax: 562.219.7436	Address: 11110 Artesia Blvd Ste B	Email to: elvira@assetlaboratories.com PO# N36053A	Specify State:
Submitted By: Marianne Santos	Cerritos, CA 90703	Phone: 562.219.7435 Fax: 562.219.7436	Global ID:
Title:	Phone: 562.219.7435 Fax: 562.219.7436		Sample Temp:
Signature: Date:	Sampled by: Signed		
I hereby authorize ASSET Labs to perform the tests indicated below:	*I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*		
Project Name: PEA-E: Abraham Lincoln High School	Signature:		
Project Number: 12-020-07			

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☐ NPDES ☐ Other Solid ☐ Surface ☐

Courier:
Tracking No.

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM17 (Except Mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	98589.01	EQUIPMENT BLANK 2	6/12/19	1510	X			X	E	1	P		
2	98589.02	EQUIPMENT BLANK 3	6/13/19	1405	X			X	E	1	P		
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratrories if hard copy of report is needed.
9. For subcontract analysis. TAT and Surcharges will vary.

Preservatives: H = HCl; N = HNO_3; S = H_2SO_4; C = 4°C; Z = $Zn(AC)_2$; O = NaOH; T = $Na_2S_2O_3$; Others/Specify:

Container Type: T = Tube; V = VOA; P = Pint; J = Jar; B = Tedlar; G = Glass; M = Metal; P = Plastic; C = Can

White = Laboratory Copy
Yellow = Customer's Copy

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: Assetlab
Project Name:
AETL Job Number: 98589
Date Received: 06/14/19 Received by: Art
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (/) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3-5°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☐ Wide mouth jars, ☒ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____
How are samples preserved: ☐ None, ☒ Ice , ☐ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?		✓	
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98589	06/14/2019	ASSET

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 2 samples with the following specification on 06/14/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
98589.01	Equipment Blank 2	06/12/2019	Aqueous	1
98589.02	Equipment Blank 3	06/12/2019	Aqueous	1

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
6010/7000CAM	06/21/2019	2	Normal	mg/L

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 2

Project ID: 12-020-07
Project Name: PO# 36053A

AETL Job Number	Submitted	Client
98589	06/14/2019	ASSET

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0619192C2

Our Lab I.D.			Method Blank	**98589.01**	**98589.02**		
Client Sample I.D.				Equipment Blank 2	Equipment Blank 3		
Date Sampled				06/12/2019	06/12/2019		
Date Prepared			06/19/2019	06/19/2019	06/19/2019		
Preparation Method			3005A	3005A	3005A		
Date Analyzed			06/20/2019	06/20/2019	06/20/2019		
Matrix			Aqueous	Aqueous	Aqueous		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Antimony	0.05	0.10	ND	ND	ND		
Arsenic	0.05	0.10	ND	ND	ND		
Barium	0.03	0.05	ND	ND	ND		
Beryllium	0.01	0.05	ND	ND	ND		
Cadmium	0.01	0.05	ND	ND	ND		
Chromium	0.01	0.05	ND	ND	ND		
Cobalt	0.01	0.05	ND	ND	ND		
Copper	0.01	0.05	ND	ND	ND		
Lead	0.05	0.10	ND	ND	ND		
Molybdenum	0.01	0.05	ND	ND	ND		
Nickel	0.01	0.05	ND	ND	ND		
Selenium	0.05	0.10	ND	ND	ND		
Silver	0.01	0.05	ND	ND	ND		
Thallium	0.05	0.10	ND	ND	ND		
Vanadium	0.03	0.05	ND	ND	ND		
Zinc	0.01	0.05	ND	ND	ND		

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QUALITY CONTROL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 3

Project ID: 12-020-07
Project Name: PO# 36053A

AETL Job Number	Submitted	Client
98589	06/14/2019	ASSET

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0619192C2; Dup or Spiked Sample: 98488.02; LCS: Clean Water; QC Prepared: 06/19/2019; QC Analyzed: 06/20/2019; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	0.980	98.3	1.00	0.980	98.3	<1	75-125	<15
Arsenic	0.00	1.00	0.950	94.5	1.00	0.940	93.9	<1	75-125	<15
Barium	0.0290	1.00	0.920	89.1	1.00	0.920	88.9	<1	75-125	<15
Beryllium	0.00	1.00	0.960	96.1	1.00	0.960	95.7	<1	75-125	<15
Cadmium	0.00	1.00	0.880	88.0	1.00	0.880	87.7	<1	75-125	<15
Chromium	0.00	1.00	0.940	94.3	1.00	0.940	94.2	<1	75-125	<15
Cobalt	0.00	1.00	0.860	85.9	1.00	0.860	85.6	<1	75-125	<15
Copper	0.427	1.00	1.30	87.3	1.00	1.31	88.3	1.14	75-125	<15
Lead	0.00	1.00	0.820	82.2	1.00	0.820	81.8	<1	75-125	<15
Molybdenum	0.00	1.00	0.910	91.3	1.00	0.920	92.0	<1	75-125	<15
Nickel	0.00	1.00	0.860	86.3	1.00	0.860	86.0	<1	75-125	<15
Selenium	0.00	1.00	0.930	93.2	1.00	0.940	94.4	1.28	75-125	<15
Silver	0.00	1.00	0.760	75.6	1.00	0.750	75.2	<1	75-125	<15
Thallium	0.00	1.00	0.790	79.4	1.00	0.790	78.9	<1	75-125	<15
Vanadium	0.00	1.00	0.940	93.6	1.00	0.930	93.4	<1	75-125	<15
Zinc	0.113	1.00	1.08	96.7	1.00	1.08	96.7	<1	75-125	<15

QC Batch No: 0619192C2; Dup or Spiked Sample: 98488.02; LCS: Clean Water; QC Prepared: 06/19/2019; QC Analyzed: 06/20/2019; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.950	94.9	1.00	0.970	96.5	1.67	75-125	<15	
Arsenic	1.00	0.930	93.0	1.00	0.930	93.0	<1	75-125	<15	
Barium	1.00	0.900	89.6	1.00	0.900	90.2	<1	75-125	<15	
Beryllium	1.00	0.940	94.0	1.00	0.950	94.8	<1	75-125	<15	
Cadmium	1.00	0.900	89.7	1.00	0.910	91.0	1.44	75-125	<15	
Chromium	1.00	0.950	95.2	1.00	0.960	95.6	<1	75-125	<15	
Cobalt	1.00	0.860	85.7	1.00	0.870	86.6	1.04	75-125	<15	
Copper	1.00	0.920	91.5	1.00	0.920	91.9	<1	75-125	<15	
Lead	1.00	0.840	84.2	1.00	0.850	84.9	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 12-020-07
Project Name: PO# 36053A

AETL Job Number	Submitted	Client
98589	06/14/2019	ASSET

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0619192C2; Dup or Spiked Sample: 98488.02; LCS: Clean Water; QC Prepared: 06/19/2019; QC Analyzed: 06/20/2019; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	1.00	0.920	91.7	1.00	0.920	92.2	<1	75-125	<15	
Nickel	1.00	0.860	85.7	1.00	0.870	86.6	1.04	75-125	<15	
Selenium	1.00	0.910	90.5	1.00	0.930	92.9	2.62	75-125	<15	
Silver	1.00	0.930	93.1	1.00	0.940	93.7	<1	75-125	<15	
Thallium	1.00	0.830	82.8	1.00	0.830	82.8	<1	75-125	<15	
Vanadium	1.00	0.930	92.5	1.00	0.930	93.1	<1	75-125	<15	
Zinc	1.00	1.00	100	1.00	1.01	101	<1	75-125	<15	

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TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

AMERICAN ENVIRONMENTAL TESTING LABORATORY
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TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

ASSET Laboratories
3151-3153 W Post Rd., Las Vegas, NV 89118
www.atl-labs.com
TEL: 7023072659 *FAX: 7023072691*

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Field Sampler : Signed

Subcontractor:
Silver State Analytical Laboratory
3638 E. Sunset Road, Suite 100
Las Vegas, NV 89120

TEL: (702) 873-4478
FAX: (702) 873-7967
Acct #:

14-Jun-19

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 6010B		
N035991-001E / Equipment Blank 1	Water	6/11/2019 2:00:00 PM	8OZP	1		

19060890-1B

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#:N35991A Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marianne Santos at (562)-219-7435. Please e-mail results to reports@assetlaboratories.com by: Normal TAT.

Please analyze for CAM 17 by 6010, no Hg.

		Date/Time			Date/Time
Relinquished by:	[signature]	6/14/19 1256	**Received by:**	[signature]	6-14-19 1256
Relinquished by:			**Received by:**		

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N037033
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Sample was analyzed within method holding time.

Analytical Comment For 6020:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Arsenic possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *29-Aug-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037033
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N037033-001A	Equipment Blank 4	Water	8/15/2019 1:45:00 PM	8/16/2019	8/29/2019
N037033-001B	Equipment Blank 4	Water	8/15/2019 1:45:00 PM	8/16/2019	8/29/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *29-Aug-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	Equipment Blank 4
Lab Order:	N037033	**Collection Date:**	8/15/2019 1:45:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	WATER
Lab ID:	N037033-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: NV00922-GC8_190822B	QC Batch: 75068			PrepDate:	8/19/2019	Analyst: **PL**
4,4´-DDD	ND	0.050		µg/L	1	8/22/2019 09:03 PM
4,4´-DDE	ND	0.050		µg/L	1	8/22/2019 09:03 PM
4,4´-DDT	ND	0.050		µg/L	1	8/22/2019 09:03 PM
Chlordane	ND	0.25		µg/L	1	8/22/2019 09:03 PM
Surr: Tetrachloro-m-xylene	110	28-113		%REC	1	8/22/2019 09:03 PM
Surr: Decachlorobiphenyl	65.7	34-124		%REC	1	8/22/2019 09:03 PM
TOTAL METALS BY ICP						
EPA 3010A				**EPA 6010B**		
RunID: NV00922-ICP2_190822B	QC Batch: 75079			PrepDate:	8/20/2019	Analyst: **CEI**
Lead	ND	0.0050		mg/L	1	8/22/2019 10:08 AM
TOTAL METALS BY ICPMS						
EPA 3010A				**EPA 6020**		
RunID: NV00922-ICP7_190824B	QC Batch: 75123			PrepDate:	8/23/2019	Analyst: **CEI**
Arsenic	ND	0.10		µg/L	1	8/24/2019 05:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N037033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-75079** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **PBW** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.0050									

