

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
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Alisto Project No. 12-0020-007

December 18, 2019



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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 ($\mu\text{g}/\text{kg}$) 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 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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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 of 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 samples 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 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 MSSSLs 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 MSSSLs 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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Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO), 2016. Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SLs). April 2019.

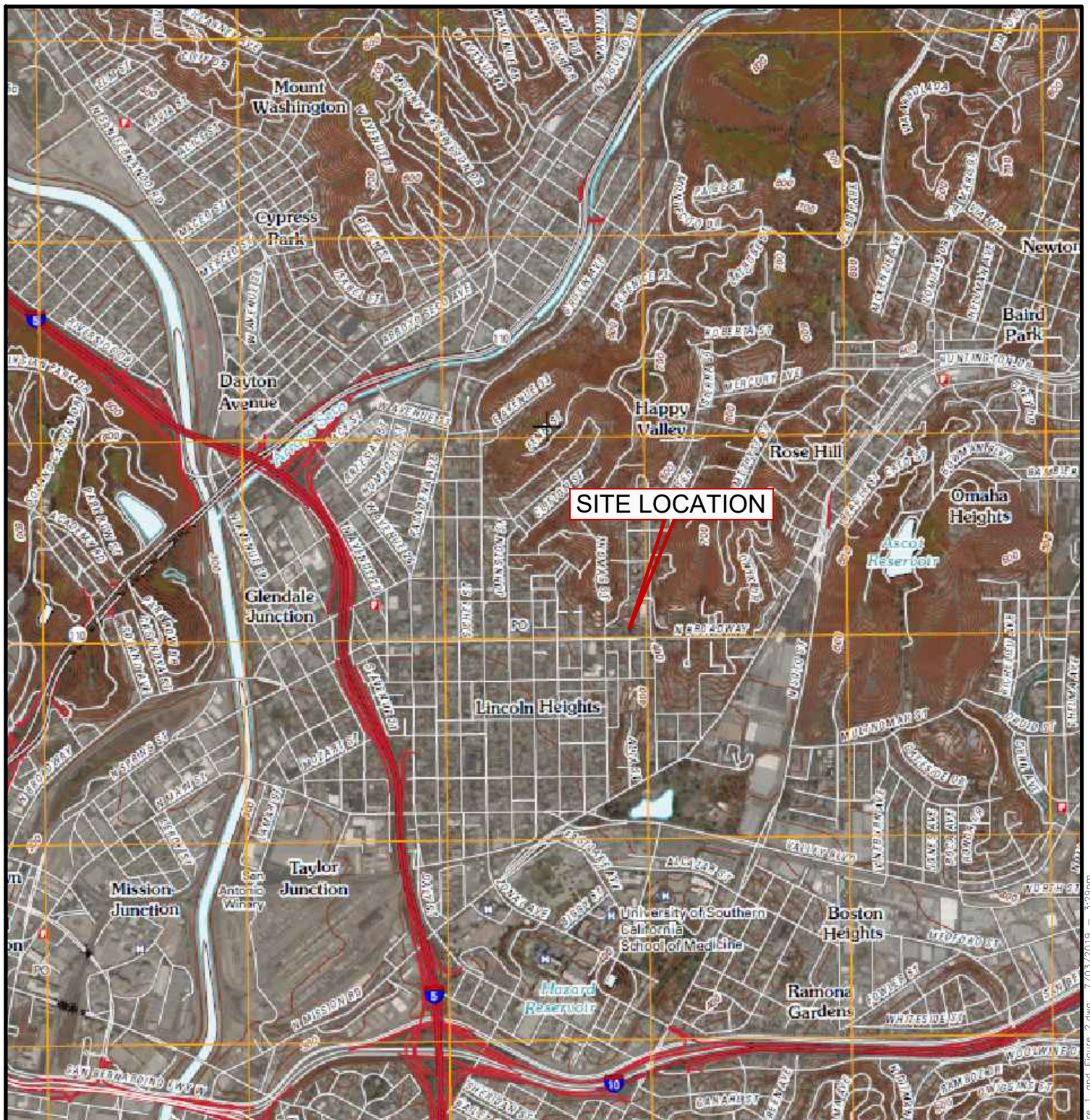
South Coast Air Quality Management District (AQMD), 2017. Rule 1466, Control of Particulate Emissions from Soil with Toxic Air Contaminants. Adopted July 7, 2017 and Amended December 1, 2017.

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



0 1 2.5 5
MILE

QUADRANGLE LOCATION

FIGURE 1 - SITE VICINITY

LOS ANGELES UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN HIGH SCHOOL

3501 N. BROADWAY
LOS ANGELES, CALIFORNIA

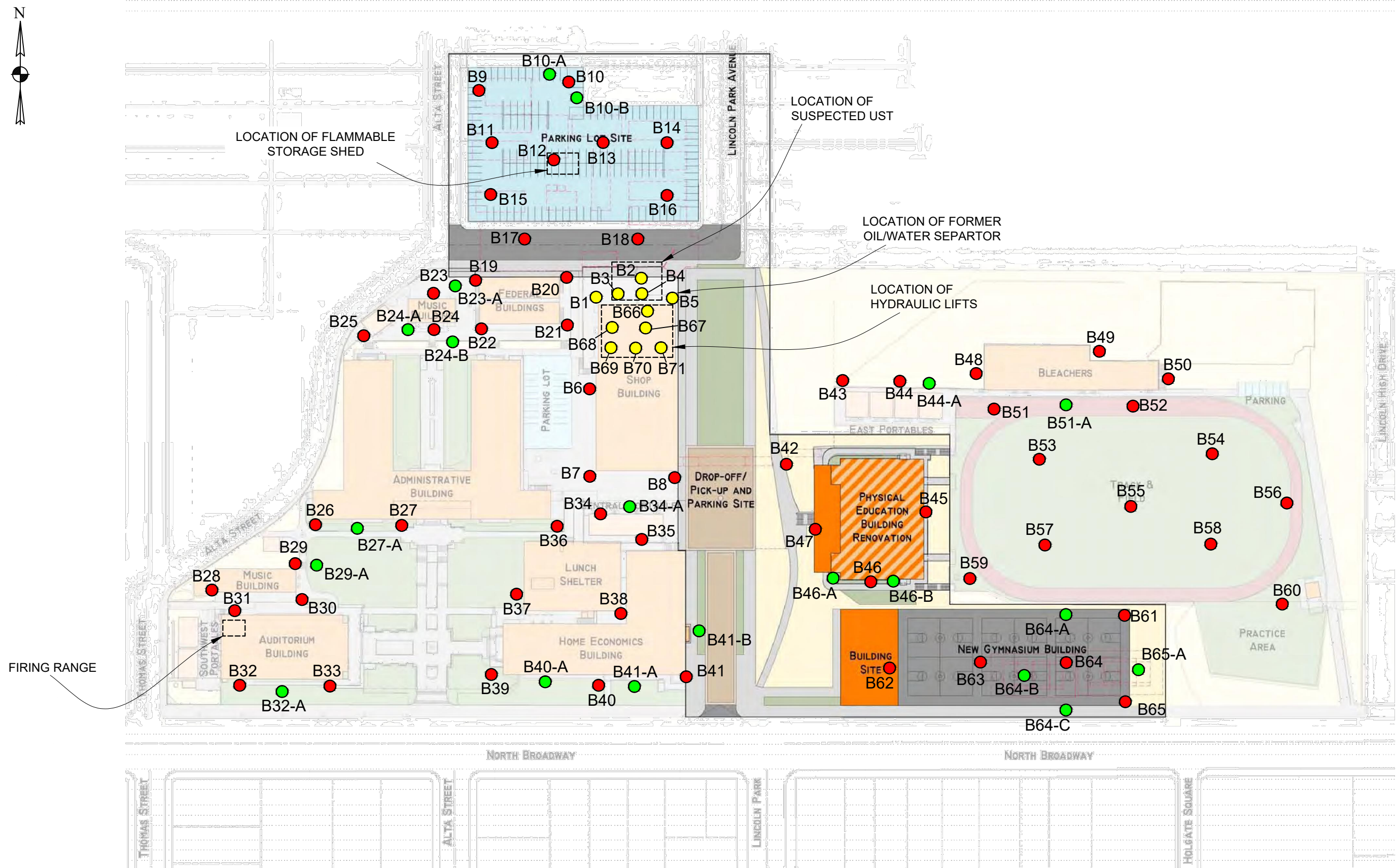
PROJECT NO: 12-0020-007

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



LEGEND

- HAND AUGER BORINGS TO 3 FEET BGS
- STEP-OUT BORINGS TO 3 FEET BGS
- DIRECT-PUSH BORINGS TO APPROX. 15 FEET BGS
- BOUNDARY



*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

TABLES

TABLE I: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPs

Abraham Lincoln High School
3501 North Broadway, 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 I: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPs

Abraham Lincoln High School
3501 North Broadway, 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 I: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPs

Abraham Lincoln High School
3501 North Broadway, 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 I: SOIL SAMPLE ANALYTICAL RESULTS - Arsenic, Lead and OCPs

Abraham Lincoln High School
3501 North Broadway, 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 Broadway, 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 Broadway, 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 Broadway, 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 Chlordane and DDE / DDT/DDD) by EPA Method 8081A.

4,4'-DDD Dichlorodiphenyldichloroethane.

4,4'-DDE Dichlorodiphenyldichloroethylene.

4,4'-DDT Dichlorodiphenyltrichloroethane.

TTLIC 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.

TTLIC and STLC are in micrograms per liter (µg/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 Broadway, 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.

TTL 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 Broadway, 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 QC-6	1	6/12/2019	ND	4.4	ND	ND	ND	ND
	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 QC-7	0.5	6/12/2019	ND	ND	ND	ND	ND	ND
	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 B67	5	8/16/2019	ND	ND	ND	ND	ND	ND
	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 Broadway, 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)
B7I	1	8/16/2019	ND	ND	ND	ND	ND	ND
B7I	5	8/16/2019	ND	ND	ND	ND	ND	ND*
B7I	10	8/16/2019	---	---	---	---	---	---
B7I	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 Broadway, 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 QC-6	1	6/12/2019	ND	11	23	ND	---
	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	---
	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	---	---	---	---
	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	---	---
	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 detected at a concentratyon 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 conentratyon 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 Los Angeles
Oficina de Salud y Seguridad Ambiental

RESPECTO A: Evaluación Preliminar 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 Preliminar 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 Evaluación 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

Yonas Taye, REHS

☐ ANNULAR SEAL FINAL INSPECTION REQUIRED

☐ WELL COMPLETION LOG REQUIRED

DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
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☐ WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED

☐ WATER QUALITY—CHEMICAL STANDARDS REQUIRED

DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
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☐ WATER SUPPLY YIELD REQUIRED

☐ OTHER REQUIREMENT

DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
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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	$Cu \geq 4$ and $1 \leq Cc \leq 3$		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	$Cu \geq 4$ and $1 \leq Cc \leq 3$		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	$Cu \geq 6$ and $1 \leq Cc \leq 3$		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	$Cu \geq 6$ and $1 \leq Cc \leq 3$		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
	SILTS AND CLAYS (Liquid limit greater than 50)				OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
					MH	INORGANIC SILTS MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
					CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
					OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM TO HIGH PLASTICITY



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			CU	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.



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
0		1			ML	ASPHALT 3"—hand augered to 5 feet bgs
		2				
		3				
		4				
0		5				SANDY SILT — dark gray (2.5YR 4/1), non plastic fines, fine sand, some subrounded gravel to 0.5", dry.
		6				
		7				
		8				
		9				
0		10			CL	SILTY, SANDY CLAY — grayish brown (2.5YR 5/2), medium plasticity, hard, few coarse and fine sand, dry.
		11				
		12				
		13				
		14				
0		15				Same — hard to very hard
						Boring terminated at 15 feet bgs. Backfilled with neat cement grout.



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				
		7				
		8				
		9			TC	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.



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
0		1			ML	ASPHALT 3" - hand augered to 5 feet bgs
		2				
		3				
		4				SANDY SILT - dark gray (2.5YR 4/1), non plastic fines, fine to very fine sand, few coarse sand, dry.
0		5			TC	SILTY CLAY - dark gray (2.5YR 4/1), medium plasticity, stiff, few fine sand, trace rounded gravel to 0.25", dry.
		6				
		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.



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.


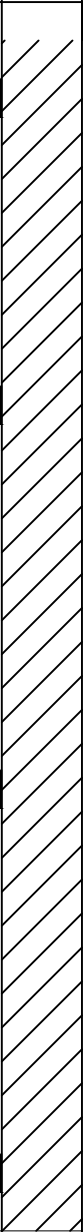
APPROVED BY: H. BARRY

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, few rounded gravel to 1" diameter, dry.
		2				
		3				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				SILTY CLAY - dark gray (2.5YR 4/1), medium plasticity, stiff, dry.
		7				
		8			CL	
		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.



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
		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16			CL	CONCRETE 6.5" 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. SILTY CLAY - dark gray (2.5YR 1/4), medium plasticity, few fine sand, trace coarse sand, dry. - hard, dry Boring terminated at 16 feet bgs. Backfilled with soil cuttings.



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				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 mottling, trace rounded gravel to 0.75" diameter, hard, dry.
		10				
		11				
		12				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.



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
		1				CONCRETE 6"
		2				
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		15				
		16				

SANDY SILT – dark gray (2.5YR 1/4), medium plasticity, stiff, few coarse sand, dry.

CL

SILTY CLAY – dark gray (2.5YR 1/4), medium plasticity, stiff to hard, dry.

–hard, dry.

Boring terminated at 16 feet bgs.
Backfilled with soil cuttings.



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				SILTY CLAY – dark gray (2.5YR 4/1), stiff, low plasticity, few fine sand, dry.
		4				
		5				
		6				
		7			CL	–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				
		14			CL	SILTY CLAY – dark gray (2.5YR 4/1), stiff to hard, medium plasticity, dry.
		15				
		16				Boring terminated at 16 feet bgs. Backfilled with soil cuttings.



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
		1				CONCRETE 6"
		2				
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		15				
		16				



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				SILTY CLAY – dark gray (2.5YR 4/1), medium plasticity, stiff, trace rounded gravel 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

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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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.