Sample ID: **LCS-75079** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **LCSW** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.508	0.0050	0.5000	0	102	85	115				

Sample ID: **N037030-010C-MS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **ZZZZZZ** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.417	0.0050	0.5000	0	83.4	75	125				

Sample ID: **N037030-010C-MSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **8/20/2019** RunNo: **136002**
Client ID: **ZZZZZZ** Batch ID: **75079** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **8/22/2019** SeqNo: **3488093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.422	0.0050	0.5000	0	84.3	75	125	0.4170	1.10	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W

Sample ID: **MB-75123**	SampType: **MBLK**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **PBW**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.10									

Sample ID: **LCS-75123**	SampType: **LCS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **LCSW**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.190	0.10	10.00	0	102	85	115				

Sample ID: **N037033-001A-MS**	SampType: **MS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **ZZZZZZ**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20.455	0.10	10.00	0	205	75	125				S

Sample ID: **N037033-001A-MSD**	SampType: **MSD**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/23/2019**	RunNo: **136134**
Client ID: **ZZZZZZ**	Batch ID: **75123**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/24/2019**	SeqNo: **3494037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20.780	0.10	10.00	0	208	75	125	20.45	1.58	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N037033
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081WATER

Sample ID: **LCS-75068_OCP** SampType: **LCS** TestCode: **8081WATER** Units: **µg/L** Prep Date: **8/19/2019** RunNo: **136011**
Client ID: **LCSW** Batch ID: **75068** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/22/2019** SeqNo: **3488389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.472	0.050	0.5000	0	94.4	62	137				
4,4´-DDE	0.446	0.050	0.5000	0	89.2	58	131				
4,4´-DDT	0.464	0.050	0.5000	0	92.8	58	137				
Surr: Tetrachloro-m-xylene	0.329		0.5000		65.9	28	113				
Surr: Decachlorobiphenyl	0.425		0.5000		84.9	34	124				

Sample ID: **LCSD-75068_OCP** SampType: **LCSD** TestCode: **8081WATER** Units: **µg/L** Prep Date: **8/19/2019** RunNo: **136011**
Client ID: **LCSS02** Batch ID: **75068** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/22/2019** SeqNo: **3488390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.421	0.050	0.5000	0	84.3	62	137	0.4718	11.3	20	
4,4´-DDE	0.398	0.050	0.5000	0	79.6	58	131	0.4458	11.3	20	
4,4´-DDT	0.403	0.050	0.5000	0	80.6	58	137	0.4641	14.1	20	
Surr: Tetrachloro-m-xylene	0.270		0.5000		54.1	28	113		0		
Surr: Decachlorobiphenyl	0.376		0.5000		75.2	34	124		0		

Sample ID: **MB-75068** SampType: **MBLK** TestCode: **8081WATER** Units: **µg/L** Prep Date: **8/19/2019** RunNo: **136011**
Client ID: **PBW** Batch ID: **75068** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/22/2019** SeqNo: **3488391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Chlordane	ND	0.25									
Surr: Tetrachloro-m-xylene	0.338		0.5000		67.6	28	113				
Surr: Decachlorobiphenyl	0.373		0.5000		74.5	34	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

N037033

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: hbarry@alisto.com; Al Sevilla: asevilla@alisto.com
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, marianne@assetlaboratories.com
Phone: (562) 219-7435
Cell:
Fax:

Shipment Method:
Air Bill Number: 650 #s: 7830/7831

TURN AROUND TIME: RUSH [ ] 24 Hrs [ ] 48 Hrs [ ] 72 Hrs [ ] Standard (5-7 days) [X]

ANALYSIS

Sample ID.	Date	Time	#	Matrix	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	OCPs by EPA 8081A									
					---	---	---	---	---	---						
Equipment Blank 4	8/15/19	1345	2	Water	X	X	X									N037033-01
[redacted]				[redacted]												

1.7°C / 3.8°C IR# 2

Notes: OCPs by EPA Method 8081A Chlordane and DDE/DDT/DDD

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	8-16-19	1115	[signature] Karla Sevilla	8/16/19	1115
Karla Sevilla	8/16/19	1215	[signature]	8/16/19	1215
[signature] EAR	8/16/19	1800	Joandra Rodriguez	8/17/19	8:45 am

SPECIAL INSTRUCTIONS:

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	8/16/2019	Workorder:	N037033
Rep sample Temp (Deg C):	1.7/3.8	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7830/7831	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed By: YR YRJ 8/20/2019

Reviewed By: 8/23/2019

ASSET Laboratories

WORK ORDER Summary

19-Aug-19

WorkOrder: N037033

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 8/16/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N037033-001A	Equipment Blank 4	8/15/2019 1:45:00 PM	8/23/2019	Water	EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			8/23/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	WW
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	☐	☐	☐	WW
N037033-001B			8/23/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	☐	☐	☐	WW
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WW
N037033-002A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	☐	☐	☐	LAB
			8/23/2019		Folder	Folder	☐	☐	☐	LAB

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545877830

SDS

LAS VEGAS

C89102A

7247278

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

1.7°C
Jn #2

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545877831

SDS

LAS VEGAS

C89102A

7247279

LVS NV891-C50

Print Date: 8/16/2019 5:45 PM

Package 2 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

3.8°C
JM #2

APPENDIX F

WASTE DISPOSAL DOCUMENTATION

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
9/4/19		876/476	A07	A5-0731	001

Generator and/or Consultant

Generator's Name and Billing Address: L.A.U.S.D. - OEHS ATTN: LAWRENCE BROWNE 333 SOUTH BEAUDRY, 21ST FLOOR LOS ANGELES, CA 90017	Generator's Phone #: 213-241-4263 Person to Contact: FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* LAUSD - ABRAHAM LINCOLN HIGH SCHOOL 3501 NORTH BROADWAY LOS ANGELES, CA 90031	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001 Person to Contact: JOE PROVANSAL FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 309586	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	00.1 DM	Soil	32460	31800	660
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					.33

List any exception to items listed above: Scale Ticket # 155483

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

Print or Type Name: Generator ☐ Consultant ☐ Hernandez Barry for LAUSD

Signature and date: [signature] Month 08 Day 16 Year 19

Transporter

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

Print or Type Name: Frank Torres

Signature and date: Frank Torres Month 8 Day 16 Year 19

Recycling Facility

Discrepancies:

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

Print or Type Name: J. PROVANSAL / BILL BISHOP / BARRY MEEK

Signature and date: [signature] 9-4-19

Please print or type.

TRANSPORTER COPY

Adelanto, CA Soil Recycling Facility	Soil Safe (Formerly TPST) SOIL DATA AND CERTIFCATION SHEET	DATE: 08/01/19

Generator (propery owner):

L.A.U.S.D. - OEHS
Attn: Lawrence Browne
333 South Beaudry, 21st Floor
Los Angeles, CA 90017

Consultant/Engineering Firm:

Belshire Environmental Services, Inc.
25971 Towne Centre Dr
Foothill Ranch CA 92610
Tel: (949) 460-5200
Fax: (949) 460-5210

- [X] **Invoice BESI**
- [ ] **Invoice Generator**
- [ ] **Invoice Consultant**

Testing Laboratory:

ASSET Laboratories & American Environmental Testing Laboratory

Sampling Procedures:

Soil Cuttings

Site History: Please list SITE NAME ADDRESS (including zip code), describe contamination type, contamination source, how contamination was stored, and past activities at site.-Attach additional documents)

Site Name & Address:

LAUSD - Abraham Lincoln High School
3501 NORTH BROADWAY
LOS ANGELES, CA 90031

BESI: 309586
Site No: 3501NORT

- [X] **NON-HAZ**
- [ ] **HAZ**

ESTIMATED QUANTITY

	Tons
1	**Drums**

Source of contamination (ust, ast, etc…): Site Investigation
(please list gas, diesel, combo, waste oil, etc…) Unknown Source

Please check appropate box below and attach all required analytical reports. Unless otherwise noted, composite samples should be collected with the following frequency: 1sample for 100 cubic yards or less ; 3 samples for 500 cu yds or less ; 5 samples for 1000 cu yds 1 additional sample for each additional 500cu yds greater than 1000 cu yds

[ ]

I/we certify that the soil referenced herein is contaminated soley by Virgin petroleum products from leaking underground storage tank(s).

Attached is analytical data from state certified lab for the following

1) Total Petroleum Hydrocarbons (TPH, EPA 8015 Modified)

2) Benzene/Toluene/Ethylbenzene/xylene (BTEX, EPA 8020)

[X]

I/We certified that some or all of the contaminants in the soil referenced herein is waste oil, or some other non-virgin petroleum product, or virgin petroleum product from something other than a leaking underground storage tank.
Attached is analytical data from a state certified lab for the following:

1) Total metals concentration for a thru q below (TTLC test)

a) Antimony	g)Cobalt	m) Selenium
b) Arsenic	h)Copper	n) Silver
c) Barium	I) Lead	o) Thalium
d) Berylium	j) Mercury	p) Vanadium
e) Cadmium	k) Molybdenum	q) Zinc
f) Chromium	l) Nickel	

Note: If any item a thru q is greater than 10 times its Soluble Threshold Limit concentration (STLC) the soluble metal concentration must be determined by the Waste Extraction Test procedure.

2) TPH by:

EPA 418.1 or
EPA 8015 modified

3) BTEX/VOC by:

EPA 8020 EPA 8010
or EPA 8260(combines above)

4) PCB'S(waste oil only)
5) Additional analytical data as required.

No soils referenced herein may be delivered until the forgoing certificate is received and approved by the facility, and they issues manifests and assigns an approval number. If any soils delivered to the facility are found to be "Hazardous Waste" pursuant to federal or state regulations, the client shall be solely responsible for their removal. If the client fails to remove such soils, the facility, acting as client's agent, may arrange for such removal at client's expense. This is a complete and accurate description of the soil referenced herein; no deliberate or willful omissions have been made and all known or suspected hazards have been disclosed herein. I/We certify that the soil is not "hazardous" as defined by U.S. Department of Transportation (DOT), U.S. Environmental Protection Agency (EPA), State or local regulations. I/We further certify that the soils referenced herein contain no free liquids. All analysis reports attached.