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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



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ORELAP/NELAP Cert 4046

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



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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
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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
4,4'-DDE	5.5	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	63.3	24-109	%REC
Surr: Decachlorobiphenyl	53.4	23-115	%REC

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
Lead	74	1.2	mg/Kg

Qualifiers:	B	Analyte detected in 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: 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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	46.1	24-109	%REC
Surr: Decachlorobiphenyl	43.0	23-115	%REC

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
Lead	99	1.2	mg/Kg

Qualifiers:	B	Analyte detected in 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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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		


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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		


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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		


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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		


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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	2.5	2.0	µg/Kg
Chlordane	32	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	56.3	24-109	%REC
Surr: Decachlorobiphenyl	38.7	23-115	%REC

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
Lead	47	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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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
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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
4,4'-DDE	9.1	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	41	8.6	µg/Kg
Surr: Tetrachloro-m-xylene	58.2	24-109	%REC
Surr: Decachlorobiphenyl	25.7	23-115	%REC

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
Lead	18	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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Print Date: 02-Jul-19

CLIENT:	Alisto Engineering Group	Client Sample ID:	B37@0.5'
Lab Order:	N035978	Collection Date:	6/10/2019 3:00:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	Matrix:	SOIL
Lab ID:	N035978-025		

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		


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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		


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ANALYTICAL RESULTS

Print Date: 02-Jul-19

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		


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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
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID:	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
 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



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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
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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
 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



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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		


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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		


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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		


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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			


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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			



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"Serving Clients with Passion and Professionalism"

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 | | | |



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"Serving Clients with Passion and Professionalism"

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			



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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:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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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:

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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:

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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:

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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:

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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:

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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	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			



ASSET LABORATORIES

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 3151 W. Post Rd., Las Vegas, NV 89118
 ELAP Cert 2676 | NV Cert NV00922
 ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL, INDUSTRIAL, & FORENSIC

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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL, INDUSTRIAL, AND FOODS

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3151 W. Post Rd., Las Vegas, NV 89118
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ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



ASSET LABORATORIES

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"Serving Clients with Passion and Professionalism"

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:					
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i> Sampler's Signature: <i>[Signature]</i>					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					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:					
					Bill To:										
					Alisto Engineering Group										
TURN AROUND TIME					ANALYSIS										
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium - 17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCs 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	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											
Sample ID.	Date	Time	#	Matrix											
B26e 0.5'	6/10/2019	1220	1	Soil	X	X				X			N035978-01		
B26e 1.5'		1223	1										-02		
B26e 3.0'		1226	1										-03		
B27e 0.5'		1200	1		X	X				X			-04		
B27e 1.5'		1202	1										-05		
B27e 3.0'		1205	1										-06		
B28e 0.5'		1430	1		X	X				X			-07		
B28e 1.5'		1435	1										-08		
B28e 3.0'		1440	1										-09		
B29e 0.5'		1357	1		X	X				X			-10		
Relinquished By: <i>[Signature]</i>					Date: 6/11/19		Time: 1140		Received By: <i>[Signature]</i> Karla Sevilla		Date: 6/11/19		Time: 1140		SPECIAL INSTRUCTIONS:
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/11/19		Time: 1300		Received By: <i>[Signature]</i> MARIANNE SANTOS		Date: 6/11/19		Time: 1300		
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/11/19		Time: 1700		Received By: <i>[Signature]</i> LM		Date: 6/12/19		Time: 0812		

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY															
Project Information:					Report To:					Samples Submitted To:					
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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					
Sampler's Name: (print) <i>Hamidou Barry James Ramos</i>					Bill To: Alisto Engineering Group					Shipment Method:					
Sampler's Signature: <i>[Signature]</i>										Air Bill Number:					
TURN AROUND TIME					ANALYSIS										
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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			Notes:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											OCPS by EPA Method 8081A: Chlordane and DDE/DDT/DDD
Sample ID.	Date	Time	#	Matrix											
B29e 1.5'	6/10/2019	1400	1	Soil									N035978-11		Hold
B29e 3.0'		1408	1										-12		Hold
B30e 0.5'		1415	1		X	X				X			-13		
B30e 1.5'		1420	1										-14		Hold
B30e 3.0'		1425	1										-15		Hold
B34e 0.5'		1110	1		X	X				X			-16		
B34e 1.5'		1112	1										-17		Hold
B34e 3.0'		1115	1										-18		Hold
B35e 0.5'		1125	1		X	X				X			-19		
B35e 1.5'		1127	1										-20		Hold
Relinquished By: <i>[Signature]</i>					Date: 6/11/19 Time: 1140		Received By: <i>[Signature]</i> Karla Sevilla			Date: 6/11/19 Time: 1140		SPECIAL INSTRUCTIONS:			
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/11/19 Time: 1300		Received By: <i>[Signature]</i> MARIANNE SANTOS			Date: 6/11/19 Time: 1300					
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/11/19 Time: 1700		Received By: <i>[Signature]</i> LM			Date: 6/12/19 Time: 0812					

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				
TURN AROUND TIME					ANALYSIS									
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium - 17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCs 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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Sample ID.	Date	Time	#	Matrix										
B35e 3.0'	6/10/2019	1135	1	Soil										N035978-21
B36e 0.5'		1145	1		X	X				X				-22
B36e 1.5'		1147	1											-23
B36e 3.0'		1150	1											-24
B37e 0.5'		1500	1		X	X				X				-25
B37e 1.5'		1505	1											-26
B37e 3.0'		1510	1											-27
B39e 0.5'		1530	1		X	X				X				-28
B39e 1.5'		1533	1											-29
B39e 3.0'		1536	1											-30
Relinquished By: <i>[Signature]</i>					Date: 6/11/19 Time: 1140		Received By: <i>[Signature]</i> Karla Sevilla		Date: 6/11/19 Time: 1140		SPECIAL INSTRUCTIONS:			
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/11/19 Time: 1300		Received By: <i>[Signature]</i> Marianne Santos		Date: 6/11/19 Time: 1300					
Relinquished By: <i>[Signature]</i> Marianne Santos					Date: 6/11/19 Time: 1700		Received By: <i>[Signature]</i> Karla Sevilla		Date: 6/12/19 Time: 0012					

IL#2 2.1 GPO#2030

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:								
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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								
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Ramas</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:								
Sampler's Signature: <i>[Signature]</i>																		
TURN AROUND TIME					ANALYSIS													
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium - 17 Metals by EPA 6010B/7471A	TPH by EPA 8015M <i>g/g</i>	PAHs by EPA 8270 SIM	OCs 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		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>														
Sample ID.	Date	Time	#	Matrix														
QC-1	6/10/2019		1	Soil	X	X				X				N035978	-31			
B1200.5	6/11/19	0910	6	Soil	X	X		X		X		X			-32			
B1201.5	6/11/19	0915	6	Soil	X	X		X		X		X			-33	ON HOLD		
B1203.0	6/11/19	0925	6	Soil	X	X		X		X		X			-34	ON HOLD		
B1300.5	6/11/19	0958	1	Soil	X	X									-35			
B1301.5	6/11/19	1008	1	Soil	X	X									-36	ON HOLD		
B1303.0	6/11/19	1022	1	Soil	X	X									-37	ON HOLD		
B1400.5	6/11/19	1053	1	Soil	X	X									-38			
B1401.5	6/11/19	1055	1	Soil	X	X									-39	ON HOLD		
B1403.0	6/11/19	1100	1	Soil	X	X									-40	ON HOLD		
Relinquished By: <i>[Signature]</i>					Date: 6/11/19		Time: 1140		Received By: <i>[Signature]</i> Karla Sevilla					Date: 6/11/19		Time: 1140		SPECIAL INSTRUCTIONS:
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/11/19		Time: 1300		Received By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/11/19		Time: 1300		
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/11/19		Time: 1700		Received By: <i>[Signature]</i> M					Date: 6/12/19		Time: 0812		

IR #2 2.1 GPO# 2038

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

Checklist Completed By: RM  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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-002A	B26@1.5'	6/10/2019 12:23:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-003A	B26@3.0'	6/10/2019 12:26:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-004A	B27@0.5'	6/10/2019 12:00:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-005A	B27@1.5'	6/10/2019 12:02:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-006A	B27@3.0'	6/10/2019 12:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-007A	B28@0.5'	6/10/2019 2:30:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-008A	B28@1.5'	6/10/2019 2:35:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-009A	B28@3.0'	6/10/2019 2:40:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-010A	B29@0.5'	6/10/2019 1:57:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-011A	B29@1.5'	6/10/2019 2:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-012A	B29@3.0'	6/10/2019 2:08:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-013A	B30@0.5'	6/10/2019 2:15:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-014A	B30@1.5'	6/10/2019 2:20:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-015A	B30@3.0'	6/10/2019 2:25:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-016A	B34@0.5'	6/10/2019 11:10:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-017A	B34@1.5'	6/10/2019 11:12:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-018A	B34@3.0'	6/10/2019 11:15:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-019A	B35@0.5'	6/10/2019 11:25:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-020A	B35@1.5'	6/10/2019 11:27:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-021A	B35@3.0'	6/10/2019 11:35:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-023A	B36@1.5'	6/10/2019 11:47:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-024A	B36@3.0'	6/10/2019 11:50:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-025A	B37@0.5'	6/10/2019 3:00:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-026A	B37@1.5'	6/10/2019 3:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-027A	B37@3.0'	6/10/2019 3:10:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-028A	B39@0.5'	6/10/2019 3:30:00 PM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-029A	B39@1.5'	6/10/2019 3:33:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-030A	B39@3.0'	6/10/2019 3:36:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-031A	QC-1	6/10/2019	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-032A	B12@0.5	6/11/2019 9:10:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-032B			6/18/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/18/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-032C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-032D			6/18/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/18/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035978-032E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035978-032F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-033A	B12@1.5	6/11/2019 9:15:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-033B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-033C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-033D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035978-033E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035978-033F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-034B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-034C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-034D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035978-034E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035978-034F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035978-035A	B13@0.5	6/11/2019 9:58:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-036A	B13@1.5	6/11/2019 10:18:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-037A	B13@3.0	6/11/2019 10:22:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-038A	B14@0.5	6/11/2019 10:50:00 AM	6/18/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/18/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-039A	B14@1.5	6/11/2019 10:55:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-040A	B14@3.0	6/11/2019 11:00:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035978-041A	FOLDER	6/18/2019	6/18/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/18/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

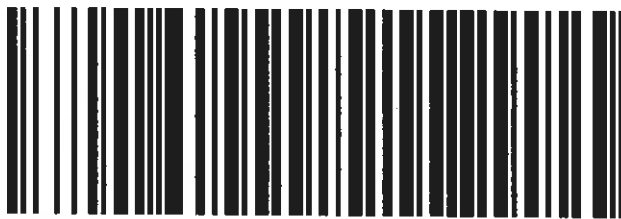
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545122038**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4080676

LVS NV891-C51

Print Date: 6/11/2019 6:01 PM

Package 1 of 3

LABEL INSTRUCTIONS:*IF #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.



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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ELAP Cert 2921
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035992

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.



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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



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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



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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



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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		


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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		


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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		


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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		


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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		


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ANALYTICAL RESULTS

Print Date: 03-Jul-19

CLIENT:	Alisto Engineering Group	Client Sample ID:	B19@0.5'
Lab Order:	N035992	Collection Date:	6/11/2019 4:20:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	Matrix:	SOIL
Lab ID:	N035992-016		

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	6/20/2019 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		


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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		


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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		


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ANALYTICAL RESULTS

Print Date: 03-Jul-19

CLIENT:	Alisto Engineering Group	Client Sample ID:	B22@0.5'
Lab Order:	N035992	Collection Date:	6/11/2019 3:55:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	Matrix:	SOIL
Lab ID:	N035992-025		

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		


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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	55.5	24-109	%REC
Surr: Decachlorobiphenyl	42.6	23-115	%REC

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
Lead	190	1.2	mg/Kg

Qualifiers:	B	Analyte detected in 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: 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		


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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		


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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
DO	Surrogate Diluted Out					

Qualifiers:	B	Analyte detected in 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: 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		


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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			


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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			



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ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL, INDUSTRIAL, AND FOODS

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ELAP Cert 2676 | NV Cert NV00922
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"Serving Clients with Passion and Professionalism"

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			



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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			



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"Serving Clients with Passion and Professionalism"

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			



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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
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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:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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N035992

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:					
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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					
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:					
TURN AROUND TIME					ANALYSIS										
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
Sample ID.	Date	Time	#	Matrix											
B9e 0.5'	6/11/2019	1420	1	Soil	X	X									N035992-01
B9e 1.5'		1423	1												Hold -02
B9e 3.0'		1427	1												Hold -03
B10e 0.5'		1438	1		X	X				X					-04
B10e 1.5'		1442	1												Hold -05
B10e 3.0'		1445	1												Hold -06
B11e 0.5'		1250	1		X	X									-07
B11e 1.5'		1255	1												Hold -08
B11e 3.0'		1300	1												Hold -09
B15e 0.5'		1220	6		X	X		X							-10
Relinquished By: <i>[Signature]</i>					Date: 6/12/19 Time: 1110		Received By: <i>[Signature]</i> Karla Sevilla			Date: 6/12/19 Time: 1110		SPECIAL INSTRUCTIONS: 1. 7°C / 3.2°C on #2 650 #: 7834 / 7836			
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/12/19 Time: 1441		Received By: <i>[Signature]</i> MARIANNE SANTOS			Date: 6/12/19 Time: 1444					
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/12/19 Time: 1900		Received By: <i>[Signature]</i> Andres Rodriguez			Date: 6/13/19 Time: 8:55am					

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:																																							
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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																																							
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:																																							
TURN AROUND TIME					ANALYSIS																																												
RUSH <input type="checkbox"/>					24 Hrs <input type="checkbox"/>					48 Hrs <input type="checkbox"/>					72 Hrs <input type="checkbox"/>					Standard (5-7 days) <input checked="" type="checkbox"/>					Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD																								
					Arsenic - Total by EPA 6020					Lead - Total by EPA 6020B					CAM-17 Metals by EPA 6010B/17471A					TPH by EPA 8015M										PAHs by EPA 8270 SIM					OCPs by EPA 8081A					PCBs by EPA 8082					VOCs by EPA 8260B				
Sample ID.	Date	Time	#	Matrix																																													
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: <i>[Signature]</i>					Date: 6/12/19 Time: 1110					Received By: <i>[Signature]</i> Karla Sevilla					Date: 6/12/19 Time: 1110					SPECIAL INSTRUCTIONS: 1.7°C / 3.2°C rx # 2 650 # : 7834 / 7836																													
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/12/19 Time: 1414					Received By: <i>[Signature]</i> MARIANNE SANDS					Date: 6/12/19 Time: 1414																																		
Relinquished By: <i>[Signature]</i> MARIANNE SANDS					Date: 6/12/19 Time: 1700					Received By: <i>[Signature]</i> JOANNE RABINOWITZ					Date: 6/13/19 Time: 8:55a																																		

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:						
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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						
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:						
TURN AROUND TIME					ANALYSIS											
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M	PAHs by EPA 8270 SIM	OCs 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/DDO		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>												
Sample ID.	Date	Time	#	Matrix												
B20e 3.0'	6/11/2019	1507	1	Soil										Hold N035992-21		
B21e 0.5'		1528	1		X	X				X				-22		
B21e 1.5'		1530	1											Hold -23		
B21e 3.0'		1535	1											Hold -24		
B22e 0.5'		1535	1		X	X				X				-25		
B22e 1.5'		1600	1											Hold -26		
B22e 3.0'		1605	1											Hold -27		
B23e 1.0'		1650	1		X	X				X				-28		
B23e 2.0'		1653	1											Hold -29		
B23e 3.0'		1657	1											Hold -30		
Relinquished By: <i>[Signature]</i>					Date: 6/12/19		Time: 1110		Received By: <i>[Signature]</i> Karla Sevilla			Date: 6/12/19		Time: 1110		SPECIAL INSTRUCTIONS: 1. +00 / 3.20 in #2 GSO #: 7834 / 7836
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/12/19		Time: 1414		Received By: <i>[Signature]</i> MARIANNE SANTOS			Date: 6/12/19		Time: 1414		
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/12/19		Time: 1700		Received By: <i>[Signature]</i> Jeanne Rodriguez			Date: 6/13/19		Time: 8:55		

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Reinos</i>					Consultant: Alisto Engineering Group Address: 2737 North Main Street, Suite 200 Walnut Creek, CA 94597 Contact: Hamidou Barry: hbarry@allsto.com Al Sevilla: asevilla@allsto.com Phone: (925) 279-5000 Fax: (925) 279-5001					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Alt Bill Number:				

TURN AROUND TIME					ANALYSIS										Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M <i>G/D/MO</i>	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B	Lead - Soluble STLC/TCLP		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											

Sample ID.	Date	Time	#	Matrix											
QC-2	6/11/2019		1	Soil	X	X									N035992-31
B1800.5	6/12/19	0817	6	Soil	X	X		X							-32
B1801.5	6/12/19	0824	6	Soil	X	X		X							-33
B1803.0	6/12/19	0828	6	Soil	X	X		X							-34

Relinquished By: <i>[Signature]</i>		Date: 6/12/19 Time: 1110		Received By: <i>Ani Karla Sevilla</i>		Date: 6/12/19 Time: 1110		SPECIAL INSTRUCTIONS: 1.7°C / 3.2°C R2#2 GSD#: 7834/7836
Relinquished By: <i>Ani Karla Sevilla</i>		Date: 6/12/19 Time: 1414		Received By: <i>MARIANNE SANTOS</i>		Date: 6/12/19 Time: 1444		
Relinquished By: <i>MARIANNE SANTOS</i>		Date: 6/12/19 Time: 1700		Received By: <i>[Signature]</i>		Date: 6/13/19 Time: 8:53am		

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR

YR

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

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

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: 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-002A	B9@1.5'	6/11/2019 2:23:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-003A	B9@3.0'	6/11/2019 2:27:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-004A	B10@0.5'	6/11/2019 2:38:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-005A	B10@1.5'	6/11/2019 2:42:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-006A	B10@3.0'	6/11/2019 2:45:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-007A	B11@0.5'	6/11/2019 12:50:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-008A	B11@1.5'	6/11/2019 12:55:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-009A	B11@3.0'	6/11/2019 1:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-010A	B15@0.5'	6/11/2019 12:20:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-010B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-010C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-010D			6/19/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed

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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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N035992-010E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-010F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-011A	B15@1.5'	6/11/2019 12:25:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-011B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-011C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-011D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-011E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-011F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-012A	B15@3.0'	6/11/2019 12:30:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-012B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-012C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-012D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-012E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-012F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-013A	B16@0.5'	6/11/2019 11:15:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-013B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-013C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA

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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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N035992-013E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-013F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-014A	B16@1.5'	6/11/2019 11:30:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-014B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-014C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-014D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-014E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-014F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-015A	B16@3.0'	6/11/2019 11:42:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-015B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-015C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-015D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-015E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-015F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-016A	B19@0.5'	6/11/2019 4:20:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-017A	B19@1.5'	6/11/2019 4:24:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-019A	B20@0.5'	6/11/2019 3:00:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-020A	B20@1.5'	6/11/2019 3:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-021A	B20@3.0'	6/11/2019 3:07:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-022A	B21@0.5'	6/11/2019 3:28:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-023A	B21@1.5'	6/11/2019 3:30:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-024A	B21@3.0'	6/11/2019 3:35:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-025A	B22@0.5'	6/11/2019 3:55:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-026A	B22@1.5'	6/11/2019 4:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-027A	B22@3.0'	6/11/2019 4:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-028A	B23@1.0'	6/11/2019 4:50:00 PM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-029A	B23@2.0'	6/11/2019 4:53:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-030A	B23@3.0'	6/11/2019 4:57:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-031A	QC-2	6/11/2019	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-032A	B18@0.5	6/12/2019 8:17:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-032B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-032C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-032D			6/19/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N035992-032E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-032F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-033A	B18@1.5	6/12/2019 8:24:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-033B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-033C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-033D			6/19/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N035992-033E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-033F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-034A	B18@3.0	6/12/2019 8:28:00 AM	6/19/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/19/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N035992-034B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-034C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-034D			6/19/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N035992-034E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N035992-034F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035992-035A	FOLDER	6/19/2019	6/19/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/19/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



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Ship From

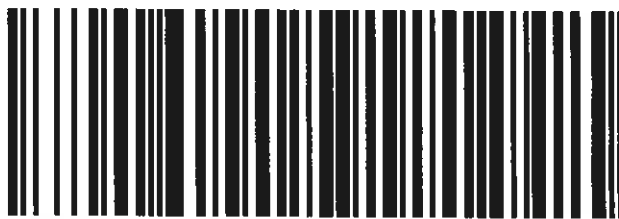
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545137834**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4148815

LVS NV891-C51

Print Date: 6/12/2019 5:04 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.

#2 1.7



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Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545137836**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4148817

LVS NV891-C51

Print Date: 6/12/2019 5:04 PM

Package 3 of 3

LABEL INSTRUCTIONS:*IF #2 3.2*

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.



ASSET LABORATORIES
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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036033

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 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:

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036033

CASE NARRATIVE

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.



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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



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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



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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
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
<div> <div>EPA 3546</div> <div>EPA 8270CSIM</div> </div>						
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	


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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
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		


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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
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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	


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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
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
<div> <div>EPA 3546</div> <div>EPA 8270CSIM</div> </div>						
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		


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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
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID: CA01638-MS10_190619A	QC Batch: CA19VS115	PrepDate: 6/19/2019	Analyst: AW
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Compound	Result	PQL	Qual	Units	DF	Date Analyzed
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	


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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
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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	


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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
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		



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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		


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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
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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		


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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
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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
Surr: Chlorobenzene - d5	122	47-163	%REC

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

Qualifiers:	B Analyte detected in 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: 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
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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
2-Methylnaphthalene	ND	5.0	µg/Kg
Acenaphthene	ND	50	µg/Kg
Acenaphthylene	ND	50	µg/Kg
Anthracene	ND	5.0	µg/Kg
Benzo(a)anthracene	ND	5.0	µg/Kg
Benzo(a)pyrene	ND	5.0	µg/Kg
Benzo(b)fluoranthene	ND	5.0	µg/Kg
Benzo(g,h,i)perylene	ND	5.0	µg/Kg
Benzo(k)fluoranthene	ND	5.0	µg/Kg
Chrysene	ND	5.0	µg/Kg
Dibenz(a,h)anthracene	ND	5.0	µg/Kg
Fluoranthene	ND	5.0	µg/Kg
Fluorene	ND	50	µg/Kg
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg
Naphthalene	ND	5.0	µg/Kg
Phenanthrene	ND	5.0	µg/Kg
Pyrene	ND	5.0	µg/Kg
Surr: 1,2-Dichlorobenzene-d4	73.0	26-102	%REC
Surr: 2-Fluorobiphenyl	80.0	27-106	%REC
Surr: 4-Terphenyl-d14	87.0	35-123	%REC
Surr: Nitrobenzene-d5	83.0	30-104	%REC

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
1,1,1-Trichloroethane	ND	3.6	µg/Kg
1,1,2,2-Tetrachloroethane	ND	3.6	µg/Kg
1,1,2-Trichloroethane	ND	3.6	µg/Kg
1,1-Dichloroethane	ND	3.6	µg/Kg
1,1-Dichloroethene	ND	3.6	µg/Kg
1,1-Dichloropropene	ND	3.6	µg/Kg
1,2,3-Trichlorobenzene	ND	3.6	µg/Kg
1,2,3-Trichloropropane	ND	3.6	µg/Kg
1,2,4-Trichlorobenzene	ND	3.6	µg/Kg
1,2,4-Trimethylbenzene	ND	3.6	µg/Kg

Qualifiers:	B Analyte detected in 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: 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		


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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
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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		


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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
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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
Surr: Chlorobenzene - d5	109	47-163	%REC

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

Qualifiers:	B Analyte detected in 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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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values

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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: ZZZZZ	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: ZZZZZ	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
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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



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ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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

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-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

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



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ORELAP/NELAP Cert 4046

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

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
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

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-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

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



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ORELAP/NELAP Cert 4046

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: ZZZZZ	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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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: ZZZZZ	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

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

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:					
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Santos</i>					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					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					
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:					
TURN AROUND TIME					ANALYSIS										
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M <i>SLD/MO</i>	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	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											
Sample ID.	Date	Time	#	Matrix											
B2@1.0	6/12/19	1128	6	Soil			X	X	X			X		N036033-01	
B2@1.5		1145					X	X	X			X		-02	
B2@1.0		1206												ON HOLD -03	
B2@1.5		1205												ON HOLD -04	
B3@1.0		0928					X	X	X		X	X		-05	
B3@1.5		0950					X	X	X		X	X		-06	
B3@1.0		1005												ON HOLD -07	
B3@1.5		1020												ON HOLD -08	
Relinquished By: <i>[Signature]</i>					Date: 6/13/19		Time: 1145		Received By: <i>[Signature]</i> Karla Sevilla		Date: 6/13/19		Time: 1145		SPECIAL INSTRUCTIONS: 1.9°C sm #2 650 # : 4887
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/13/19		Time: 1700		Received By: <i>[Signature]</i> MARIANNE SANTOS		Date: 6/13/19		Time: 1700		
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/14/19		Time: 1730		Received By: <i>[Signature]</i> Rdquenz		Date: 6/14/19		Time: 8:15 am		

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR *YR* 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036033-001C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-001D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-001E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-001F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-001G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-002A	B2@5	6/12/2019 11:45:00 AM	6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-002B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036033-002C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-002D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-002E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-002F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-002G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-003A	B2@10	6/12/2019 12:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-003B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-003C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-003D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-003E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-003F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-004A	B2@15	6/12/2019 12:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-004B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-004C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-004D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-004F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-005A	B3@1.0	6/12/2019 9:28:00 AM	6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-005B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036033-005C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-005D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-005E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-005F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-005G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-006A	B3@5	6/12/2019 9:50:00 AM	6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-006B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036033-006C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-006D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-006E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-006F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-006G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-007A	B3@10	6/12/2019 10:05:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-007B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-007C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-007D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-007F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-008A	B3@15	6/12/2019 10:20:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036033-008B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-008C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-008D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-008E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036033-008F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036033-009A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

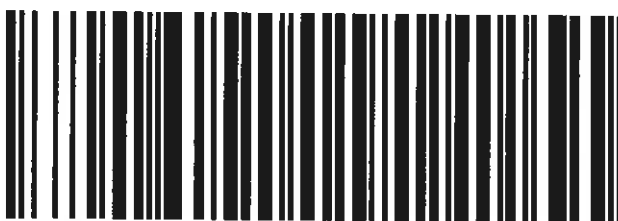
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545154881**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4216139

LVS NV891-C51

Print Date: 6/13/2019 6:06 PM

Package 2 of 3

LABEL INSTRUCTIONS:*Il# 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.



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SUBCONTRACT TO: AETL

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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
www.assetlaboratories.com

Page 1 of 1

Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Address: 11110 Artesia Blvd Ste B		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone: 562.219.7435 Fax: 562.219.7436		Email: reports@assetlaboratories.com		Cerritos, CA 90703		LabSpec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted By: Marianne Santos		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Cerritos, CA 90703		Phone: 562.219.7435		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: _____ Date: _____		Phone: 562.219.7435 Fax: 562.219.7436		PO# N36033A		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
Sampled by: Signed _____		Matrix		Analyses Requested		Specify State:		6. Method of Cooling		Sample Temp:	
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.		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>		Can 17 (except Mercury)							
Signature: _____		Potable <input type="checkbox"/> Soil <input checked="" type="checkbox"/>									
		NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>									
		Surface <input type="checkbox"/>									
Project Name: PEA-E: Abraham Lincoln High School											
Project Number: 12-020-07											

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1		B2 @ 1.0	6/12/19	1128		X		X			EIC	
2		B2 @ 5		1145								
3		B3 @ 1.0		0928								
4		B3 @ 5	V	0950								
5												
6												
7												
8												
9												
10												
11												
12												

Influent by (Signature and Printed Name): <u>Karla Senilla</u> Date / Time: <u>6/14/19 1714</u>		Received by (Signature and Printed Name): <u>A. J.</u> Date / Time: <u>6/14/19 1412</u>		Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if sample received after 3:00 PM.		Special Instruction:	
Influent by (Signature and Printed Name): _____ Date / Time: _____		Received by (Signature and Printed Name): _____ Date / Time: _____					
Influent by (Signature and Printed Name): _____ Date / Time: _____		Received by (Signature and Printed Name): _____ Date / Time: _____					
<p>IMS</p> <p>All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.</p> <p>Regular TAT is 5-7 business days, surcharges will apply for rush analysis</p> <p>Less than 24 Hrs = 200% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%</p> <p>Custom EDD formats will be an additional 3% of the total project price.</p> <p>Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharges applied on total analysis price.</p>				<p>5. Trip Blanks and Equipment Blanks are billable samples.</p> <p>6. ASSET Laboratories is not responsible for services collected using incorrect methodology.</p> <p>7. Terms are net 30 Days.</p> <p>8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.</p> <p>9. For subcontract analysis, TAT and Surcharges will vary.</p>			
<p>White = Laboratory Copy</p>				<p>Yellow = Customer's Copy</p>			
Preservatives:		Container Type:					
H = HCl	N = HNO ₃	S = H ₂ SO ₄	C = 4°C	T = Tube	V = VOA	P = Pint	
Z = Zn(AC) ₂	O = NaOH	T = Na ₂ SiO ₃		J = Jar	B = Tedlar	G = Glass	
Other/Specify:				M = Metal	P = Plastic	C = Can	



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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
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: _____

Cyrus Razmara, Ph.D.
Laboratory Director



SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

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COOLER RECEIPT FORM

Client Name: <u>AsetLab</u>			
Project Name:			
AETL Job Number: <u>98585</u>			
Date Received: <u>06/14/19</u>		Received by: <u>Ant</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>/</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3°</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice , <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>✓</u>		
2. Are the Sample labels legible?	<u>✓</u>		
3. Do samples match the COC?	<u>✓</u>		
4. Are the required analyses clear?	<u>✓</u>		
5. Is there enough samples for required analysis?	<u>✓</u>		
6. Are samples sealed with evidence tape?	<u>✓</u>	<u>✓</u>	
7. Are sample containers in good condition?	<u>✓</u>		
8. Are samples preserved?	<u>✓</u>		
9. Are samples preserved properly for the intended analysis?	<u>✓</u>		
10. Are the VOAs free of headspace?	<u>✓</u>		
11. Are the jars free of headspace?	<u>✓</u>		

Explain all "No" answers for above questions:



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Page: 1 A

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Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/27/2019

Telephone: (702) 307-2659
Attention: Marianne Santos

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: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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Cerritos, CA 90703

Site

PEA-E-Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

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Suite B
Cerritos, CA 90703

Site

PEA-E-Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Page: 4

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-

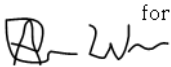
Attention: Hamidou Barry/Al Sevilla

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036034

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 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.