Generator's Authorized Signatory: _____ **Date:** 08/01/19

Print Name: Samantha Han **Title:** Environmental Health Supervisor

Environmental Firm Signatory: _____ **Date:** _____

Print Name: _____ **Title:** _____

July 05, 2019

Hamidou Barry/Al Sevilla
Alisto Engineering Group
2737 N. Main St., Suite 200
Walnut Creek, CA 94597

TEL: (925) 279-5000
FAX: (925) 279-5001

Workorder No.: N036052

RE: PEA-E: Abraham Lincoln High School, 12-020-

Attention: Hamidou Barry/Al Sevilla

Enclosed are the results for sample(s) received on June 14, 2019 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 219-7435 if I can be of further assistance to your company.

Sincerely,

Puri Romualdo
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - California.

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-N036052
Lab Order:

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Subcontracted Analysis:

Metals by 6010B was subcontracted to American Environmental Testing Laboratory (AETL), Burbank, CA.

Analytical Comment For EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 4,4´-DDT possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comment For EPA 8260B:

Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the samples were not necessary.

Analytical Comment For EPA 8015B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

ASSET Laboratories

Date: *05-Jul-19*

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036052
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N036052-001A	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019
N036052-001B	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019
N036052-001C	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019
N036052-001D	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019
N036052-001E	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019
N036052-001F	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019
N036052-001G	DRUM	Soil	6/13/2019 5:15:00 PM	6/14/2019	7/5/2019

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *05-Jul-19*

CLIENT:	Alisto Engineering Group	**Client Sample ID:**	DRUM
Lab Order:	N036052	**Collection Date:**	6/13/2019 5:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	**Matrix:**	SOIL
Lab ID:	N036052-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: CA01638-MS10_190621A	QC Batch: CA19VS117			PrepDate:	6/21/2019	Analyst: **AW**
1,1,1,2-Tetrachloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,1,1-Trichloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,1,2,2-Tetrachloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,1,2-Trichloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,1-Dichloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,1-Dichloroethene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,1-Dichloropropene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2,3-Trichlorobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2,3-Trichloropropane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2,4-Trichlorobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2,4-Trimethylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/21/2019 02:47 PM
1,2-Dibromoethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2-Dichlorobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2-Dichloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,2-Dichloropropane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,3,5-Trimethylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,3-Dichlorobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,3-Dichloropropane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
1,4-Dichlorobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
2,2-Dichloropropane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
2-Butanone	ND	51		µg/Kg	1	6/21/2019 02:47 PM
2-Chlorotoluene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
4-Chlorotoluene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
4-Isopropyltoluene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Benzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Bromobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Bromodichloromethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Bromoform	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Bromomethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Carbon tetrachloride	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Chlorobenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Chloroethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Chloroform	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Chloromethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
cis-1,2-Dichloroethene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Client Sample ID: DRUM
Lab Order: N036052
Collection Date: 6/13/2019 5:15:00 PM
Project: PEA-E: Abraham Lincoln High School, 12-020-
Matrix: SOIL
Lab ID: N036052-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: CA01638-MS10_190621A QC Batch: CA19VS117 PrepDate: 6/21/2019 Analyst: **AW**						
cis-1,3-Dichloropropene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Dibromochloromethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Dibromomethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Dichlorodifluoromethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Ethylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Freon-113	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Hexachlorobutadiene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Isopropylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
m,p-Xylene	ND	10		µg/Kg	1	6/21/2019 02:47 PM
Methylene chloride	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
MTBE	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
n-Butylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
n-Propylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Naphthalene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
o-Xylene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
sec-Butylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Styrene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
tert-Butylbenzene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Tetrachloroethene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Toluene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
trans-1,2-Dichloroethene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Trichloroethene	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Trichlorofluoromethane	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Vinyl chloride	ND	5.1		µg/Kg	1	6/21/2019 02:47 PM
Surr: 1,2-Dichloroethane-d4	143	70-156		%REC	1	6/21/2019 02:47 PM
Surr: 4-Bromofluorobenzene	96.7	73-129		%REC	1	6/21/2019 02:47 PM
Surr: Dibromofluoromethane	120	73-146		%REC	1	6/21/2019 02:47 PM
Surr: Toluene-d8	111	80-120		%REC	1	6/21/2019 02:47 PM
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B **EPA 8015B**						
RunID: NV00922-GC3_190704B QC Batch: 74306 PrepDate: 6/21/2019 Analyst: **LLR**						
DRO	28	10		mg/Kg	1	7/5/2019 01:50 AM
ORO	48	10		mg/Kg	1	7/5/2019 01:50 AM
Surr: p-Terphenyl	90.0	56-133		%REC	1	7/5/2019 01:50 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: *05-Jul-19*

CLIENT: Alisto Engineering Group
Lab Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab ID: N036052-001

Client Sample ID: DRUM
Collection Date: 6/13/2019 5:15:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3546				**EPA 8081A**		
RunID: NV00922-GC7_190619C	QC Batch: 74243				PrepDate: 6/17/2019	Analyst: **MDM**
4,4´-DDD	ND	2.0		µg/Kg	1	6/20/2019 01:18 AM
4,4´-DDE	ND	2.0		µg/Kg	1	6/20/2019 01:18 AM
4,4´-DDT	ND	2.0		µg/Kg	1	6/20/2019 01:18 AM
Chlordane	180	8.5		µg/Kg	1	6/20/2019 01:18 AM
Surr: Tetrachloro-m-xylene	72.7	24-109		%REC	1	6/20/2019 01:18 AM
Surr: Decachlorobiphenyl	57.6	23-115		%REC	1	6/20/2019 01:18 AM
PCBS BY GC/ECD						
EPA 3546				**EPA 8082**		
RunID: NV00922-GC8_190624A	QC Batch: 74304				PrepDate: 6/21/2019	Analyst: **MDM**
Aroclor 1016	ND	16		µg/Kg	1	6/24/2019 12:50 PM
Aroclor 1221	ND	33		µg/Kg	1	6/24/2019 12:50 PM
Aroclor 1232	ND	16		µg/Kg	1	6/24/2019 12:50 PM
Aroclor 1242	ND	16		µg/Kg	1	6/24/2019 12:50 PM
Aroclor 1248	ND	16		µg/Kg	1	6/24/2019 12:50 PM
Aroclor 1254	ND	16		µg/Kg	1	6/24/2019 12:50 PM
Aroclor 1260	ND	16		µg/Kg	1	6/24/2019 12:50 PM
Surr: Decachlorobiphenyl	70.4	25-120		%REC	1	6/24/2019 12:50 PM
Surr: Tetrachloro-m-xylene	59.8	21-118		%REC	1	6/24/2019 12:50 PM
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B		
RunID: NV00922-GC4_190619B	QC Batch: E19VS095				PrepDate: 6/19/2019	Analyst: **QBM**
GRO	ND	1.0		mg/Kg	1	6/19/2019 04:10 PM
Surr: Chlorobenzene - d5	129	47-163		%REC	1	6/19/2019 04:10 PM
TOTAL MERCURY BY COLD VAPOR TECHNIQUE						
				EPA 7471A		
RunID: NV00922-AA1_190618A	QC Batch: 74246				PrepDate: 6/18/2019	Analyst: **MG**
Mercury	ND	0.099		mg/Kg	1	6/18/2019 02:27 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **MB-74246** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134574**
Client ID: **PBS** Batch ID: **74246** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **LCS-74246** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134574**
Client ID: **LCSS** Batch ID: **74246** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.348	0.10	0.4167	0	83.5	80	120				

Sample ID: **N036045-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74246** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.424	0.099	0.4139	0	103	75	125				

Sample ID: **N036045-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/18/2019** RunNo: **134574**
Client ID: **ZZZZZZ** Batch ID: **74246** TestNo: **EPA 7471A** Analysis Date: **6/18/2019** SeqNo: **3414532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.449	0.10	0.4146	0	108	75	125	0.4245	5.71	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID: **MB-74306** SampType: **MBLK** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **PBS** Batch ID: **74306** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/2/2019** SeqNo: **3428049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	4.159	10									
ORO	3.453	10									
Surr: p-Terphenyl	90.201		80.00		113	56	133				

Sample ID: **LCS-74306** SampType: **LCS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **LCSS** Batch ID: **74306** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/2/2019** SeqNo: **3428050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1174.133	10	1000	0	117	69	123				
Surr: p-Terphenyl	84.275		80.00		105	56	133				

Sample ID: **N036030-005A-MS** SampType: **MS** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **ZZZZZZ** Batch ID: **74306** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/3/2019** SeqNo: **3429335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1470.851	10	1000	8.170	146	46	142				S
Surr: p-Terphenyl	95.565		80.00		119	56	133				

Sample ID: **N036030-005A-MSD** SampType: **MSD** TestCode: **8015_S_DM H** Units: **mg/Kg** Prep Date: **6/21/2019** RunNo: **134846**
Client ID: **ZZZZZZ** Batch ID: **74306** TestNo: **EPA 8015B EPA 3550B** Analysis Date: **7/3/2019** SeqNo: **3429336**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1676.064	9.9	990.1	8.170	168	46	142	1471	13.0	20	S
Surr: p-Terphenyl	95.717		79.21		121	56	133		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_5035P

Sample ID: **E190619LCS2** SampType: **LCS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **LCSS** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.874	1.0	5.000	0	97.5	72	136				
Surr: Chlorobenzene - d5	92.481		100.0		92.5	47	163				

Sample ID: **E190619MB2** SampType: **MBLK** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **PBS** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	114.395		100.0		114	47	163				

Sample ID: **N036082-001AMS** SampType: **MS** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **ZZZZZZ** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416033**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.501	1.0	5.000	0	90.0	43	153				
Surr: Chlorobenzene - d5	98.488		100.0		98.5	47	163				

Sample ID: **N036082-001AMSD** SampType: **MSD** TestCode: **8015GAS_503** Units: **mg/Kg** Prep Date: RunNo: **134613**
Client ID: **ZZZZZZ** Batch ID: **E19VS095** TestNo: **EPA 8015B** Analysis Date: **6/19/2019** SeqNo: **3416034**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.855	1.0	5.000	0	97.1	43	153	4.501	7.57	20	
Surr: Chlorobenzene - d5	101.124		100.0		101	47	163		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **LCS-74243_OCP** SampType: **LCS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **LCSS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	15.928	2.0	16.67	0	95.5	57	132				
4,4´-DDE	15.175	2.0	16.67	0	91.0	52	129				
4,4´-DDT	15.073	2.0	16.67	0	90.4	57	131				
Surr: Tetrachloro-m-xylene	12.548		16.67		75.3	24	109				
Surr: Decachlorobiphenyl	12.560		16.67		75.3	23	115				