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036034

CASE NARRATIVE

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.



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ASSET Laboratories

Date: 08-Jul-19

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



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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
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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
2-Methylnaphthalene	ND	5.0	µg/Kg
Acenaphthene	ND	5.0	µg/Kg
Acenaphthylene	ND	5.0	µg/Kg
Anthracene	ND	5.0	µg/Kg
Benzo(a)anthracene	ND	5.0	µg/Kg
Benzo(a)pyrene	ND	5.0	µg/Kg
Benzo(b)fluoranthene	ND	5.0	µg/Kg
Benzo(g,h,i)perylene	ND	5.0	µg/Kg
Benzo(k)fluoranthene	ND	5.0	µg/Kg
Chrysene	ND	5.0	µg/Kg
Dibenz(a,h)anthracene	ND	5.0	µg/Kg
Fluoranthene	ND	5.0	µg/Kg
Fluorene	ND	5.0	µg/Kg
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg
Naphthalene	ND	5.0	µg/Kg
Phenanthrene	ND	5.0	µg/Kg
Pyrene	ND	5.0	µg/Kg
Surr: 1,2-Dichlorobenzene-d4	73.0	26-102	%REC
Surr: 2-Fluorobiphenyl	104	27-106	%REC
Surr: 4-Terphenyl-d14	83.0	35-123	%REC
Surr: Nitrobenzene-d5	82.0	30-104	%REC

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
1,1,1-Trichloroethane	ND	4.4	µg/Kg
1,1,2,2-Tetrachloroethane	ND	4.4	µg/Kg
1,1,2-Trichloroethane	ND	4.4	µg/Kg
1,1-Dichloroethane	ND	4.4	µg/Kg
1,1-Dichloroethene	ND	4.4	µg/Kg
1,1-Dichloropropene	ND	4.4	µg/Kg
1,2,3-Trichlorobenzene	ND	4.4	µg/Kg
1,2,3-Trichloropropane	ND	4.4	µg/Kg
1,2,4-Trichlorobenzene	ND	4.4	µg/Kg
1,2,4-Trimethylbenzene	ND	4.4	µg/Kg

Qualifiers:	B Analyte detected in 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: 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		


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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
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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	


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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
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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
4,4'-DDE	12	2.0	µg/Kg
4,4'-DDT	11	2.0	µg/Kg
Chlordane	140	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	108	24-109	%REC
Surr: Decachlorobiphenyl	41.4	23-115	%REC

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
Lead	210	1.2	mg/Kg

Qualifiers:	B Analyte detected in 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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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		


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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

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: ZZZZZ	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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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



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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

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: 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

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



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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

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: 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

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: 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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out

E Value above quantitation range
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:						
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Rambo</i>					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					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						
Sampler's Signature: <i>[Signature]</i>					Bill To: Allsto Engineering Group					Shipment Method: Air Bill Number:						
TURN AROUND TIME					ANALYSIS											
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/D/M	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B			Lead - Soluble STLC/TCCLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>												
Sample ID.	Date	Time	#	Matrix												
B1Q1.0	6/12/19	1435	6	Soil			X	X	X			X				N036034-01
B24Q0.5		1646	1		X	X				X						-02
B24Q1.5		1648	1													ON HOLD -03
B24Q3.0		1650	1													ON HOLD -04
B25Q0.5		1654	1		X	X				X						-05
B25Q1.5		1656	1													ON HOLD -06
B25Q3.0		1658	1													ON HOLD -07
Relinquished By: <i>[Signature]</i>					Date: 6/13/19 Time: 1145		Received By: <i>[Signature]</i> Karla Sevilla		Date: 6/13/19 Time: 1145		SPECIAL INSTRUCTIONS: 1.9% <i>in #2</i> GSO #: 4881					
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 6/13/19 Time: 1700		Received By: <i>[Signature]</i> MARIANNE SANTOS		Date: 6/13/19 Time: 1700							
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/13/19 Time: 1730		Received By: <i>[Signature]</i>		Date: 6/14/19 Time: 8:15am							

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			EPA 7471A TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			EPA 8015B DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			EPA 8270CSIM SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			EPA 3550B SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036034-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036034-001C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036034-001D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036034-001E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036034-001F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036034-001G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036034-002A	B24@0.5	6/12/2019 4:46:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036034-003A	B24@1.5	6/12/2019 4:48:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036034-005A	B25@0.5	6/12/2019 4:54:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036034-006A	B25@1.5	6/12/2019 4:56:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036034-007A	B25@3.0	6/12/2019 4:58:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036034-008A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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: 702.307.2691

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		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Cerritos, CA 90703		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Phone: 562.219.7435 Fax: 562.219.7436		Email: reports@assetlaboratories.com				LabSpec <input type="checkbox"/>		CellTrans <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Subscribed by: Marianne Santos		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Title:		Cerritos, CA 90703		Phone: 562.219.7435		PO# N36034A		LEVEL IV <input type="checkbox"/>		5. IR number <input type="checkbox"/>	
Signature:		Phone: 562.219.7435 Fax: 562.219.7436		Fax: 562.219.7436		Specify:		Regulatory <input type="checkbox"/>		6. Method of Cooling <input type="checkbox"/>	
Date:		Sampled by: Signed		Matrix		Analyses Requested		Specify State:		Sample Temp:	
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.		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>							
Project Name: PEA-E: Abraham Lincoln High School		Signature:		Potable <input type="checkbox"/> Soil <input type="checkbox"/>							
Project Number: 12+020-07				NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>							
				Surface <input type="checkbox"/>							
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others				
1		B1 @ 1.0	6/12/19	1435		X		X			
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Satisfied by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Turn Around Time (TAT)		Special Instruction:	
Karla Scilla		6/14/19 1417		AETL		6/14/19 1417		<input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.			
Satisfied by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time					
Satisfied by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time					

11718-1
All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.
Residue TAT: 5-7 business days, surcharges will apply for rush analysis.
Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%
Rush analysis is an additional 25% of the total project price.
Surcharges for rush analysis are not included in 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.

White = Laboratory Copy

Preservatives:

H = HCl

N = HNO₃

S = H₂SO₄

G = 4°C

Z = Zn(AC)₂

O = NaOH

T = Na₂S₂O₅

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



800-322-5555
www.gso.com

Ship From

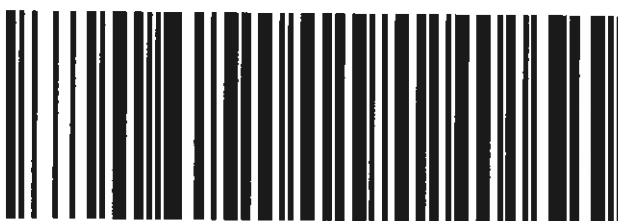
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545154881**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4216139

LVS NV891-C51

Print Date: 6/13/2019 6:06 PM

Package 2 of 3

LABEL INSTRUCTIONS:*Il# 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: _____

Cyrus Razmara, Ph.D.
Laboratory Director



ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

AETL

CHAIN OF CUSTODY RECORD

Contact us:

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
www.assetlaboratories.com

www.assetlaboratories.com

Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		www.assetlaboratories.com	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B			
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Address: Cerritos, CA 90703			
Phone: 562.219.7435		Fax: 562.219.7436		Email to: elvira@assetlaboratories.com			
Submitted By: Marianne Santos		Address: 11110 Artesia Blvd Ste B		Phone: 562.219.7435		PO# N36034A	
Title:		Cerritos, CA 90703		Fax: 562.219.7436			
Signature:		Date:		Sampled by: Signed		Date: 6/12/19 1435	
I hereby authorize ASSET Labs to perform the tests indicated below:		Signature:		Date / Time		Date / Time	
Project Name: PEA-E; Abraham Lincoln High School		Sample ID/Location: B1 @ 1.0		Date / Time		Date / Time	
Project Number: 12-020-07		Laboratory Work Order No. 98584-01		Date / Time		Date / Time	
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Ground	Subsident	Others
1	98584-01	B1 @ 1.0	6/12/19	1435			X
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Received by (Signature and Printed Name):		Date / Time: 6/14/19 1417	
Received by (Signature and Printed Name):		Date / Time:	
Received by (Signature and Printed Name):		Date / Time:	

Special Instruction:	
Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	

Preservatives: H = HCl N = HNO3 S = H2SO4 Z = Zn(Ac)2 O = NaOH T = Na2SO3 Others/Specify:		Container Type: V = VOA P = Pmt J = Jar B = Teller G = Glass M = Metal P = Plastic C = Can	
--	--	--	--



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: <u>Assetlab</u>			
Project Name:			
AETL Job Number: <u>98584</u>			
Date Received: <u>06/14/19</u>		Received by: <u>Ant-</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (/) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3°C</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Yes</u>		
2. Are the Sample labels legible?	<u>Yes</u>		
3. Do samples match the COC?	<u>Yes</u>		
4. Are the required analyses clear?	<u>Yes</u>		
5. Is there enough samples for required analysis?	<u>Yes</u>		
6. Are samples sealed with evidence tape?	<u>Yes</u>		
7. Are sample containers in good condition?	<u>Yes</u>		
8. Are samples preserved?	<u>Yes</u>		
9. Are samples preserved properly for the intended analysis?	<u>Yes</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>Yes</u>		

Explain all "No" answers for above questions:



American Environmental Testing Laboratory Inc.

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Page: 1 A

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite b
Cerritos, CA 90703

Project ID: 12-020-07
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

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: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite b
Cerritos, CA 90703

Site

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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			



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QUALITY CONTROL RESULTS

Ordered By

Site

ASSET Laboratories
11110 Artesia Blvd.
Suite b
Cerritos, CA 90703

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Page: 4

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-

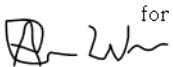
Attention: Hamidou Barry/Al Sevilla

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.



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ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036035

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 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 Duuplicate (LCSD) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036035

CASE NARRATIVE

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.



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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



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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
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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
2-Methylnaphthalene	ND	5.0	µg/Kg
Acenaphthene	ND	5.0	µg/Kg
Acenaphthylene	ND	5.0	µg/Kg
Anthracene	ND	5.0	µg/Kg
Benzo(a)anthracene	11	5.0	µg/Kg
Benzo(a)pyrene	11	5.0	µg/Kg
Benzo(b)fluoranthene	16	5.0	µg/Kg
Benzo(g,h,i)perylene	ND	5.0	µg/Kg
Benzo(k)fluoranthene	5.0	5.0	µg/Kg
Chrysene	16	5.0	µg/Kg
Dibenz(a,h)anthracene	ND	5.0	µg/Kg
Fluoranthene	21	5.0	µg/Kg
Fluorene	ND	5.0	µg/Kg
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg
Naphthalene	ND	5.0	µg/Kg
Phenanthrene	9.5	5.0	µg/Kg
Pyrene	28	5.0	µg/Kg
Surr: 1,2-Dichlorobenzene-d4	71.0	26-102	%REC
Surr: 2-Fluorobiphenyl	101	27-106	%REC
Surr: 4-Terphenyl-d14	90.0	35-123	%REC
Surr: Nitrobenzene-d5	80.0	30-104	%REC

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
ORO	41	9.9	mg/Kg
Surr: p-Terphenyl	97.2	56-133	%REC

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

Qualifiers:	B Analyte detected in 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: 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	


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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
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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		


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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	


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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
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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		


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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		


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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
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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
Dibromochloromethane	ND	0.50	µg/L
Dibromomethane	ND	0.50	µg/L
Dichlorodifluoromethane	ND	0.50	µg/L
Ethylbenzene	ND	0.50	µg/L
Freon-113	ND	0.50	µg/L
Hexachlorobutadiene	ND	0.50	µg/L
Isopropylbenzene	ND	0.50	µg/L
m,p-Xylene	ND	1.0	µg/L
Methylene chloride	ND	2.0	µg/L
MTBE	ND	0.50	µg/L
n-Butylbenzene	ND	0.50	µg/L
n-Propylbenzene	ND	0.50	µg/L
Naphthalene	ND	0.50	µg/L
o-Xylene	ND	0.50	µg/L
sec-Butylbenzene	ND	0.50	µg/L
Styrene	ND	0.50	µg/L
tert-Butylbenzene	ND	0.50	µg/L
Tetrachloroethene	ND	0.50	µg/L
Toluene	0.70	0.50	µg/L
trans-1,2-Dichloroethene	ND	0.50	µg/L
Trichloroethene	ND	0.50	µg/L
Trichlorofluoromethane	ND	0.50	µg/L
Vinyl chloride	ND	0.50	µg/L
Surr: 1,2-Dichloroethane-d4	112	75-130	%REC
Surr: 4-Bromofluorobenzene	95.3	80-120	%REC
Surr: Dibromofluoromethane	113	80-128	%REC
Surr: Toluene-d8	109	80-120	%REC

Qualifiers:	B Analyte detected in 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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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			

**ASSET LABORATORIES**

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

"Serving Clients with Passion and Professionalism"

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NEVADA | P: 702.307.2659 F: 702.307.2691
 3151 W. Post Rd., Las Vegas, NV 89118
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 ORELAP/NELAP Cert 4046

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: ZZZZZ	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
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

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

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: 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

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



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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

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: 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: 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

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: 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

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



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ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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

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



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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ORELAP/NELAP Cert 4046

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



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ORELAP/NELAP Cert 4046

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

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



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ORELAP/NELAP Cert 4046

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

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-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: 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

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



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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



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ORELAP/NELAP Cert 4046

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY														
Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					Laboratory: Asset Laboratories Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703 Contact: Marianne Santos marianne@assetlaboratories.com Phone: (562) 219-7435 Cell: (562) 219-7436 Fax: (562) 219-7436				
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Ramos</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				
Sampler's Signature: <i>[Signature]</i>					ANALYSIS					Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD				
TURN AROUND TIME RUSH 24 Hrs 48 Hrs 72 Hrs Standard (5-7 days) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>					Arsenic - Total by EPA 6020 Lead - Total by EPA 6020B Cadmium 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									
Sample ID.	Date	Time	#	Matrix										
QC-3	6/12/19		1	Soil			X		X					N036035-01
QC-6	1		5	1				X				X		-02
QC-7	1		5	1				X				X		-03
Relinquished By: <i>[Signature]</i>	Date: 6/13/19	Time: 1145	Received By: <i>[Signature]</i> Karla Sevilla		Date: 6/13/19	Time: 1145	SPECIAL INSTRUCTIONS:							
Relinquished By: <i>[Signature]</i> Karla Sevilla	Date: 6/13/19	Time: 1700	Received By: <i>[Signature]</i> MARIANNE SANTOS		Date: 6/13/19	Time: 1700	1.9% m# 2							
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS	Date: 6/13/19	Time: 1700	Received By: <i>[Signature]</i> MARIANNE SANTOS		Date: 6/14/19	Time: 8:15	650# : 4861							

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Was Client notified? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |

Comments: See Correspondence.