Sample ID: **MB-74243** SampType: **MBLK** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **PBS** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Chlordane	ND	8.5									
Surr: Tetrachloro-m-xylene	12.535		16.67		75.2	24	109				
Surr: Decachlorobiphenyl	12.243		16.67		73.4	23	115				

Sample ID: **N035978-013A-MS** SampType: **MS** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	20.310	2.0	16.69	0	122	57	132				
4,4´-DDE	15.389	2.0	16.69	0	92.2	52	129				
4,4´-DDT	15.490	2.0	16.69	7.305	49.0	57	131				S
Surr: Tetrachloro-m-xylene	12.001		16.69		71.9	24	109				
Surr: Decachlorobiphenyl	10.933		16.69		65.5	23	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL_M

Sample ID: **N035978-013A-MSD** SampType: **MSD** TestCode: **8081SOIL_M** Units: **µg/Kg** Prep Date: **6/17/2019** RunNo: **134614**
Client ID: **ZZZZZZ** Batch ID: **74243** TestNo: **EPA 8081A** **EPA 3546** Analysis Date: **6/19/2019** SeqNo: **3416048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	19.788	2.0	16.78	0	118	57	132	20.31	2.61	20	
4,4´-DDE	14.097	2.0	16.78	0	84.0	52	129	15.39	8.76	20	
4,4´-DDT	14.018	2.0	16.78	7.305	40.0	57	131	15.49	9.98	20	S
Surr: Tetrachloro-m-xylene	11.117		16.78		66.2	24	109		0		
Surr: Decachlorobiphenyl	10.513		16.78		62.6	23	115		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082SOIL_M

Sample ID: **LCS-74304** SampType: **LCS** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/21/2019** RunNo: **134694**
Client ID: **LCSS** Batch ID: **74304** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/24/2019** SeqNo: **3419218**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	137.012	16	166.7	0	82.2	51	111				
Aroclor 1260	150.253	16	166.7	0	90.1	51	116				
Surr: Decachlorobiphenyl	16.080		16.67		96.5	25	120				
Surr: Tetrachloro-m-xylene	11.226		16.67		67.3	21	118				

Sample ID: **MB-74304** SampType: **MBLK** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/21/2019** RunNo: **134694**
Client ID: **PBS** Batch ID: **74304** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/24/2019** SeqNo: **3419219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	13.252		16.67		79.5	25	120				
Surr: Tetrachloro-m-xylene	10.720		16.67		64.3	21	118				

Sample ID: **N036151-001A-MS** SampType: **MS** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/21/2019** RunNo: **134694**
Client ID: **ZZZZZZ** Batch ID: **74304** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/24/2019** SeqNo: **3419508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.399	17	167.5	0	73.1	31	113				
Aroclor 1260	134.498	17	167.5	15.59	71.0	31	105				
Surr: Decachlorobiphenyl	12.546		16.75		74.9	25	120				
Surr: Tetrachloro-m-xylene	11.829		16.75		70.6	21	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082SOIL_M

Sample ID: **N036151-001A-MSD** SampType: **MSD** TestCode: **8082SOIL_M** Units: **µg/Kg** Prep Date: **6/21/2019** RunNo: **134694**
Client ID: **ZZZZZZ** Batch ID: **74304** TestNo: **EPA 8082** **EPA 3546** Analysis Date: **6/24/2019** SeqNo: **3419509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	112.465	17	167.1	0	67.3	31	113	122.4	8.46	20	
Aroclor 1260	120.917	17	167.1	15.59	63.0	31	105	134.5	10.6	20	
Surr: Decachlorobiphenyl	12.974		16.71		77.6	25	120		0		
Surr: Tetrachloro-m-xylene	10.697		16.71		64.0	21	118		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	41.270	5.0	40.00	0	103	78	127				
1,1,1-Trichloroethane	42.600	5.0	40.00	0	106	75	128				
1,1,2,2-Tetrachloroethane	44.410	5.0	40.00	0	111	78	126				
1,1,2-Trichloroethane	44.190	5.0	40.00	0	110	80	120				
1,1-Dichloroethane	40.160	5.0	40.00	0	100	65	136				
1,1-Dichloroethene	37.870	5.0	40.00	0	94.7	66	134				
1,1-Dichloropropene	45.590	5.0	40.00	0	114	79	128				
1,2,3-Trichlorobenzene	39.010	5.0	40.00	0	97.5	80	120				
1,2,3-Trichloropropane	35.640	5.0	40.00	0	89.1	79	123				
1,2,4-Trichlorobenzene	39.400	5.0	40.00	0	98.5	74	121				
1,2,4-Trimethylbenzene	45.060	5.0	40.00	0	113	79	128				
1,2-Dibromo-3-chloropropane	40.250	10	40.00	0	101	65	131				
1,2-Dibromoethane	41.820	5.0	40.00	0	105	79	124				
1,2-Dichlorobenzene	41.130	5.0	40.00	0	103	80	120				
1,2-Dichloroethane	42.790	5.0	40.00	0	107	80	120				
1,2-Dichloropropane	43.210	5.0	40.00	0	108	80	120				
1,3,5-Trimethylbenzene	44.330	5.0	40.00	0	111	76	129				
1,3-Dichlorobenzene	42.840	5.0	40.00	0	107	80	120				
1,3-Dichloropropane	42.040	5.0	40.00	0	105	80	120				
1,4-Dichlorobenzene	42.880	5.0	40.00	0	107	80	120				
2,2-Dichloropropane	37.100	5.0	40.00	0	92.8	66	136				
2-Butanone	383.210	50	400.0	0	95.8	54	145				
2-Chlorotoluene	45.140	5.0	40.00	0	113	78	124				
4-Chlorotoluene	45.660	5.0	40.00	0	114	79	125				
4-Isopropyltoluene	42.210	5.0	40.00	0	106	75	130				
Benzene	46.900	5.0	40.00	0	117	80	120				
Bromobenzene	44.590	5.0	40.00	0	111	80	120				
Bromodichloromethane	41.340	5.0	40.00	0	103	80	127				
Bromoform	42.500	5.0	40.00	0	106	67	136				
Bromomethane	59.380	5.0	40.00	0	148	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	45.240	5.0	40.00	0	113	75	137				
Chlorobenzene	41.950	5.0	40.00	0	105	80	120				
Chloroethane	48.540	5.0	40.00	0	121	64	145				
Chloroform	42.690	5.0	40.00	0	107	75	120				
Chloromethane	43.750	5.0	40.00	0	109	58	139				
cis-1,2-Dichloroethene	44.090	5.0	40.00	0	110	76	120				
cis-1,3-Dichloropropene	40.010	5.0	40.00	0	100	77	128				
Dibromochloromethane	36.950	5.0	40.00	0	92.4	79	124				
Dibromomethane	46.400	5.0	40.00	0	116	80	120				
Dichlorodifluoromethane	40.620	5.0	40.00	0	102	64	137				
Ethylbenzene	43.360	5.0	40.00	0	108	79	120				
Freon-113	40.210	5.0	40.00	0	101	58	141				
Hexachlorobutadiene	43.040	5.0	40.00	0	108	72	126				
Isopropylbenzene	41.540	5.0	40.00	0	104	62	130				
m,p-Xylene	90.360	10	80.00	0	113	80	124				
Methylene chloride	41.580	5.0	40.00	0	104	65	136				
MTBE	35.500	5.0	40.00	0	88.8	65	130				
n-Butylbenzene	44.250	5.0	40.00	0	111	76	133				
n-Propylbenzene	46.840	5.0	40.00	0	117	76	131				
Naphthalene	36.300	5.0	40.00	0	90.8	58	127				
o-Xylene	42.720	5.0	40.00	0	107	75	121				
sec-Butylbenzene	41.160	5.0	40.00	0	103	76	133				
Styrene	40.550	5.0	40.00	0	101	80	120				
tert-Butylbenzene	41.570	5.0	40.00	0	104	73	130				
Tetrachloroethene	41.990	5.0	40.00	0	105	77	124				
Toluene	40.430	5.0	40.00	0	101	79	120				
trans-1,2-Dichloroethene	41.440	5.0	40.00	0	104	72	129				
Trichloroethene	45.220	5.0	40.00	0	113	80	120				
Trichlorofluoromethane	45.320	5.0	40.00	0	113	66	146				
Vinyl chloride	44.260	5.0	40.00	0	111	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	48.380		50.00		96.8	70	156				
Surr: 4-Bromofluorobenzene	50.610		50.00		101	73	129				
Surr: Dibromofluoromethane	47.260		50.00		94.5	73	146				
Surr: Toluene-d8	49.930		50.00		99.9	80	120				