Checklist Completed By: YR *YRT* 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

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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

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

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036035-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036035-002A	QC-6		6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036035-002B			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-002C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-002D			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036035-002E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036035-002F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-003A	QC-7		6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-003C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-003D			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036035-003E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036035-003F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-004A	TB20190611			Water			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036035-005A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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Contact us:
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
www.assetlaboratories.com

Page **1** of **1**

Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y <input type="checkbox"/> N <input type="checkbox"/>	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com reports@assetlaboratories.com		Cerritos, CA 90703		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone: 562.219.7435 Fax: 562.219.7436		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com PO# N36035A		Lebspec <input type="checkbox"/>		CellTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted By: Marianne Santos		Cerritos, CA 90703		Phone: 562.219.7435 Fax: 562.219.7436		Others <input type="checkbox"/>		LEVEL IV <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Phone: 562.219.7435 Fax: 562.219.7436		Matrix		Specify:		Regulatory <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: _____ Date: _____		Sampled by: Signed		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>		Global ID:		Specify State:		5. IR number	
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.		Potable <input type="checkbox"/> Soil <input checked="" type="checkbox"/>						6. Method of Cooling	
Project Name: PEA-E: Abraham Lincoln High School		Signature: _____		NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>						Sample Temp:	
Project Number: 12-020-07				Surface <input type="checkbox"/>						Tracking No.	
										Remarks	

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Turn Around Time (TAT)	Special Instruction:
1		QC - 3	6/12/19		X			X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Relinquished by (Signature and Printed Name): Am Karla Sevilla Date / Time: 6/14/19 1417	Received by (Signature and Printed Name): Ant Date / Time: 6/14/19 1417	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.
Relinquished by (Signature and Printed Name):	Received by (Signature and Printed Name):	
Relinquished by (Signature and Printed Name):	Received by (Signature and Printed Name):	

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. 3. Custom EDD formats will be an additional 3% of the total project price. 4. Add 30% to 40% to total project price for data packages. 15% for each 10 data packages. Surcharges applied on total project price.				5. Trip Blanks and Equipment Blanks are billable samples. 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology. 7. Turnaround is not 90 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 = Na2S2O5				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.

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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
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: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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Page 1 of 1

Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		RTNE		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Address: Cerritos, CA 90703		RWOCB		1. Chilled	
Phone: 562.219.7435		Phone: 562.219.7436		Phone: 562.219.7436		CalTrans		2. Headspace	
Submitted By: Marianne Santos		Address: 11110 Artesia Blvd Ste B		Address: Cerritos, CA 90703		Level III		3. Container Intact	
Date:		Phone: 562.219.7435		Phone: 562.219.7436		LEVEL IV		4. Seal Present	
Signature:		Signature: Signed		Signature:		Regulatory		5. IR number	
Project Name: PEA-E: Abraham Lincoln High School		Signature:		Signature:		Specify State:		6. Method of Cooling	
Project Number: 12-020-07		Signature:		Signature:		Global ID:		Sample Temp:	
Laboratory Work Order No.		Sample ID/Location		Date		Time		Counter:	
1		QC-3		6/12/19		Time		Tracking No.	
2								Remarks	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Special Instruction:	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Turn Around Time (TAT)	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		A < 24 Hrs or Same Day TAT	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		B = Next Workday	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		C = 2 Workdays	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		D = 3 Workdays	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		E = Routine 5-7 Workdays	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		TAT Starts at 8 AM the following day if samples received after 3:00 PM.	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Preservatives:	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		H = HCl N = HNO3 S = H2SO4 C = 4°C	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Z = Zn(Ac) O = NaOH T = Na2S2O3	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Other/Specify:	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Container Type:	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		V = VOA P = Pint	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		T = Tube B = Jar	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		J = Jar G = Glass	
Requisitioned by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		M = Metal P = Plastic C = Can	

Yellow = Customer's Copy

White = Laboratory 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: <u>Asetlab</u>			
Project Name:			
AETL Job Number: <u>98587</u>			
Date Received: <u>06/14/19</u>		Received by: <u>Act</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (/) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>33</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Yes</u>		
2. Are the Sample labels legible?	<u>Yes</u>		
3. Do samples match the COC?	<u>Yes</u>		
4. Are the required analyses clear?	<u>Yes</u>		
5. Is there enough samples for required analysis?	<u>Yes</u>		
6. Are samples sealed with evidence tape?		<u>Yes</u>	
7. Are sample containers in good condition?	<u>Yes</u>		
8. Are samples preserved?	<u>Yes</u>		
9. Are samples preserved properly for the intended analysis?	<u>Yes</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>Yes</u>		

Explain all "No" answers for above questions:



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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Page: 1 A

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Telephone: (702) 307-2659
Attention: Marianne Santos

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: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By**Site**

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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
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Suite B
Cerritos, CA 90703

Site

PEA-E: Abraham Lincol HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Page: 4

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-

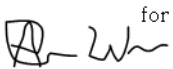
Attention: Hamidou Barry/Al Sevilla

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036036

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.



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036036

CASE NARRATIVE

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.



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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

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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



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ORELAP/NELAP Cert 4046

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



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ORELAP/NELAP Cert 4046

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



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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
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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
2-Methylnaphthalene	ND	5.0	µg/Kg
Acenaphthene	ND	5.0	µg/Kg
Acenaphthylene	7.0	5.0	µg/Kg
Anthracene	8.5	5.0	µg/Kg
Benzo(a)anthracene	12	5.0	µg/Kg
Benzo(a)pyrene	14	5.0	µg/Kg
Benzo(b)fluoranthene	20	5.0	µg/Kg
Benzo(g,h,i)perylene	ND	5.0	µg/Kg
Benzo(k)fluoranthene	6.0	5.0	µg/Kg
Chrysene	24	5.0	µg/Kg
Dibenz(a,h)anthracene	ND	5.0	µg/Kg
Fluoranthene	19	5.0	µg/Kg
Fluorene	ND	5.0	µg/Kg
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg
Naphthalene	ND	5.0	µg/Kg
Phenanthrene	7.0	5.0	µg/Kg
Pyrene	30	5.0	µg/Kg
Surr: 1,2-Dichlorobenzene-d4	68.0	26-102	%REC
Surr: 2-Fluorobiphenyl	97.0	27-106	%REC
Surr: 4-Terphenyl-d14	83.0	35-123	%REC
Surr: Nitrobenzene-d5	77.0	30-104	%REC

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
1,1,1-Trichloroethane	ND	3.9	µg/Kg
1,1,2,2-Tetrachloroethane	ND	3.9	µg/Kg
1,1,2-Trichloroethane	ND	3.9	µg/Kg
1,1-Dichloroethane	ND	3.9	µg/Kg
1,1-Dichloroethene	ND	3.9	µg/Kg
1,1-Dichloropropene	ND	3.9	µg/Kg
1,2,3-Trichlorobenzene	ND	3.9	µg/Kg
1,2,3-Trichloropropane	ND	3.9	µg/Kg
1,2,4-Trichlorobenzene	ND	3.9	µg/Kg
1,2,4-Trimethylbenzene	ND	3.9	µg/Kg

Qualifiers:	B Analyte detected in 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: 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	
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		


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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
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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	


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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
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
<div> <div>EPA 3546</div> <div>EPA 8270CSIM</div> </div>						
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		



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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
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		


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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
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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	


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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 09-Jul-19

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						
<div> <div>EPA 3546</div> <div>EPA 8270CSIM</div> </div>						
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	


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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 09-Jul-19

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		


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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 09-Jul-19

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
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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	


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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
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM						
<div> <div>EPA 3546</div> <div>EPA 8270CSIM</div> </div>						
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	


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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	
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		


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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
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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	


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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		


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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
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		


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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
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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		


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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						
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
EPA 6020						

Qualifiers:	B	Analyte detected in 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: 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	
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		


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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
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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		


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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						
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
EPA 6020						

Qualifiers:	B	Analyte detected in 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: 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
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	


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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
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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		


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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
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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
Aroclor 1221	ND	33	µg/Kg
Aroclor 1232	ND	16	µg/Kg
Aroclor 1242	ND	16	µg/Kg
Aroclor 1248	ND	16	µg/Kg
Aroclor 1254	ND	16	µg/Kg
Aroclor 1260	ND	16	µg/Kg
Surr: Decachlorobiphenyl	70.4	25-120	%REC
Surr: Tetrachloro-m-xylene	77.6	21-118	%REC

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
Surr: Chlorobenzene - d5	143	47-163	%REC

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
Lead	20	0.25	mg/Kg

Qualifiers:	B Analyte detected in 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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"Serving Clients with Passion and Professionalism"

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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									
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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				
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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				
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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	
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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



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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: ZZZZZ	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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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



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ORELAP/NELAP Cert 4046

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

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: 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

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



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"Serving Clients with Passion and Professionalism"

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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

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: 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

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: 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

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: 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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out

E Value above quantitation range
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



ASSET LABORATORIES

"Serving Clients with Passion and Professionalism"

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 ORELAP/NELAP Cert 4046

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

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



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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ORELAP/NELAP Cert 4046

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

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: 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

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: 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

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: 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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out

E Value above quantitation range
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



ASSET LABORATORIES

"Serving Clients with Passion and Professionalism"

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 ORELAP/NELAP Cert 4046

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

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



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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

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: 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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:		Samples Submitted To:							
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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		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							
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group		Shipment Method: Air Bill Number:							
TURN AROUND TIME					ANALYSIS								Notes:	
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M G/P/MO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A	PCBs by EPA 8082	VOCs by EPA 8260B		Lead - Soluble STLCTCLP
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Sample ID.	Date	Time	#	Matrix										
B4Q1.0	6/12/19	1035	6	Soil			X	X	X			X		N036036-01
B4Q1.5		1048					X	X	X			X		-02
B4Q1.9		1105												ON HOLD -03
B5Q1.0		1335					X	X	X			X		-04
B5Q1.5		1340					X	X	X			X		-05
B5Q1.0		1406												ON HOLD -06
B5Q1.5		1405												ON HOLD -07
B17Q0.5		0850			X	X		X						-08
B17Q1.5		0854			X	X								ON HOLD -09
B17Q3.0		0858			X	X								ON HOLD -10
Relinquished By: <i>[Signature]</i>					Date: 6/13/19 Time: 1145		Received By: <i>[Signature]</i> Karla Senila		Date: 6/13/19 Time: 1145		SPECIAL INSTRUCTIONS: 1. 90c JAR # 2 GSO # : 4881			
Relinquished By: <i>[Signature]</i> Karla Senila					Date: 6/13/19 Time: 1700		Received By: <i>[Signature]</i> MARIANNE SANTOS		Date: 6/13/19 Time: 1700					
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/13/19 Time: 1700		Received By: <i>[Signature]</i> R. Reyes		Date: 6/14/19 Time: 8:15a					

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				
TURN AROUND TIME					ANALYSIS									
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M <i>G/P/MO</i>	PAHs by EPA 8270 SIM	OCs 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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Sample ID.	Date	Time	#	Matrix										
B6A0.5	6/12/18	1525	6	Soil	X	X		X		ID#		X		N036036-11
B6G1.5		1530												ON HOLD -12
B6G3.0		1535												ON HOLD -13
B7A0.5		1550			X	X		X		ID#		X		-14
B7A1.5		1555												ON HOLD -15
B7G3.0		1600												ON HOLD -16
B8A0.5		1615			X	X		X			X	X		-17
B8G1.5		1620												ON HOLD -18
B8G3.0		1625												ON HOLD -19
Relinquished By: <i>[Signature]</i>					Date: 6/13/19 Time: 1145		Received By: <i>Ani Karla Sevilla</i>		Date: 6/13/19 Time: 1145		SPECIAL INSTRUCTIONS: 1.9% <i>in #2</i> 650# <i>4881</i>			
Relinquished By: <i>Ani Karla Sevilla</i>					Date: 6/13/19 Time: 7700		Received By: <i>MARIANNE SANTOS</i>		Date: 6/13/19 Time: 1700					
Relinquished By: <i>MARIANNE SANTOS</i>					Date: 6/13/19 Time: 1730		Received By: <i>Alonso Reguiz</i>		Date: 6/14/19 Time: 8:15am					