Sample ID: **CA190620-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS02** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.330	5.0	40.00	0	113	78	127	41.27	9.38	20	
1,1,1-Trichloroethane	43.910	5.0	40.00	0	110	75	128	42.60	3.03	20	
1,1,2,2-Tetrachloroethane	46.630	5.0	40.00	0	117	78	126	44.41	4.88	20	
1,1,2-Trichloroethane	42.760	5.0	40.00	0	107	80	120	44.19	3.29	20	
1,1-Dichloroethane	41.610	5.0	40.00	0	104	65	136	40.16	3.55	20	
1,1-Dichloroethene	45.930	5.0	40.00	0	115	66	134	37.87	19.2	20	
1,1-Dichloropropene	47.680	5.0	40.00	0	119	79	128	45.59	4.48	20	
1,2,3-Trichlorobenzene	42.710	5.0	40.00	0	107	80	120	39.01	9.06	20	
1,2,3-Trichloropropane	37.660	5.0	40.00	0	94.2	79	123	35.64	5.51	20	
1,2,4-Trichlorobenzene	42.690	5.0	40.00	0	107	74	121	39.40	8.02	20	
1,2,4-Trimethylbenzene	46.950	5.0	40.00	0	117	79	128	45.06	4.11	20	
1,2-Dibromo-3-chloropropane	41.000	10	40.00	0	103	65	131	40.25	1.85	20	
1,2-Dibromoethane	39.690	5.0	40.00	0	99.2	79	124	41.82	5.23	20	
1,2-Dichlorobenzene	41.060	5.0	40.00	0	103	80	120	41.13	0.170	20	
1,2-Dichloroethane	43.540	5.0	40.00	0	109	80	120	42.79	1.74	20	
1,2-Dichloropropane	46.980	5.0	40.00	0	117	80	120	43.21	8.36	20	
1,3,5-Trimethylbenzene	44.400	5.0	40.00	0	111	76	129	44.33	0.158	20	
1,3-Dichlorobenzene	43.430	5.0	40.00	0	109	80	120	42.84	1.37	20	
1,3-Dichloropropane	43.170	5.0	40.00	0	108	80	120	42.04	2.65	20	
1,4-Dichlorobenzene	42.250	5.0	40.00	0	106	80	120	42.88	1.48	20	
2,2-Dichloropropane	40.430	5.0	40.00	0	101	66	136	37.10	8.59	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS02** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	403.930	50	400.0	0	101	54	145	383.2	5.26	20	
2-Chlorotoluene	47.180	5.0	40.00	0	118	78	124	45.14	4.42	20	
4-Chlorotoluene	48.070	5.0	40.00	0	120	79	125	45.66	5.14	20	
4-Isopropyltoluene	43.990	5.0	40.00	0	110	75	130	42.21	4.13	20	
Benzene	47.870	5.0	40.00	0	120	80	120	46.90	2.05	20	
Bromobenzene	46.540	5.0	40.00	0	116	80	120	44.59	4.28	20	
Bromodichloromethane	45.560	5.0	40.00	0	114	80	127	41.34	9.71	20	
Bromoform	44.860	5.0	40.00	0	112	67	136	42.50	5.40	20	
Bromomethane	63.940	5.0	40.00	0	160	45	148	59.38	7.40	20	S
Carbon tetrachloride	46.470	5.0	40.00	0	116	75	137	45.24	2.68	20	
Chlorobenzene	44.210	5.0	40.00	0	111	80	120	41.95	5.25	20	
Chloroethane	42.900	5.0	40.00	0	107	64	145	48.54	12.3	20	
Chloroform	43.740	5.0	40.00	0	109	75	120	42.69	2.43	20	
Chloromethane	50.380	5.0	40.00	0	126	58	139	43.75	14.1	20	
cis-1,2-Dichloroethene	46.490	5.0	40.00	0	116	76	120	44.09	5.30	20	
cis-1,3-Dichloropropene	41.190	5.0	40.00	0	103	77	128	40.01	2.91	20	
Dibromochloromethane	39.500	5.0	40.00	0	98.8	79	124	36.95	6.67	20	
Dibromomethane	46.690	5.0	40.00	0	117	80	120	46.40	0.623	20	
Dichlorodifluoromethane	44.020	5.0	40.00	0	110	64	137	40.62	8.03	20	
Ethylbenzene	46.150	5.0	40.00	0	115	79	120	43.36	6.23	20	
Freon-113	42.590	5.0	40.00	0	106	58	141	40.21	5.75	20	
Hexachlorobutadiene	43.010	5.0	40.00	0	108	72	126	43.04	0.0697	20	
Isopropylbenzene	41.510	5.0	40.00	0	104	62	130	41.54	0.0722	20	
m,p-Xylene	93.450	10	80.00	0	117	80	124	90.36	3.36	20	
Methylene chloride	46.650	5.0	40.00	0	117	65	136	41.58	11.5	20	
MTBE	38.680	5.0	40.00	0	96.7	65	130	35.50	8.57	20	
n-Butylbenzene	44.830	5.0	40.00	0	112	76	133	44.25	1.30	20	
n-Propylbenzene	45.750	5.0	40.00	0	114	76	131	46.84	2.35	20	
Naphthalene	38.540	5.0	40.00	0	96.4	58	127	36.30	5.99	20	
o-Xylene	43.570	5.0	40.00	0	109	75	121	42.72	1.97	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **LCSS02** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	43.950	5.0	40.00	0	110	76	133	41.16	6.56	20	
Styrene	42.800	5.0	40.00	0	107	80	120	40.55	5.40	20	
tert-Butylbenzene	44.200	5.0	40.00	0	110	73	130	41.57	6.13	20	
Tetrachloroethene	43.510	5.0	40.00	0	109	77	124	41.99	3.56	20	
Toluene	43.040	5.0	40.00	0	108	79	120	40.43	6.25	20	
trans-1,2-Dichloroethene	44.770	5.0	40.00	0	112	72	129	41.44	7.73	20	
Trichloroethene	42.590	5.0	40.00	0	106	80	120	45.22	5.99	20	
Trichlorofluoromethane	46.190	5.0	40.00	0	115	66	146	45.32	1.90	20	
Vinyl chloride	45.260	5.0	40.00	0	113	68	141	44.26	2.23	20	
Surr: 1,2-Dichloroethane-d4	50.270		50.00		101	70	156		0		
Surr: 4-Bromofluorobenzene	48.480		50.00		97.0	73	129		0		
Surr: Dibromofluoromethane	52.850		50.00		106	73	146		0		
Surr: Toluene-d8	52.790		50.00		106	80	120		0		

Sample ID: **CA190620-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **PBS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **PBS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190620-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134650**
Client ID: **PBS** Batch ID: **CA19VS116** TestNo: **EPA 8260B** Analysis Date: **6/20/2019** SeqNo: **3417619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.460	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	54.160		50.00		108	70	156				
Surr: 4-Bromofluorobenzene	48.310		50.00		96.6	73	129				
Surr: Dibromofluoromethane	56.000		50.00		112	73	146				
Surr: Toluene-d8	51.450		50.00		103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	44.830	5.0	40.00	0	112	78	127				
1,1,1-Trichloroethane	47.970	5.0	40.00	0	120	75	128				
1,1,2,2-Tetrachloroethane	48.540	5.0	40.00	0	121	78	126				
1,1,2-Trichloroethane	47.070	5.0	40.00	0	118	80	120				
1,1-Dichloroethane	45.760	5.0	40.00	0	114	65	136				
1,1-Dichloroethene	41.530	5.0	40.00	0	104	66	134				
1,1-Dichloropropene	44.860	5.0	40.00	0	112	79	128				
1,2,3-Trichlorobenzene	42.660	5.0	40.00	0	107	80	120				
1,2,3-Trichloropropane	39.640	5.0	40.00	0	99.1	79	123				
1,2,4-Trichlorobenzene	43.540	5.0	40.00	0	109	74	121				
1,2,4-Trimethylbenzene	45.950	5.0	40.00	0	115	79	128				
1,2-Dibromo-3-chloropropane	41.680	10	40.00	0	104	65	131				
1,2-Dibromoethane	43.950	5.0	40.00	0	110	79	124				
1,2-Dichlorobenzene	43.770	5.0	40.00	0	109	80	120				
1,2-Dichloroethane	43.310	5.0	40.00	0	108	80	120				
1,2-Dichloropropane	44.660	5.0	40.00	0	112	80	120				
1,3,5-Trimethylbenzene	45.500	5.0	40.00	0	114	76	129				
1,3-Dichlorobenzene	44.790	5.0	40.00	0	112	80	120				
1,3-Dichloropropane	42.950	5.0	40.00	0	107	80	120				
1,4-Dichlorobenzene	43.260	5.0	40.00	0	108	80	120				
2,2-Dichloropropane	42.500	5.0	40.00	0	106	66	136				
2-Butanone	431.820	50	400.0	0	108	54	145				
2-Chlorotoluene	48.390	5.0	40.00	0	121	78	124				
4-Chlorotoluene	47.820	5.0	40.00	0	120	79	125				
4-Isopropyltoluene	44.420	5.0	40.00	0	111	75	130				
Benzene	46.290	5.0	40.00	0	116	80	120				
Bromobenzene	50.390	5.0	40.00	0	126	80	120				S
Bromodichloromethane	41.430	5.0	40.00	0	104	80	127				
Bromoform	48.910	5.0	40.00	0	122	67	136				
Bromomethane	65.090	5.0	40.00	0	163	45	148				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	47.980	5.0	40.00	0	120	75	137				
Chlorobenzene	45.680	5.0	40.00	0	114	80	120				
Chloroethane	45.280	5.0	40.00	0	113	64	145				
Chloroform	44.770	5.0	40.00	0	112	75	120				
Chloromethane	48.490	5.0	40.00	0	121	58	139				
cis-1,2-Dichloroethene	46.530	5.0	40.00	0	116	76	120				
cis-1,3-Dichloropropene	42.600	5.0	40.00	0	106	77	128				
Dibromochloromethane	38.780	5.0	40.00	0	97.0	79	124				
Dibromomethane	47.900	5.0	40.00	0	120	80	120				
Dichlorodifluoromethane	41.630	5.0	40.00	0	104	64	137				
Ethylbenzene	46.710	5.0	40.00	0	117	79	120				
Freon-113	42.870	5.0	40.00	0	107	58	141				
Hexachlorobutadiene	45.330	5.0	40.00	0	113	72	126				
Isopropylbenzene	42.390	5.0	40.00	0	106	62	130				
m,p-Xylene	97.210	10	80.00	0	122	80	124				
Methylene chloride	46.000	5.0	40.00	0	115	65	136				
MTBE	39.860	5.0	40.00	0	99.7	65	130				
n-Butylbenzene	47.370	5.0	40.00	0	118	76	133				
n-Propylbenzene	46.840	5.0	40.00	0	117	76	131				
Naphthalene	38.300	5.0	40.00	0	95.8	58	127				
o-Xylene	44.350	5.0	40.00	0	111	75	121				
sec-Butylbenzene	43.670	5.0	40.00	0	109	76	133				
Styrene	43.830	5.0	40.00	0	110	80	120				
tert-Butylbenzene	42.470	5.0	40.00	0	106	73	130				
Tetrachloroethene	45.770	5.0	40.00	0	114	77	124				
Toluene	42.780	5.0	40.00	0	107	79	120				
trans-1,2-Dichloroethene	43.260	5.0	40.00	0	108	72	129				
Trichloroethene	44.900	5.0	40.00	0	112	80	120				
Trichlorofluoromethane	49.160	5.0	40.00	0	123	66	146				
Vinyl chloride	46.060	5.0	40.00	0	115	68	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCS** SampType: **LCS** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.670		50.00		95.3	70	156				
Surr: 4-Bromofluorobenzene	52.230		50.00		104	73	129				
Surr: Dibromofluoromethane	51.290		50.00		103	73	146				
Surr: Toluene-d8	51.830		50.00		104	80	120				

Sample ID: **CA190621-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS02** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.270	5.0	40.00	0	106	78	127	44.83	5.88	20	
1,1,1-Trichloroethane	48.300	5.0	40.00	0	121	75	128	47.97	0.686	20	
1,1,2,2-Tetrachloroethane	43.770	5.0	40.00	0	109	78	126	48.54	10.3	20	
1,1,2-Trichloroethane	44.830	5.0	40.00	0	112	80	120	47.07	4.87	20	
1,1-Dichloroethane	41.730	5.0	40.00	0	104	65	136	45.76	9.21	20	
1,1-Dichloroethene	41.530	5.0	40.00	0	104	66	134	41.53	0	20	
1,1-Dichloropropene	48.150	5.0	40.00	0	120	79	128	44.86	7.07	20	
1,2,3-Trichlorobenzene	42.150	5.0	40.00	0	105	80	120	42.66	1.20	20	
1,2,3-Trichloropropane	39.390	5.0	40.00	0	98.5	79	123	39.64	0.633	20	
1,2,4-Trichlorobenzene	43.160	5.0	40.00	0	108	74	121	43.54	0.877	20	
1,2,4-Trimethylbenzene	46.480	5.0	40.00	0	116	79	128	45.95	1.15	20	
1,2-Dibromo-3-chloropropane	44.800	10	40.00	0	112	65	131	41.68	7.22	20	
1,2-Dibromoethane	41.130	5.0	40.00	0	103	79	124	43.95	6.63	20	
1,2-Dichlorobenzene	41.770	5.0	40.00	0	104	80	120	43.77	4.68	20	
1,2-Dichloroethane	43.780	5.0	40.00	0	109	80	120	43.31	1.08	20	
1,2-Dichloropropane	43.570	5.0	40.00	0	109	80	120	44.66	2.47	20	
1,3,5-Trimethylbenzene	45.510	5.0	40.00	0	114	76	129	45.50	0.0220	20	
1,3-Dichlorobenzene	43.630	5.0	40.00	0	109	80	120	44.79	2.62	20	
1,3-Dichloropropane	43.050	5.0	40.00	0	108	80	120	42.95	0.233	20	
1,4-Dichlorobenzene	41.600	5.0	40.00	0	104	80	120	43.26	3.91	20	
2,2-Dichloropropane	41.300	5.0	40.00	0	103	66	136	42.50	2.86	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS02** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	399.500	50	400.0	0	99.9	54	145	431.8	7.78	20	
2-Chlorotoluene	47.780	5.0	40.00	0	119	78	124	48.39	1.27	20	
4-Chlorotoluene	46.870	5.0	40.00	0	117	79	125	47.82	2.01	20	
4-Isopropyltoluene	44.060	5.0	40.00	0	110	75	130	44.42	0.814	20	
Benzene	45.940	5.0	40.00	0	115	80	120	46.29	0.759	20	
Bromobenzene	46.390	5.0	40.00	0	116	80	120	50.39	8.27	20	
Bromodichloromethane	41.870	5.0	40.00	0	105	80	127	41.43	1.06	20	
Bromoform	45.570	5.0	40.00	0	114	67	136	48.91	7.07	20	
Bromomethane	65.390	5.0	40.00	0	163	45	148	65.09	0.460	20	S
Carbon tetrachloride	46.010	5.0	40.00	0	115	75	137	47.98	4.19	20	
Chlorobenzene	42.710	5.0	40.00	0	107	80	120	45.68	6.72	20	
Chloroethane	49.810	5.0	40.00	0	125	64	145	45.28	9.53	20	
Chloroform	44.280	5.0	40.00	0	111	75	120	44.77	1.10	20	
Chloromethane	48.020	5.0	40.00	0	120	58	139	48.49	0.974	20	
cis-1,2-Dichloroethene	44.670	5.0	40.00	0	112	76	120	46.53	4.08	20	
cis-1,3-Dichloropropene	41.460	5.0	40.00	0	104	77	128	42.60	2.71	20	
Dibromochloromethane	39.430	5.0	40.00	0	98.6	79	124	38.78	1.66	20	
Dibromomethane	47.350	5.0	40.00	0	118	80	120	47.90	1.15	20	
Dichlorodifluoromethane	42.250	5.0	40.00	0	106	64	137	41.63	1.48	20	
Ethylbenzene	46.130	5.0	40.00	0	115	79	120	46.71	1.25	20	
Freon-113	44.870	5.0	40.00	0	112	58	141	42.87	4.56	20	
Hexachlorobutadiene	42.450	5.0	40.00	0	106	72	126	45.33	6.56	20	
Isopropylbenzene	41.380	5.0	40.00	0	103	62	130	42.39	2.41	20	
m,p-Xylene	97.030	10	80.00	0	121	80	124	97.21	0.185	20	
Methylene chloride	44.670	5.0	40.00	0	112	65	136	46.00	2.93	20	
MTBE	38.670	5.0	40.00	0	96.7	65	130	39.86	3.03	20	
n-Butylbenzene	46.140	5.0	40.00	0	115	76	133	47.37	2.63	20	
n-Propylbenzene	46.140	5.0	40.00	0	115	76	131	46.84	1.51	20	
Naphthalene	38.460	5.0	40.00	0	96.2	58	127	38.30	0.417	20	
o-Xylene	43.980	5.0	40.00	0	110	75	121	44.35	0.838	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-LCSD** SampType: **LCSD** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **LCSS02** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	43.310	5.0	40.00	0	108	76	133	43.67	0.828	20	
Styrene	42.590	5.0	40.00	0	106	80	120	43.83	2.87	20	
tert-Butylbenzene	41.980	5.0	40.00	0	105	73	130	42.47	1.16	20	
Tetrachloroethene	46.050	5.0	40.00	0	115	77	124	45.77	0.610	20	
Toluene	39.750	5.0	40.00	0	99.4	79	120	42.78	7.34	20	
trans-1,2-Dichloroethene	42.070	5.0	40.00	0	105	72	129	43.26	2.79	20	
Trichloroethene	42.710	5.0	40.00	0	107	80	120	44.90	5.00	20	
Trichlorofluoromethane	45.040	5.0	40.00	0	113	66	146	49.16	8.75	20	
Vinyl chloride	44.690	5.0	40.00	0	112	68	141	46.06	3.02	20	
Surr: 1,2-Dichloroethane-d4	47.460		50.00		94.9	70	156		0		
Surr: 4-Bromofluorobenzene	50.560		50.00		101	73	129		0		
Surr: Dibromofluoromethane	48.190		50.00		96.4	73	146		0		
Surr: Toluene-d8	52.470		50.00		105	80	120		0		

Sample ID: **CA190621-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **PBS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **PBS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Alisto Engineering Group
Work Order: N036052
Project: PEA-E: Abraham Lincoln High School, 12-020-

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL5035

Sample ID: **CA190621-MB2** SampType: **MBLK** TestCode: **8260SOIL503** Units: **µg/Kg** Prep Date: RunNo: **134678**
Client ID: **PBS** Batch ID: **CA19VS117** TestNo: **EPA 8260B** Analysis Date: **6/21/2019** SeqNo: **3418838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.930		50.00		99.9	70	156				
Surr: 4-Bromofluorobenzene	45.400		50.00		90.8	73	129				
Surr: Dibromofluoromethane	53.060		50.00		106	73	146				
Surr: Toluene-d8	54.690		50.00		109	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

ALISTO ENGINEERING GROUP
CHAIN OF CUSTODY

Project Information:

Project No: 12-020-07
Project Title: PEA-E: Abraham Lincoln High School
Location: 3501 North Broadway, Los Angeles, CA
Sampler's Name: (print) Hamidou Barry, James Ramos
Sampler's Signature:

Report To:

Consultant: Alisto Engineering Group
Address: 2737 North Main Street, Suite 200, Walnut Creek, CA 94597
Contact: Hamidou Barry: **hbarry@alisto.com**; Al Sevilla: **asevilla@alisto.com**
Phone: (925) 279-5000
Fax: (925) 279-5001

Bill To: Alisto Engineering Group

Samples Submitted To:

Laboratory: Asset Laboratories
Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703
Contact: Marianne Santos, **marianne@assetlaboratories.com**
Phone: (562) 219-7435
Cell:
Fax:

Shipment Method:
Air Bill Number:

TURN AROUND TIME

RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)
☐	☐	☐	☐	X

ANALYSIS

Sample ID.	Date	Time	#	Matrix	TPH by EPA 8015M G/D/MO	CAM-17 Metals by EPA 6010B/7471A	VOCs by EPA 8260B	OCPs by EPA 8081A	PCBs by EPA 8082				Lead - Soluble STLC/TCLP			
DRUM	6/13/19	1715	6	Soil	X	X	X	X	X							N036052-01

Notes:
OCPs by EPA Method 8081A
Chlordane and DDE/DDT/DDD

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	6/14/19	0900	Marianne Santos	6/14/19	900
Marianne Santos	6/14/19	1700	FEDEX	6/15/19	900

SPECIAL INSTRUCTIONS:

IR #2 4.3°C, 2.7°C 650 7407, 7409

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2019	Workorder:	N036052
Rep sample Temp (Deg C):	4.3/2.7	IR Gun ID:	2
Temp Blank:	☑ Yes ☐ No		
Carrier name:	Golden State Overnight		
Last 4 digits of Tracking No.:	7407/7409	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

For:

Checklist Completed By: FR YRJ 6/18/2019

Reviewed By: MBC 6/19/2019

ASSET Laboratories

WORK ORDER Summary

17-Jun-19

WorkOrder: N036052

Client ID: ALIEN01

Project: PEA-E: Abraham Lincoln High School, 12-020 **QC Level:** RTNE **Date Received:** 6/14/2019