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

YR

6/17/2019

Checklist Completed By: YR

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-001B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036036-001C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-001D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-001E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-001F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-001G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-002A	B4@5	6/12/2019 10:48:00 AM	6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-002B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036036-002C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-002D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-002E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-002F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-002G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-003A	B4@9	6/12/2019 11:05:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-003B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-003C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-003D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-003E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-003F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-004A	B5@1.0	6/12/2019 1:35:00 PM	6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-004B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/20/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036036-004C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-004D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-004E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-004F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-004G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-005A	B5@5	6/12/2019 1:48:00 PM	6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8270CSIM	SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-005B			6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036036-005C			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-005D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-005E			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-005F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-005G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-006A	B5@10	6/12/2019 2:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-006B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-006C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-006D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-006E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-006F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-007A	B5@15	6/12/2019 2:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-007B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-007C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-007D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-007E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-007F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-008A	B17@0.5	6/12/2019 8:50:00 AM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-008B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-008C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-008D			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-008E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-008F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-009A	B17@1.5	6/12/2019 8:54:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-009B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-009C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-009D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-009E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-009F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-010A	B17@3.0	6/12/2019 8:58:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-010B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-010C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-010D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-010E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-010F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-011B			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-011C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-011D			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-011E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-011F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-012A	B6@1.5	6/12/2019 3:30:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-012B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-012C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-012D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-012E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-012F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-013A	B6@3.0	6/12/2019 3:35:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-013B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-013C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-013D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-013F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-014A	B7@0.5	6/12/2019 3:50:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-014B			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-014C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-014D			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-014E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-014F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-015A	B7@1.5	6/12/2019 3:55:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-015B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-015C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-015D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-015E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-015F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-016A	B7@3.0	6/12/2019 4:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-016B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-016D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-016E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-016F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-017A	B8@0.5	6/12/2019 4:15:00 PM	6/20/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/20/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-017B			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/20/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-017C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-017D			6/20/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/20/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-017E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-017F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-018A	B8@1.5	6/12/2019 4:20:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-018B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-018C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-018D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-018F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-019A	B8@3.0	6/12/2019 4:25:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036036-019B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-019C							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-019D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-019E							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036036-019F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036036-020A	FOLDER	6/20/2019	6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/20/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:
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Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Address: Cerritos, CA 90703		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone: 562.219.7435 Fax: 562.219.7436		Email: reports@assetlaboratories.com		Cerritos, CA 90703		LabSpec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted By: Marianne Santos		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Cerritos, CA 90703		Phone: 562.219.7435		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature:		Phone: 562.219.7435 Fax: 562.219.7436		Fax: 562.219.7436		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
Date:		Sampled by: Signed		Matrix		Analyses Requested		Specify State:		6. Method of Cooling	
I hereby authorize ASSET Labs to perform the tests indicated below:		Signature:		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>		CM 17 (except mercury)		Tem Around Time		No. of container	
Project Name: PEA-E: Abraham Lincoln High School		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.		Potable <input type="checkbox"/> Soil <input type="checkbox"/>							
Project Number: 12-020-07				NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>							
				Surface <input type="checkbox"/>							
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others				
1		B4 @ 1.0	6/12/19	1035		X		X			
2		B4 @ 5		1048							
3		B5 @ 1.0		1335							
4		B5 @ 5		1340							
5											
6											
7											
8											
9											
10											
11											
12											

Analyzed by (Signature and Printed Name): Karla Sevilla 6/14/19 1417	Date / Time: 6/14/19 1417	Received by (Signature and Printed Name): [Signature] 06/14/19/14	Date / Time: 06/14/19/14	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if sample received after 3:00 PM.	Special instruction:
Analyzed by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:		
Analyzed by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:		

NOTE:
All samples will be destroyed 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. Surcharge will apply for rush analysis.
Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 25% 4 Workdays = 20%
Custom EDP formats will be an additional 3% of the total project price.
Add 5% surcharge for Landfill Data Packages. Add 10% surcharge for Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable samples.
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 Surcharge will vary.

Preservatives: H = HCl N = HNO ₃ S = H ₂ SO ₄ C = 4% Z = Zn(AC) ₂ O = NaOH T = Na ₂ SeO ₃	Container Type: T = Tube V = VOA P = Flint J = Jar B = Tedlar G = Glass M = Metal P = Plastic C = Can
---	--

White = Laboratory Copy

Yellow = Customer's Copy



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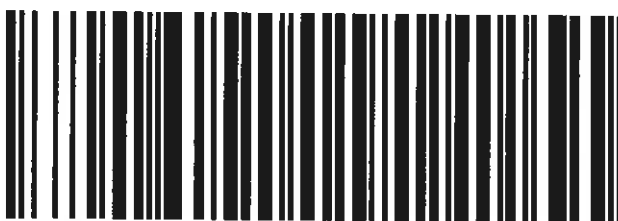
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545154881**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4216139

LVS NV891-C51

Print Date: 6/13/2019 6:06 PM

Package 2 of 3

LABEL INSTRUCTIONS:*Il# 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.



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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: _____

Cyrus Razmara, Ph.D.
Laboratory Director



ATL

CHAIN OF CUSTODY RECORD

Contact us:
Nevada: 3151 W. Post Road, Las Vegas, NV 89118
P: 702.307.2659 F: 702.307.6291
California: 11110 Artesia Blvd., Ste B, Cerritos, CA 90703
P: 562.219.7435 F: 562.219.7436
www.assetlaboratories.com

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COOLER RECEIPT FORM

Client Name: <u>Asset/lab</u>			
Project Name:			
AETL Job Number: <u>98586</u>			
Date Received: <u>06/14/19</u>		Received by: <u>Aut</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>/</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>33.0</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>I</u>		

Explain all "No" answers for above questions:



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Page: 1 A

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Cerritos, CA 90703

Project ID: 12-020-07
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

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: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Site

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Site

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Page: 4

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	



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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 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

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.



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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



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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		


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ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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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		


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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		


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"Serving Clients with Passion and Professionalism"

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			



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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			



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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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				

TURN AROUND TIME					ANALYSIS										Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium - 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/TCCLP		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											

Sample ID.	Date	Time	#	Matrix											
B63Q0.5	6/13/12	1615	1	Soil	X	X									N036055-01
B63Q1.5		1617	1												ON HOLD -02
B63Q3.0		1619	1												ON HOLD -03
B64Q0.5		1630	1		X	X									-04
B64Q1.5		1633	1												ON HOLD -05
B64Q3.0		1635	1												ON HOLD -06
B65Q0.5		1638	1		X	X				X					-07
B65Q1.5		1640	1												ON HOLD -08
B65Q3.0		1642	1												ON HOLD -09

Relinquished By: <i>[Signature]</i>		Date: 6/14/19 Time: 0920		Received By: <i>MARIANNE SANTOS</i>		Date: 6/14/19 Time: 900		SPECIAL INSTRUCTIONS:
Relinquished By: <i>MARIANNE SANTOS</i>		Date: 6/14/19 Time: 1700		Received By: <i>FERR MORA</i>		Date: 6/15/19 Time: 9:00		
Relinquished By:		Date: Time:		Received By:		Date: Time:		

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-002A	B63@1.5	6/13/2019 4:17:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-003A	B63@3.0	6/13/2019 4:19:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-004A	B64@0.5	6/13/2019 4:30:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-005A	B64@1.5	6/13/2019 4:33:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-006A	B64@3.0	6/13/2019 4:35:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-007A	B65@0.5	6/13/2019 4:38:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-008A	B65@1.5	6/13/2019 4:40:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-009A	B65@3.0	6/13/2019 4:42:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036055-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

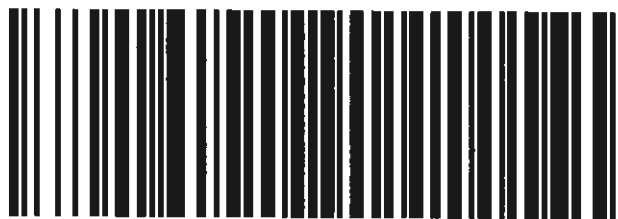
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c



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Ship From

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11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 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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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036057

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



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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	49.4	24-109	%REC
Surr: Decachlorobiphenyl	44.2	23-115	%REC

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
Lead	12	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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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
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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		


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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	77.1	24-109	%REC
Surr: Decachlorobiphenyl	48.2	23-115	%REC

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
Lead	5.9	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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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			



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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			



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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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				

TURN AROUND TIME					ANALYSIS										Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											

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	
B57Q0.5	6/13/12	1120	1	Soil	X	X				X				N036057-01
B57Q1.5		1123	1											ON HOLD -02
B57Q3.0		1126	1											ON HOLD -03
B58Q0.5		1049	1		X	X				X				-04
B58Q1.5		1052	1											ON HOLD -05
B58Q3.0		1057	1											ON HOLD -06
B59Q0.5		1510	1		X	X				X				-07
B59Q1.5		1514	1											ON HOLD -08
B59Q3.0		1518	1											ON HOLD -09

Relinquished By: <i>[Signature]</i>	Date: 6/14/12	Time: 0900	Received By: <i>MARIANNE SANTOS</i>	Date: 6/14/12	Time: 900	SPECIAL INSTRUCTIONS:
Relinquished By: <i>MARIANNE SANTOS</i>	Date: 6/14/12	Time: 1700	Received By: <i>FEN MEN</i>	Date: 6/15/12	Time: 09:00	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

IN#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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

Checklist Completed By:

FR

YRT

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-002A	B57@1.5	6/13/2019 11:23:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-003A	B57@3.0	6/13/2019 11:26:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-004A	B58@0.5	6/13/2019 10:49:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-005A	B58@1.5	6/13/2019 10:52:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-006A	B58@3.0	6/13/2019 10:57:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-007A	B59@0.5	6/13/2019 3:10:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-008A	B59@1.5	6/13/2019 3:14:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-009A	B59@3.0	6/13/2019 3:18:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036057-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



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Tracking #: 545167409**SDS****Ship To**

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MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

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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.

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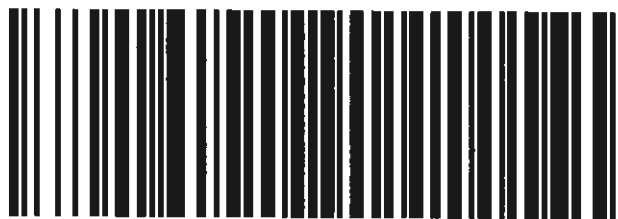
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Tracking #: 545167407**SDS****Ship To**

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3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036056

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
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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		


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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		


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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	51.7	24-109	%REC
Surr: Decachlorobiphenyl	46.0	23-115	%REC

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
Lead	68	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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"Serving Clients with Passion and Professionalism"

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

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



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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			



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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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				
TURN AROUND TIME					ANALYSIS									
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium 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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Sample ID.	Date	Time	#	Matrix										
B60A0.5	6/13/12	1105	1	Soil	X	X				X				N036056-01
B60A1.5		1109	1											ON HOLD -02
B60A3.0		1112	1											ON HOLD -03
B61A0.5		1628	1		X	X				X				-04
B61A1.5		1632	1											ON HOLD -05
B61A3.0		1634	1											ON HOLD -06
B62A0.5		1616	1		X	X				X				-07
B62A1.5		1619	1											ON HOLD -08
B62A3.0		1622	1											ON HOLD -09
Relinquished By: <i>[Signature]</i>					Date: 6/14/19	Time: 0900	Received By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/14/19	Time: 900	SPECIAL INSTRUCTIONS: 1st 2 4.3°C, 2.7°C 650 7407, 7409
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/14/19	Time: 1700	Received By: <i>[Signature]</i> PERM					Date: 6/15/19	Time: 9:00	
Relinquished By:					Date:	Time:	Received By:					Date:	Time:	

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: For: YRJ 6/18/2019
FR

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-002A	B60@1.5	6/13/2019 11:09:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-003A	B60@3.0	6/13/2019 11:12:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-004A	B61@0.5	6/13/2019 4:28:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-005A	B61@1.5	6/13/2019 4:32:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-006A	B61@3.0	6/13/2019 4:34:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-007A	B62@0.5	6/13/2019 4:16:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-008A	B62@1.5	6/13/2019 4:19:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-009A	B62@3.0	6/13/2019 4:22:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036056-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
www.gso.com

Ship From

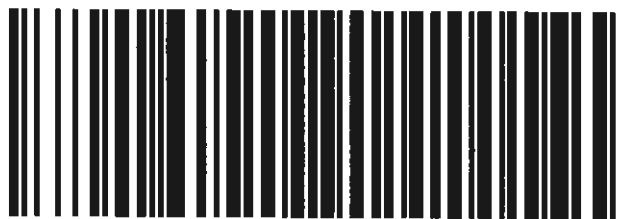
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036058

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: N036058
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



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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		


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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		


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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
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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		


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"Serving Clients with Passion and Professionalism"

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			


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 3151 W. Post Rd., Las Vegas, NV 89118
 ELAP Cert 2676 | NV Cert NV00922
 ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:					
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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					
Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:					
Sampler's Signature: <i>[Signature]</i>															
TURN AROUND TIME					ANALYSIS										
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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:	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD	
Sample ID.	Date	Time	#	Matrix											
BS4Q0.5	6/13/19	1030	1	Soil	X	X				X				N036058-01	
BS4Q1.5		1034	1											ON HOLD -02	
BS4Q3.0		1040	1											ON HOLD -03	
B55Q0.5		1050	1		X	X				X				-04	
B55Q1.5		1053	1											ON HOLD -05	
B55Q3.0		1055	1											ON HOLD -06	
BS6Q0.5		1030	1		X	X				X				-07	
BS6Q1.5		1034	1											ON HOLD -08	
BS6Q3.0		1043	1											ON HOLD -09	
Relinquished By: <i>[Signature]</i>					Date: 6/14/19		Time: 0900		Received By: <i>MARIANNE SANTOS</i>		Date: 6/14/19		Time: 900		SPECIAL INSTRUCTIONS:
Relinquished By: <i>MARIANNE SANTOS</i>					Date: 6/14/19		Time: 1700		Received By: <i>FEAR ME</i>		Date: 6/15/19		Time: 9:00		
Relinquished By:					Date:		Time:		Received By:		Date:		Time:		

1A #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: 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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: For: YJT 6/18/2019
FR

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-002A	B54@1.5	6/13/2019 10:34:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-003A	B54@3.0	6/13/2019 10:40:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-004A	B55@0.5	6/13/2019 10:50:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-005A	B55@1.5	6/13/2019 10:53:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-006A	B55@3.0	6/13/2019 10:55:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-007A	B56@0.5	6/13/2019 10:30:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-008A	B56@1.5	6/13/2019 10:34:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-009A	B56@3.0	6/13/2019 10:43:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036058-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
www.gso.com

Ship From

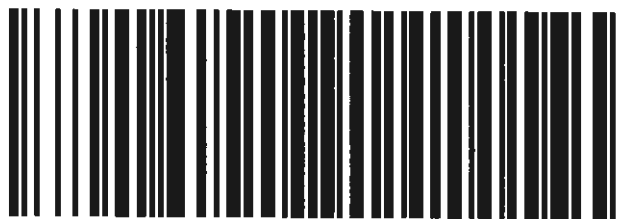
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

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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.