Comments: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N036052-001A	DRUM	6/13/2019 5:15:00 PM	6/21/2019	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			6/21/2019			MERCURY PREP	☐	☐	☐	WS
			6/21/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	WS
			6/21/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	☐	☐	☐	WS
			6/21/2019		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WS
			6/21/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	☐	☐	☐	WS
N036052-001B			6/21/2019		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☑	SUB
			6/21/2019		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☑	SUB
N036052-001C			6/21/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	V-CA
			6/21/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	☐	☐	☐	V-CA
N036052-001D							☐	☐	☐	V-CA
N036052-001E			6/21/2019		EPA 5035	Closed System Purge and Trap	☐	☐	☐	VS
			6/21/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
N036052-001F							☐	☐	☐	VS
N036052-001G							☐	☐	☐	V-CA
N036052-002A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	☐	☐	☐	LAB
			6/21/2019		Folder	Folder	☐	☐	☐	LAB

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client: ASSET Laboratories	Report to: Marianne Santos	Bill to: Elvira Allegaert/Accounts Payable	EDD Requirement: Excel EDD ☐ Geotracker ☐ Labspec ☐ Others ☐ Specify:
Address: 11110 Artesia Blvd Ste B	Company: ASSET Laboratories	Address: 11110 Artesia Blvd Ste B	QA/QC: RTNE ☐ RWQCB ☐ CalTrans ☐ Level III ☐ LEVEL IV ☐ Regulatory ☐ Specify State:
Address: Cerritos, CA 90703	Email: marianne@assetlaboratories.com; reports@assetlaboratories.com	Cerritos, CA 90703	Sampe Receipt Condition: Y N 1. Chilled ☐ ☐ 2. Headspace ☐ ☐ 3. Container Intact ☐ ☐ 4. Seal Present ☐ ☐ 5. IR number 6. Method of Cooling
Phone: 562.219.7435 Fax: 562.219.7436	Address: 11110 Artesia Blvd Ste B	Email to: elvira@assetlaboratories.com PO# N36052A	Sample Temp:
Submitted by: Marianne Santos	Cerritos, CA 90703	Phone: 562.219.7435 Fax: 562.219.7436	Global ID:
Title:	Phone: 562.219.7435 Fax: 562.219.7436		
Signature: Date:	Sampled by: Signed		
I hereby authorize ASSET Labs to perform the tests indicated below:	I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		
Project Name: PEA-E: Abraham Lincoln High School	Signature:		
Project Number: 12-020-07			

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☒ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: CAM 17 (except mercury)

Courier:
Tracking No.

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		DRUM	6/13/19	1715		X		X	E	1	G		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Karla Sevilla	6/14/19 1417		06/14/19 1417
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time

Turn Around Time (TAT)
- ☐ A < 24 Hrs or Same Day TAT
- ☐ B = Next Workday
- ☐ C = 2 Workdays
- ☐ D = 3 Workdays
- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day if samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   1 Workday = 24 hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	
Others/Specify:			

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy Yellow = Customer's Copy

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167409

SDS

LAS VEGAS

C89102A

4271331

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 3 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

INH 2
2-7°C

GSO | GLS

800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

Tracking #: 545167407

SDS

LAS VEGAS

C89102A

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

IR #2
4.3°C

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Number of Pages 4
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98588	06/14/2019	ASSET

Project ID: 12-020-07
Project Name: PO# N36052A
Site: PEA-E: Abraham Lincoln HS

Enclosed please find results of analyses of 1 solid sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

98588

Page 1 of 1

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.3072691
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

Client: ASSET Laboratories	Report to: Marianne Santos	Bill to: Elvira Allegaert/Accounts Payable	EDD Requirement
Address: 11110 Artesia Blvd Ste B	Company: ASSET Laboratories	Address: 11110 Artesia Blvd Ste B	Excel EDD ☐
Address: Cerritos, CA 90703	Email: marianne@assetlaboratories.com, reports@assetlaboratories.com	Cerritos, CA 90703	Geotracker ☐
Phone: 562.219.7435 Fax: 562.219.7436	Address: 11110 Artesia Blvd Ste B	Email to: elvira@assetlaboratories.com	Labspec ☐
Submitted By: Marianne Santos	Cerritos, CA 90703	PO# N36052A	Others ☐
Title:	Phone: 562.219.7435 Fax: 562.219.7436	Phone: 562.219.7435 Fax: 562.219.7436	Specify:
Signature: Date:	Sampled by: Signed		Global ID:
I hereby authorize ASSET Labs to perform the tests indicated below:	I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		
Project Name: PEA-E: Abraham Lincoln High School	Signature:		
Project Number: 12-020-07			

QA/QC	
RTNE	☐
RWQCB	☐
CalTrans	☐
Level III	☐
LEVEL IV	☐
Regulatory	☐
Specify State:	

Sampe Receipt Condition	Y	N
1. Chilled	☐	☐
2. Headspace	☐	☐
3. Container Intact	☐	☐
4. Seal Present	☐	☐
5. IR number		
6. Method of Cooling		
Sample Temp:		

Matrix: Ground ☐ Sediment ☐ Potable ☐ Soil ☒ NPDES ☐ Other Solid ☐ Surface ☐

Analyses Requested: CAM 17 (except mercury)

Courier:

Tracking No.

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	CAM 17 (except mercury)	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	98588-01	DRUM	6/13/19	1715		X		X	E	1	G		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Ami Karla Sevilla	6/14/19 1417		06/14/19 1417
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time
Relinquished by (Signature and Printed Name)	Date / Time	Received by (Signature and Printed Name)	Date / Time

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- ☐ A < 24 Hrs or Same Day TAT
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- ☒ E = Routine 5-7 Workdays

TAT Starts at 8 AM the following day If samples received after 3:00 PM.

Special Instruction:

Terms
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis
   Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
3. Custom EDD formats will be an additional 3% of the total project price.
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.
5. Trip Blanks and Equipment Blanks are billable sample.
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.
7. Terms are net 30 Days.
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.
9. For subcontract analysis, TAT and Surcharges will vary.

Preservatives:

H = HCl	N = HNO_3	S = H_2SO_4	C = 4°C
Z = $Zn(AC)_2$	O = NaOH	T = $Na_2S_2O_3$	
Others/Specify:			

Container Type:

T = Tube	V = VOA	P = Pint
J = Jar	B = Tedlar	G = Glass
M = Metal	P = Plastic	C = Can

White = Laboratory Copy

Yellow = Customer's Copy

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
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COOLER RECEIPT FORM

Client Name: Asset lab
Project Name:
AETL Job Number: 98588
Date Received: 06/14/19 Received by: [illegible]
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (/) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.3°C, No 2: _____, No 3: _____
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____
How are samples preserved: ☐ None, ☒ Ice , ☐ Blue Ice, ☐ Dry Ice
☒ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH
☐ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	Y		
2. Are the Sample labels legible?	Y		
3. Do samples match the COC?	Y		
4. Are the required analyses clear?	Y		
5. Is there enough samples for required analysis?	Y		
6. Are samples sealed with evidence tape?		Y	
7. Are sample containers in good condition?	Y		
8. Are samples preserved?	Y		
9. Are samples preserved properly for the intended analysis?	Y		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	Y		

Explain all "No" answers for above questions:

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Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attention: Marianne Santos

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Job Number	Order Date	Client
98588	06/14/2019	ASSET

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 06/14/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
98588.01	DRUM	06/13/2019	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/21/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 2

Project ID: 12-020-07
Project Name: PO# N36052A

AETL Job Number	Submitted	Client
98588	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4

Our Lab I.D.			Method Blank	**98588.01**			
Client Sample I.D.				DRUM			
Date Sampled				06/13/2019			
Date Prepared			06/17/2019	06/17/2019			
Preparation Method			3050B	3050B			
Date Analyzed			06/19/2019	06/19/2019			
Matrix			Solid	Solid			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	124			
Beryllium	1.0	2.5	ND	ND			
Cadmium	1.0	2.5	ND	ND			
Chromium	2.5	5.0	ND	18.9			
Cobalt	2.5	5.0	ND	6.64			
Copper	2.5	5.0	ND	24.2			
Lead	2.5	5.0	ND	42.3			
Molybdenum	2.0	5.0	ND	2.38J			
Nickel	2.5	5.0	ND	19.1			
Selenium	1.0	5.0	ND	ND			
Silver	2.0	5.0	ND	ND			
Thallium	0.7	5.0	ND	ND			
Vanadium	2.5	5.0	ND	42.5			
Zinc	2.5	5.0	ND	65.1			

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QUALITY CONTROL RESULTS

Ordered By

ASSET Laboratories
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Suite B
Cerritos, CA 90703

Telephone: (702)307-2659
Attn: Marianne Santos

Site

PEA-E: Abraham Lincoln HS

Page: 3

Project ID: 12-020-07
Project Name: PO# N36052A

AETL Job Number	Submitted	Client
98588	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.5	103	50.0	52.5	105	1.9	75-125	<15
Arsenic	0.00	50.0	40.6	81.2	50.0	41.0	82.0	<1	75-125	<15
Barium	107	50.0	158	102	50.0	158	102	<1	75-125	<15
Beryllium	0.00	50.0	43.3	86.6	50.0	43.2	86.4	<1	75-125	<15
Cadmium	0.00	50.0	44.0	88.0	50.0	44.1	88.2	<1	75-125	<15
Chromium	16.7	50.0	61.2	89.0	50.0	61.2	89.0	<1	75-125	<15
Cobalt	9.01	50.0	50.3	82.6	50.0	50.4	82.8	<1	75-125	<15
Copper	16.4	50.0	66.7	101	50.0	66.5	100	<1	75-125	<15
Lead	5.23	50.0	45.2	79.9	50.0	45.4	80.3	<1	75-125	<15
Molybdenum	0.00	50.0	45.6	91.2	50.0	46.0	92.0	<1	75-125	<15
Nickel	10.8	50.0	52.0	82.4	50.0	52.0	82.4	<1	75-125	<15
Selenium	0.00	50.0	26.5 #	53.0	50.0	24.9 #	49.8	6.2	75-125	<15
Silver	0.00	50.0	41.7	83.4	50.0	41.6	83.2	<1	75-125	<15
Thallium	0.00	50.0	24.7 #	49.4	50.0	25.3 #	50.6	2.4	75-125	<15
Vanadium	33.0	50.0	80.1	94.2	50.0	80.0	94.0	<1	75-125	<15
Zinc	54.7	50.0	99.2	89.0	50.0	98.9	88.4	<1	75-125	<15