1/2 #2
4.30c

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036059

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



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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
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 EPA ID CA01638

NEVADA | P:702.307.2659 F:702.307.2691
 3151 W. Post Rd., Las Vegas, NV 89118
 ELAP Cert 2676 | NV Cert NV00922
 ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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		


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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.4	µg/Kg
Surr: Tetrachloro-m-xylene	54.7	24-109	%REC
Surr: Decachlorobiphenyl	51.2	23-115	%REC

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
Lead	36	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



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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
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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:						
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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						
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:						
TURN AROUND TIME					ANALYSIS											
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>												
Sample ID.	Date	Time	#	Matrix												
BS1Q0.5	6/13/19	1415	1	Soil	X	X				X						N036059-01
BS1Q1.5		1421	1													ON HOLD -02
BS1Q3.0		1428	1													ON HOLD -03
BS2Q0.5		1123	1		X	X				X						-04
BS2Q1.5		1127	1													ON HOLD -05
BS2Q3.0		1131	1													ON HOLD -06
BS3Q0.5		1104	1		X	X				X						-07
BS3Q1.5		1108	1													ON HOLD -08
BS3Q3.0		1110	1													ON HOLD -09
Relinquished By: <i>[Signature]</i>					Date: 6/14/19	Time: 0900	Received By: <i>MARIANNE SANTOS</i>					Date: 6/14/19	Time: 900	SPECIAL INSTRUCTIONS:		
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/14/19	Time: 1700	Received By: <i>FERN MIER</i>					Date: 6/15/19	Time: 9:00			
Relinquished By:					Date:	Time:	Received By:					Date:	Time:			

1R#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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

YRT

Checklist Completed By: FR 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-002A	B51@1.5	6/13/2019 2:21:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-003A	B51@3.0	6/13/2019 2:28:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-004A	B52@0.5	6/13/2019 11:23:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-005A	B52@1.5	6/13/2019 11:27:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-006A	B52@3.0	6/13/2019 11:31:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-007A	B53@0.5	6/13/2019 11:04:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-008A	B53@1.5	6/13/2019 11:08:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-009A	B53@3.0	6/13/2019 11:10:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036059-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
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Ship From

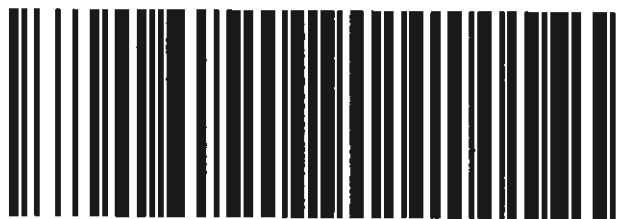
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

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.



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036060

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: N036060
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



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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		


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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		


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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT:	Alisto Engineering Group	Client Sample ID:	B50@0.5
Lab Order:	N036060	Collection Date:	6/13/2019 12:15:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	Matrix:	SOIL
Lab ID:	N036060-007		

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 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		


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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			



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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			



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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

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



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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				
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Reinos</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				
Sampler's Signature: <i>[Signature]</i>														
TURN AROUND TIME					ANALYSIS									
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium-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/CLP	Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Sample ID.	Date	Time	#	Matrix										
B48Q0.5	6/13/19	1400	1	Soil	X	X				X				N036060-01
B48Q1.5		1405	1											ON HOLD -02
B48Q3.0		1408	1											ON HOLD -03
B49Q0.5		1207	1		X	X				X				-04
B49Q1.5		1216	1											ON HOLD -05
B49Q3.0		1213	1											ON HOLD -06
B50Q0.5		1215	1		X	X				X				-07
B50Q1.5		1218	1											ON HOLD -08
B50Q3.0		1221	1											ON HOLD -09
Relinquished By: <i>[Signature]</i>					Date: 6/14/19 Time: 0500		Received By: <i>Marianne Santos</i>			Date: 6/14/19 Time: 900		SPECIAL INSTRUCTIONS:		
Relinquished By: <i>Marianne Santos</i>					Date: 6/14/19 Time: 1100		Received By: <i>Fern Men</i>			Date: 6/15/19 Time: 900				
Relinquished By:					Date: Time:		Received By:			Date: Time:				

IN #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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

YRJ

Checklist Completed By: FR 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-002A	B48@1.5	6/13/2019 2:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-003A	B48@3.0	6/13/2019 2:08:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-004A	B49@0.5	6/13/2019 12:07:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-005A	B49@1.5	6/13/2019 12:10:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-006A	B49@3.0	6/13/2019 12:13:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-007A	B50@0.5	6/13/2019 12:15:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-008A	B50@1.5	6/13/2019 12:18:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-009A	B50@3.0	6/13/2019 12:21:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036060-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



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Tracking #: 545167409**SDS****Ship To**

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MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

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2-7°C



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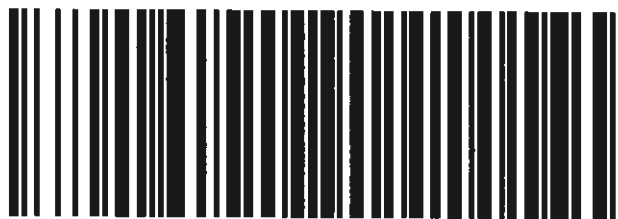
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Tracking #: 545167407**SDS****Ship To**

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3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036061

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



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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		


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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		


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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		


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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			


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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			



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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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				

TURN AROUND TIME					ANALYSIS										Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium 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		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											

Sample ID.	Date	Time	#	Matrix	Arsenic	Lead	Cadmium	TPH	PAHs	OCPs	PCBs	VOCs	Lead - Soluble
B45Q0.5	6/13/19	1525	1	Soil	X	X				X			
B45Q1.5		1528	1										
B45Q3.0		1532	1										
B46Q0.5		1542	1		X	X				X			
B46Q1.5		1546	1										
B46Q3.0		1550	1										
B47Q0.5		1522	1		X	X				X			
B47Q1.5		1525	1										
B47Q3.0		1528	1										

Relinquished By: <i>[Signature]</i>	Date: 6/14/19	Time: 0900	Received By: <i>Marianne Santos</i>	Date: 6/14/19	Time: 900	SPECIAL INSTRUCTIONS:
Relinquished By: <i>Marianne Santos</i>	Date: 6/14/19	Time: 1700	Received By: <i>Fern Puen</i>	Date: 6/15/19	Time: 9:00	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

in #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: 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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

Checklist Completed By:

FR

YRT

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-002A	B45@1.5	6/13/2019 3:28:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-003A	B45@3.0	6/13/2019 3:32:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-004A	B46@0.5	6/13/2019 3:42:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-005A	B46@1.5	6/13/2019 3:46:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-006A	B46@3.0	6/13/2019 3:50:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-007A	B47@0.5	6/13/2019 3:22:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-008A	B47@1.5	6/13/2019 3:25:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-009A	B47@3.0	6/13/2019 3:28:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036061-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
www.gso.com

Ship From

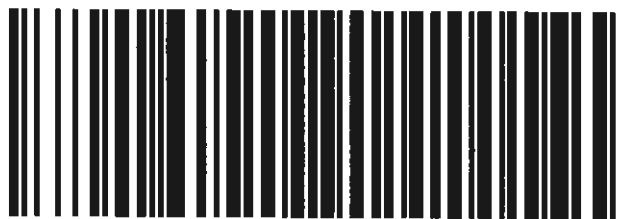
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

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,



Puri Romualdo
Laboratory Director

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036062

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



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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		


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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		


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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		


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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			



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"Serving Clients with Passion and Professionalism"

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			



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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

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



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:							
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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							
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Ramos</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:							
Sampler's Signature: <i>[Signature]</i>																	
TURN AROUND TIME					ANALYSIS												
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6020B	Cadmium-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	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>													
Sample ID.	Date	Time	#	Matrix													
B42Q0.5	6/13/19	1515	1	Soil	X	X				X						N036062-01	
B42Q1.5		1517	1													ON HOLD -02	
B42Q3.0		1519	1													ON HOLD -03	
B43Q0.5		1455	1		X	X										-04	
B43Q1.5		1458	1													ON HOLD -05	
B43Q3.0		1500	1													ON HOLD -06	
B44Q0.5		1445	1		X	X										-07	
B44Q1.5		1448	1													ON HOLD -08	
B44Q3.0		1450	1													ON HOLD -09	
Relinquished By: <i>[Signature]</i>					Date: 6/14/19 Time: 0900		Received By: <i>MARIANNE SANTOS</i>		Date: 6/14/19 Time: 900		SPECIAL INSTRUCTIONS:						
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS					Date: 6/14/19 Time: 1700		Received By: <i>[Signature]</i> FERN MESA		Date: 6/15/19 Time: 9:00								
Relinquished By:					Date: Time:		Received By:		Date: Time:								

IN #2 4.3°C, 27°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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

YRT

6/18/2019

Checklist Completed By: FR

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-002A	B42@1.5	6/13/2019 3:17:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-003A	B42@3.0	6/13/2019 3:19:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-004A	B43@0.5	6/13/2019 2:55:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-005A	B43@1.5	6/13/2019 2:58:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-006A	B43@3.0	6/13/2019 3:00:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-007A	B44@0.5	6/13/2019 2:45:00 PM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-008A	B44@1.5	6/13/2019 2:48:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-009A	B44@3.0	6/13/2019 2:50:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036062-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
www.gso.com

Ship From

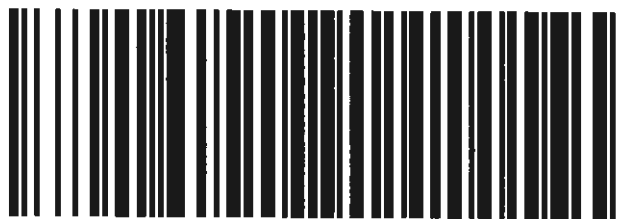
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

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

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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.: 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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036064

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



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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	78.9	24-109	%REC
Surr: Decachlorobiphenyl	62.7	23-115	%REC

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
Lead	9.5	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	ND	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	72.4	24-109	%REC
Surr: Decachlorobiphenyl	73.7	23-115	%REC

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
Lead	140	1.2	mg/Kg

Qualifiers:	B	Analyte detected in 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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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		

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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			


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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			



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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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: (print) <i>Hamidou Barry James Ramos</i>					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					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				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				

TURN AROUND TIME					ANALYSIS										Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD	
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>												

Sample ID.	Date	Time	#	Matrix	—	—	—	—	—	—	—	—	—	—	—	—
QC-4	6/13/19		1	Soil	X	X				X						N036064-01
QC-5	I		1	I	X	X				X						-02
QC-9	I		1	I	X	X										-03
DELETED																

Relinquished By: <i>[Signature]</i>	Date: 6/14/19	Time: 0900	Received By: <i>[Signature]</i> MARIANNE SANTOS	Date: 6/14/19	Time: 900	SPECIAL INSTRUCTIONS:
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS	Date: 6/14/19	Time: 1700	Received By: <i>[Signature]</i> FERNANDA	Date: 6/15/19	Time: 9:00	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036064-002A	QC-5		6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036064-003A	QC-9		6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036064-004A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



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www.gso.com

Ship From

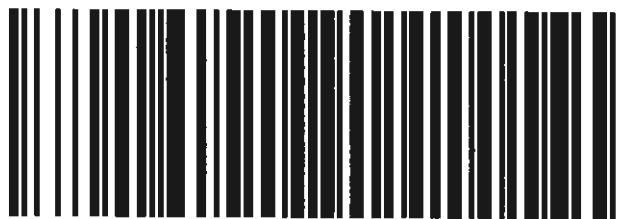
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**C89102A**

4271329

LVS NV891-C50

Print Date: 6/14/2019 4:57 PM

Package 1 of 3

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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.

1/2 #2
4.30c

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036063

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



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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		


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 ORELAP/NELAP Cert 4046

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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		


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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		


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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			


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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			



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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			



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:						
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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						
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Rames</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:						
Sampler's Signature: <i>[Signature]</i>																
TURN AROUND TIME					ANALYSIS											
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>												
Sample ID.	Date	Time	#	Matrix	---	--	--	--	--	--	--	--	--	--	--	
B38Q0.5	6/13/19	0913	1	Soil	X	X				X						N036063-01
B38Q1.5		0916	1													ON HOLD -02
B40Q0.5		0918	1		X	X				X						-03
B40Q1.5		0925	1													ON HOLD -04
B40Q3.0		0930	1													ON HOLD -05
B41Q0.5		0940	1		X	X				X						-06
B41Q1.5		0945	1													ON HOLD -07
B41Q3.0		0950	1													ON HOLD -08
Relinquished By: <i>[Signature]</i>					Date: 6/14/19	Time: 0900	Received By: <i>MARIANNE SANTOS</i>					Date: 6/14/19	Time: 900	SPECIAL INSTRUCTIONS:		
Relinquished By: <i>MARIANNE SANTOS</i>					Date: 6/14/19	Time: 1900	Received By: <i>[Signature]</i>					Date: 6/15/19	Time: 9:00			
Relinquished By:					Date:	Time:	Received By:					Date:	Time:			

12 #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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

YAT

Checklist Completed By: FR 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-002A	B38@1.5	6/13/2019 9:16:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-003A	B40@0.5	6/13/2019 9:18:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-004A	B40@1.5	6/13/2019 9:25:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-005A	B40@3.0	6/13/2019 9:30:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-006A	B41@0.5	6/13/2019 9:40:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-007A	B41@1.5	6/13/2019 9:45:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-008A	B41@3.0	6/13/2019 9:50:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036063-009A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

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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.

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2-7°C



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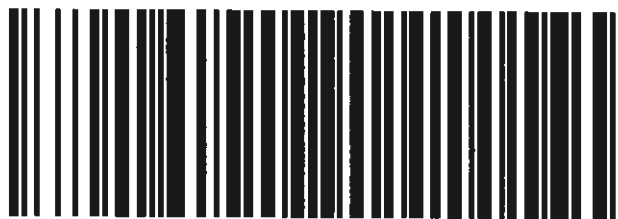
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c

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

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ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036065

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



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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		


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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	14	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	57.5	24-109	%REC
Surr: Decachlorobiphenyl	59.6	23-115	%REC

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
Lead	27	0.25	mg/Kg

Qualifiers:	B	Analyte detected in 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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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		


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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			


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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			



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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			



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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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

Checklist Completed By: FR *YRT* 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-002A	B31@1.5	6/13/2019 8:53:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-003A	B31@3.0	6/13/2019 8:55:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-004A	B32@0.5	6/13/2019 8:34:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-005A	B32@1.5	6/13/2019 8:40:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-006A	B32@3.0	6/13/2019 8:46:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-007A	B33@0.5	6/13/2019 8:58:00 AM	6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-008A	B33@1.5	6/13/2019 9:02:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-009A	B33@3.0	6/13/2019 9:08:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036065-010A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



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www.gso.com

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MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**SDS****Ship To**

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MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD:** \$0.00**Weight:** 0 lb(s)**Reference:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



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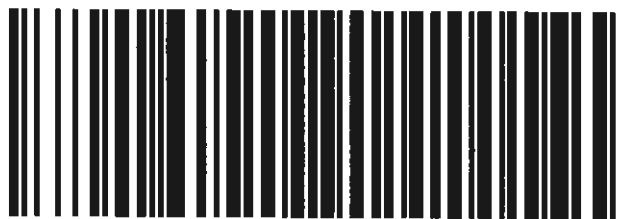
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CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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:

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IN #2
4.30c

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.