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	57.6	115	50.0	57.3	115	<1	75-125	<15	
Arsenic	50.0	56.7	113	50.0	55.8	112	<1	75-125	<15	
Barium	50.0	54.4	109	50.0	53.8	108	<1	75-125	<15	
Beryllium	50.0	56.8	114	50.0	56.1	112	1.8	75-125	<15	
Cadmium	50.0	56.7	113	50.0	56.1	112	<1	75-125	<15	
Chromium	50.0	55.5	111	50.0	54.8	110	<1	75-125	<15	
Cobalt	50.0	52.7	105	50.0	52.2	104	<1	75-125	<15	
Copper	50.0	54.6	109	50.0	53.3	107	1.9	75-125	<15	
Lead	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 12-020-07
Project Name: PO# N36052A

AETL Job Number	Submitted	Client
98588	06/14/2019	ASSET

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0617192C4; Dup or Spiked Sample: 98585.01; LCS: Blank; QC Prepared: 06/17/2019; QC Analyzed: 06/19/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Nickel	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Selenium	50.0	60.5	121	50.0	60.5	121	<1	75-125	<15	
Silver	50.0	55.5	111	50.0	55.0	110	<1	75-125	<15	
Thallium	50.0	52.0	104	50.0	51.0	102	1.9	75-125	<15	
Vanadium	50.0	55.0	110	50.0	54.5	109	<1	75-125	<15	
Zinc	50.0	60.0	120	50.0	59.5	119	<1	75-125	<15	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX I

Noise Modeling Results

Lincoln High School - Construction Noise Calculations

Construction Phase: Demolition

Equipment	Number of Equipment	dBA Lmax at 50 ft	Utilization Percentage	Noise Levels at Receptors (Leq dBA)					
				Clinic (100 ft)	Residences On Alta Street (100 ft)	Residences On N Broadway (150 ft)	Residences On Lincoln High Drive (150 ft)	Residences On Lincoln Park Avenue (100 ft)	On-site School Buildings (25 ft)
Excavator w/Breaker	1	85	40	75	75	71	71	75	87
Loader	2	80	20	67	67	63	63	67	79
Crushing Equipment	1	80	40	70	70	66	66	70	82
Water Truck	1	80	40	70	70	66	66	70	82
Generator	2	84	20	71	71	67	67	71	83
			Total Sound Level:	78	78	75	75	78	90

Construction Phase: Grading

Equipment	Number of Equipment	dBA Lmax at 50 ft	Utilization Percentage	Noise Levels at Receptors (Leq dBA)					
				Clinic (100 ft)	Residences On Alta Street (100 ft)	Residences On N Broadway (150 ft)	Residences On Lincoln High Drive (150 ft)	Residences On Lincoln Park Avenue (100 ft)	On-site School Buildings (25 ft)
Excavator	1	85	40	75	75	71	71	75	87
Compactor	1	80	20	67	67	63	63	67	79
Loader	2	80	40	70	70	66	66	70	82
Water Truck	1	84	40	74	74	70	70	74	86
Dump Truck	1	84	40	74	74	70	70	74	86
Roller	2	85	20	72	72	68	68	72	84
Trencher	1	85	40	75	75	71	71	75	87
			Total Sound Level:	82	82	78	78	82	94

Construction Phase: Building Construction

Equipment	Number of Equipment	dBA Lmax at 50 ft	Utilization Percentage	Noise Levels at Receptors (Leq dBA)					
				Clinic (100 ft)	Residences On Alta Street (100 ft)	Residences On N Broadway (150 ft)	Residences On Lincoln High Drive (150 ft)	Residences On Lincoln Park Avenue (100 ft)	On-site School Buildings (25 ft)
Drill Rig	1	85	50	76	76	72	72	76	88
Concrete Pump	1	82	20	69	69	65	65	69	81
Crane	1	85	15	71	71	67	67	71	83
Fork Lift	4	80	40	70	70	66	66	70	82
Loader	2	80	40	70	70	66	66	70	82
Water Truck	1	84	40	74	74	70	70	74	86
Welder	1	80	40	70	70	66	66	70	82
Generator	1	82	50	73	73	69	69	73	85
			Total Sound Level:	81	81	78	78	81	93

Construction Phase: Building Interiors

Equipment	Number of Equipment	dBA Lmax at 50 ft	Utilization Percentage	Noise Levels at Receptors (Leq dBA)					
				Clinic (100 ft)	Residences On Alta Street (100 ft)	Residences On N Broadway (150 ft)	Residences On Lincoln High Drive (150 ft)	Residences On Lincoln Park Avenue (100 ft)	On-site School Buildings (25 ft)
Air Compressor	1	85	50	76	76	72	72	76	88
			Total Sound Level:	76	76	72	72	76	88

Construction Phase: Asphalt Paving

Equipment	Number of Equipment	dBA Lmax at 50 ft	Utilization Percentage	Noise Levels at Receptors (Leq dBA)					
				Clinic (100 ft)	Residences On Alta Street (100 ft)	Residences On N Broadway (150 ft)	Residences On Lincoln High Drive (150 ft)	Residences On Lincoln Park Avenue (100 ft)	On-site School Buildings (25 ft)
Loader	1	80	40	70	70	66	66	70	82
Roller	2	85	20	72	72	68	68	72	84
Paver	1	85	50	76	76	72	72	76	88
Dump Truck	1	84	40	74	74	70	70	74	86
Water Truck	1	84	40	74	74	70	70	74	86
			Total Sound Level:	81	81	77	77	81	93

Lincoln HS Construction Vibration Calculations

Vibration Source	Reference Vibration Level at 25 ft	Vibration Level at Receptors (VdB)		
		High School Structure (25 ft)	Nearest Residence (100 ft)	Residence (150 ft)
Dozer	87	87	69	64
Vibratory roller	94	94	76	71
Hoe Ram	87	87	69	64
Caisson Drill	87	87	69	64
Loaded Trucks	86	86	68	63
Jackhammer	79	79	61	56
Small Dozer	58	58	40	35

Lincoln High School - Operational Noise Calculations

Operational Noise Sources

	Result. PWL			Coordinates		
	Day	Evening	Night	X	Y	Z
Name	(dBA)	(dBA)	(dBA)	(m)	(m)	(m)
AHU	74	74	74	11388932	3771205.14	11
AHU	74	74	74	11389075	3771097.28	11
AHU	74	74	74	11388808	3771036.94	11
AHU	74	74	74	11388808	3771026.89	11
AHU	74	74	74	11388975	3771140.55	11
AHU	74	74	74	11388967	3771141.23	11
AHU	74	74	74	11388983	3771141.92	11
AHU	74	74	74	11388983	3771134.15	11
AHU	74	74	74	11388884	3771129.14	11
AHU	74	74	74	11388884	3771117.13	11
AHU	74	74	74	11388883	3771105.8	11
AHU	74	74	74	11388898	3771095.13	11
AHU	74	74	74	11388911	3771094.33	11
AHU	74	74	74	11388932	3771132.14	11
AHU	74	74	74	11388932	3771119.47	11
AHU	74	74	74	11388931	3771106.47	11
AHU	74	74	74	11389001	3771114.77	11
AHU	74	74	74	11389002	3771127.01	11
AHU	74	74	74	11388994	3771107.88	11
AHU	74	74	74	11388835	3771026.45	11
AHU	74	74	74	11388845	3771027.12	11
AHU	74	74	74	11388854	3771027.12	11
AHU	74	74	74	11388946	3771026.45	11
AHU	74	74	74	11388956	3771027.12	11
AHU	74	74	74	11388966	3771027.79	11
AHU	74	74	74	11388998	3771061.79	11
AHU	74	74	74	11388998	3771053.12	11
AHU	74	74	74	11388997	3771045.46	11
AHU	74	74	74	11389075	3771087.64	11
AHU	74	74	74	11389074	3771077.03	11
AHU	74	74	74	11388934	3771231.28	11
exhaust	64	64	64	11388939	3771205.31	11
Exhaust	64	64	64	11389087	3771098.03	11
Exhaust	64	64	64	11388816	3771036.99	11
Exhaust	64	64	64	11388815	3771026.67	11
Exhaust	64	64	64	11388968	3771134.65	11
Exhaust	64	64	64	11388992	3771133.3	11
Exhaust	64	64	64	11388992	3771142.27	11
Exhaust	64	64	64	11388975	3771134.56	11

Exhaust	64	64	64	11388876	3771129.47	11
Exhaust	64	64	64	11388877	3771117.47	11
Exhaust	64	64	64	11388876	3771105.8	11
Exhaust	64	64	64	11388925	3771132.14	11
Exhaust	64	64	64	11388925	3771118.8	11
Exhaust	64	64	64	11388924	3771107.13	11
Exhaust	64	64	64	11388899	3771089.46	11
Exhaust	64	64	64	11388911	3771089.8	11
Exhaust	64	64	64	11388834	3771035.12	11
Exhaust	64	64	64	11388845	3771035.46	11
Exhaust	64	64	64	11388855	3771035.79	11
Exhaust	64	64	64	11388946	3771032.79	11
Exhaust	64	64	64	11388957	3771032.79	11
Exhaust	64	64	64	11388967	3771033.46	11
Exhaust	64	64	64	11388989	3771060.13	11
Exhaust	64	64	64	11388989	3771052.12	11
Exhaust	64	64	64	11388989	3771044.12	11
Exhaust	64	64	64	11389002	3771108.11	11
Exhaust	64	64	64	11388994	3771115.11	11
Exhaust	64	64	64	11388994	3771125.49	11
Exhaust	64	64	64	11389088	3771087.53	11
Exhaust	64	64	64	11389088	3771076.4	11
Exhaust	64	64	64	11388949	3771231.03	11

Lincoln High School - Operational Noise Calculations

Operational Noise Results

Location	Distance (feet)	Ambient Noise Levels (dBA)		Predicted Project Operational Noise Levels (dBA)	Ambient + Predicted (dBA)		Overall Increase (dBA)	
		Day	Night		Day	Night	Day	Night
Clinic	100	50 - 60	40 - 55	34	50 - 60	41 - 55	<1	1
Alta St	100	50 - 60	40 - 55	36	50 - 60	41 - 55	<1	1
N Broadway	150	50 - 60	40 - 55	37	50 - 60	42 - 55	<1	2
Lincoln Park Ave	100	50 - 60	40 - 55	36	50 - 60	41 - 55	<1	1
Lincoln High Dr	150	50 - 60	40 - 55	29	50 - 60	40 - 55	<1	<1