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036213

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



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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		


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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		


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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		


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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		


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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		


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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		


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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			



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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			



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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
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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>](mailto:marianne@assetlaboratories.com)

To: "James Ramos" [<jramos@alisto.com>](mailto:jramos@alisto.com)

Cc: "Hamidou Barry" [<hbarry@alisto.com>](mailto:hbarry@alisto.com), "puri" [<puri@assetlaboratories.com>](mailto:puri@assetlaboratories.com), "Thad Malit" [<tmalit@assetlaboratories.com>](mailto: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:	<u>YRJ</u>	<u>6/24/2019</u>	Reviewed by:	<u>YR</u>	<u>6/28/2019</u>
	Signature	Date		Initials	Date

- | | | |
|--|---|-----------------------------|
| 1. All samples within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 2. Refrigerator temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 3. Change Order documents present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036213-002A	B30@1.5'	6/10/2019 2:20:00 PM	7/1/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036213-003A	B34@1.5'	6/10/2019 11:12:00 AM	7/1/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036213-004A	B35@1.5'	6/10/2019 11:27:00 AM	7/1/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036213-005A	B36@1.5'	6/10/2019 11:47:00 AM	7/1/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036213-006A	B37@1.5'	6/10/2019 3:05:00 PM	7/1/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			7/1/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036213-007A	FOLDER	7/1/2019	7/1/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			7/1/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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

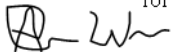
Attention: Hamidou Barry

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

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3151 W. Post Rd., Las Vegas, NV 89118
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ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037035

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.



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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



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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



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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



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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	


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ANALYTICAL RESULTS

Print Date: 29-Aug-19

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		


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ANALYTICAL RESULTS

Print Date: 29-Aug-19

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		


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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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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		


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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 29-Aug-19

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		


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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		


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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		


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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		


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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		


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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values

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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: ZZZZZ	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

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



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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

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



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGISTS

"Serving Clients with Passion and Professionalism"

CALIFORNIA | P: 562.219.7435 F: 562.219.7436
11110 Artesia Blvd., Ste B, Cerritos, CA 90703
ELAP Cert 2921
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

N037035

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:				Report To:				Samples Submitted To:																																																																																																																																																																																																							
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: James Ramos (print) <i>Hamidou Barry</i> Sampler's Signature: <i>[Signature]</i>				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				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																																																																																																																																																																																																							
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Relinquished By: <i>[Signature]</i> Date: 8/16/19 Time: 11:15 Relinquished By: <i>[Signature]</i> Karla Sevilla Date: 8/16/19 Time: 12:15 Relinquished By: <i>[Signature]</i> Date: 8/16/19 Time: 1:00				Received By: <i>[Signature]</i> Karla Sevilla Date: 8/16/19 Time: 11:15 Received By: <i>[Signature]</i> Date: 8/16/19 Time: 12:15 Received By: <i>[Signature]</i> Yvonne Lugo Date: 8/17/19 Time: 8:45am				SPECIAL INSTRUCTIONS:																																																																																																																																																																																																							

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY														
Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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				
Sampler's Name: James Ramos (print) Hamidou Barry					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number: 650 #s 7431/7832				
Sampler's Signature: [Signature]														
TURN AROUND TIME					ANALYSIS								Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD	
RUSH 24 Hrs 48 Hrs 72 Hrs Standard (5-7 days)					Arsenic - Total by EPA 6020 Lead - Total by EPA 6010B OCPs by EPA 8081A									
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>														
Sample ID. Date Time # Matrix														
B24-AQ0.5 8-15-19 1424 1 Soil					X X								N037035-10	
B24-AQ1.5													ON HOLD -11	
B24-AQ3.0													ON HOLD -12	
B24-BQ0.5					X X								-13	
B24-BQ1.5													ON HOLD -14	
B24-BQ3.0													ON HOLD -15	
B27-AQ0.5					X X								-16	
B27-AQ1.5													ON HOLD -17	
B27-AQ3.0													ON HOLD -18	
Relinquished By: [Signature]					Date: 8-16-19 Time: 1115		Received By: [Signature]			Date: 8/16/19 Time: 1115		SPECIAL INSTRUCTIONS:		
Relinquished By: [Signature]					Date: 8/16/19 Time: 1215		Received By: [Signature]			Date: 8/16/19 Time: 1215				
Relinquished By: [Signature]					Date: 8/16/19 Time: 1800		Received By: [Signature]			Date: 8/17/19 Time: 8:45				

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

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Sampler's Name: (print) James Rames Hamidou Barry					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number: 650 #s: 7831/7832 3.80C/2.50C/5L#2																																																							
Sampler's Signature: 					<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">TURN AROUND TIME</th> <th colspan="10">ANALYSIS</th> <th rowspan="2">Notes:</th> </tr> <tr> <th>RUSH</th> <th>24 Hrs</th> <th>48 Hrs</th> <th>72 Hrs</th> <th>Standard (5-7 days)</th> <th>Arsenic - Total by EPA 6020</th> <th>Lead - Total by EPA 6010B</th> <th></th> <th>OCPs by EPA 8081A</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										TURN AROUND TIME					ANALYSIS										Notes:	RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B		OCPs by EPA 8081A									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X													
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X																																																													
Sample ID.	Date	Time	#	Matrix																																																													
B29-AQ0.5	8-15-19	1025	1	Soil	X	X											N037035-19																																																
B29-AQ1.5		1027	1														ON HOLD -20																																																
B29-AQ3.0		1031	1														ON HOLD -21																																																
B32-AQ0.5		1045	1		X	X											-22																																																
B32-AQ1.5		1047	1														ON HOLD -23																																																
B32-AQ3.0		1049	1														ON HOLD -24																																																
B34-AQ0.5		1210	2		X	X		X									-25																																																
B34-AQ1.5		1214	2					X									-26																																																
B34-AQ3.0		1228	2														ON HOLD -27																																																
Relinquished By:					Date: 8-16-19 Time: 1115		Received By:					Date: 8/16/19 Time: 1115		SPECIAL INSTRUCTIONS:																																																			
Relinquished By: Karla Sevilla					Date: 8/16/19 Time: 1215		Received By: EMIL					Date: 8/16/19 Time: 1215																																																					
Relinquished By:					Date: 8/16/19 Time: 1200		Received By:					Date: 8/17/19 Time: 8:45am																																																					

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY															
Project Information:					Report To:					Samples Submitted To:					
Project No:		12-020-07			Consultant:		Alisto Engineering Group			Laboratory:		Asset Laboratories			
Project Title:		PEA-E: Abraham Lincoln High School			Address:		2737 North Main Street, Suite 200			Address:		11110 Artesia Blvd. Suite B, Cerritos, CA 90703			
Location:		3501 North Broadway, Los Angeles, CA					Walnut Creek, CA 94597			Contact:		Marianne Santos			
Sampler's Name:		(print) James Ramon Hamidou Barry			Contact:		Hamidou Barry: hbarry@alisto.com					marianne@assetlaboratories.com			
					Phone:		(925) 279-5000			Phone:		(562) 219-7435			
					Fax:		(925) 279-5001			Cell:					
Sampler's Signature:					Bill To:		Alisto Engineering Group			Shipment Method:					
										Air Bill Number:					
TURN AROUND TIME					ANALYSIS										
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>											
Sample ID.	Date	Time	#	Matrix											
B40-AQ0.5	8-15-19	1105	1	Soil	X	X									N037035-28
B40-AQ1.5		1108													ON HOLD -29
B40-AQ3.0		1110													ON HOLD -30
B41-AQ0.5		1137			X	X									-31
B41-AQ1.5		1142													ON HOLD -32
B41-AQ3.0		1145													ON HOLD -33
B41-BQ0.5		1150			X	X									-34
B41-BQ1.5		1153													ON HOLD -35
B41-BQ3.0		1156													ON HOLD -36
Relinquished By:				Date:	Time:	Received By:				Date:	Time:	SPECIAL INSTRUCTIONS:			
Relinquished By:		Karla Sevilla		Date:	Time:	Received By:				Date:	Time:				
Relinquished By:				Date:	Time:	Received By:				Date:	Time:				

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Sampler's Signature: <i>[Signature]</i>																	
TURN AROUND TIME					ANALYSIS												
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	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 3.8°C / 2.5°C <i>in #2</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>													
Sample ID.	Date	Time	#	Matrix													
B44-AQ0.5	8-15-19	1600	1	Soil	X	X											N037035-37
B44-AQ1.5		1605															ON HOLD -38
B44-AQ3.0		1610															ON HOLD -39
B46-AQ0.5		1638			X	Y											-40
B46-AQ1.5		1640															ON HOLD -41
B46-AQ3.0		1642															ON HOLD -42
B46-BQ0.5		1627			X	X											-43
B46-BQ1.5		1629															ON HOLD -44
B46-BQ3.0		1631															ON HOLD -45
Relinquished By: <i>[Signature]</i>					Date: 8-16/19 Time: 1115		Received By: <i>[Signature]</i>		Date: 8/16/19 Time: 1115		SPECIAL INSTRUCTIONS:						
Relinquished By: <i>[Signature]</i> Pri Karla Sevilla					Date: 8/16/19 Time: 1215		Received By: <i>[Signature]</i>		Date: 8/16/19 Time: 1215								
Relinquished By: <i>[Signature]</i> EIR					Date: 8/16/19 Time: 800		Received By: <i>[Signature]</i> Joaquin Rodriguez		Date: 8/17/19 Time: 8:45 am								

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

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Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: James Ramon Hamidou Barry (print)					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					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								
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>														
Sample ID.	Date	Time	#	Matrix														
B51-AG0.5	8-15-19	1544	1	Soil	X	X												N037035-46
B51-AG1.5		1546	1															ON HOLD -47
B51-AG3.0		1548	1															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: <i>[Signature]</i>					Date: 8/16/19 Time: 11:15		Received By: <i>[Signature]</i> Karla Sevilla		Date: 8/16/19 Time: 11:15		SPECIAL INSTRUCTIONS:							
Relinquished By: <i>[Signature]</i> Karla Sevilla					Date: 8/16/19 Time: 12:15		Received By: <i>[Signature]</i>		Date: 8/16/19 Time: 12:15									
Relinquished By: <i>[Signature]</i> EAC					Date: 8/16/19 Time: 12:00		Received By: <i>[Signature]</i> Joaquin R. Gomez		Date: 8/17/19 Time: 8:45 am									

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:							
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					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							
Sampler's Name: (print) James Ramos Hamidou Barry					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number: 650 # 7831 / 7832							
Sampler's Signature: <i>[Signature]</i>																	
TURN AROUND TIME					ANALYSIS												
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	OCPs by EPA 8081A										
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>													
					Notes: 3-8°C / 2.5°C <i>inf 2</i> OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD												
Sample ID.	Date	Time	#	Matrix													
B64-C00.5	8-15-19	1731	1	Soil	X	X											N037035-55
B64-C01.5		1733	1														ON HOLD -56
B64-C03.0		1735	1														ON HOLD -57
B65-A C10.5		1725	1		X	X											-58
B65-A C11.5		1727	1														ON HOLD -59
B65-A C13.0		1729	1														ON HOLD -60
TB-20190815	8-15-19	1800	4	AQ													ON HOLD -61
Relinquished By: <i>[Signature]</i> James Ramos					Date: 8-16-19 Time: 1115		Received By: <i>[Signature]</i> Bi Karla Sevilla		Date: 8/16/19 Time: 1115		SPECIAL INSTRUCTIONS:						
Relinquished By: <i>[Signature]</i> Bi Karla Sevilla					Date: 8/16/19 Time: 1215		Received By: <i>[Signature]</i>		Date: 8/16/19 Time: 1215								
Relinquished By:					Date:		Received By: <i>[Signature]</i> Valentin Rodriguez		Date: 8/17/19 Time: 8:45 am								

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR

YRJ

8/20/2019

Reviewed By:

[Signature]

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-002A	B10-A@1.5	8/15/2019 3:18:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-003A	B10-A@3.0	8/15/2019 3:20:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-004A	B10-B@0.5	8/15/2019 3:07:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-005A	B10-B@1.5	8/15/2019 3:09:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-006A	B10-B@3.0	8/15/2019 3:11:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-007A	B23-A@0.5	8/15/2019 2:08:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-008A	B23-A@1.5	8/15/2019 2:10:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-009A	B23-A@3.0	8/15/2019 2:12:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-010A	B24-A@0.5	8/15/2019 2:24:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-012A	B24-A@3.0	8/15/2019 2:29:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-013A	B24-B@0.5	8/15/2019 2:42:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-014A	B24-B@1.5	8/15/2019 2:46:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-015A	B24-B@3.0	8/15/2019 2:48:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-016A	B27-A@0.5	8/15/2019 10:15:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-017A	B27-A@1.5	8/15/2019 10:18:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-018A	B27-A@3.0	8/15/2019 10:20:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-019A	B29-A@0.5	8/15/2019 10:25:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-020A	B29-A@1.5	8/15/2019 10:27:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-021A	B29-A@3.0	8/15/2019 10:31:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-022A	B32-A@0.5	8/15/2019 10:45:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-023A	B32-A@1.5	8/15/2019 10:47:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-024A	B32-A@3.0	8/15/2019 10:49:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-025A	B34-A@0.5	8/15/2019 12:10:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-025B			8/23/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-026A	B34-A@1.5	8/15/2019 12:14:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-026B			8/23/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-027A	B34-A@3.0	8/15/2019 12:28:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-027B							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-028A	B40-A@0.5	8/15/2019 11:05:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-029A	B40-A@1.5	8/15/2019 11:08:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-030A	B40-A@3.0	8/15/2019 11:10:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-032A	B41-A@1.5	8/15/2019 11:42:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-033A	B41-A@3.0	8/15/2019 11:45:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-034A	B41-B@0.5	8/15/2019 11:50:00 AM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-035A	B41-B@1.5	8/15/2019 11:53:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-036A	B41-B@3.0	8/15/2019 11:56:00 AM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-037A	B44-A@0.5	8/15/2019 4:00:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-038A	B44-A@1.5	8/15/2019 4:05:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-039A	B44-A@3.0	8/15/2019 4:10:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-040A	B46-A@0.5	8/15/2019 4:38:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-042A	B46-A@3.0	8/15/2019 4:42:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-043A	B46-B@0.5	8/15/2019 4:27:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-044A	B46-B@1.5	8/15/2019 4:29:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-045A	B46-B@3.0	8/15/2019 4:31:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-046A	B51-A@0.5	8/15/2019 3:44:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-047A	B51-A@1.5	8/15/2019 3:46:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-048A	B51-A@3.0	8/15/2019 3:48:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-049A	B64-A@0.5	8/15/2019 5:13:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-050A	B64-A@1.5	8/15/2019 5:16:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-051A	B64-A@3.0	8/15/2019 5:19:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-052A	B64-B@0.5	8/15/2019 5:02:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-053A	B34-B@1.5	8/15/2019 5:06:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-054A	B34-B@3.0	8/15/2019 5:08:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-055A	B64-C@0.5	8/15/2019 5:31:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-056A	B64-C@1.5	8/15/2019 5:33:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-057A	B64-C@3.0	8/15/2019 5:35:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-058A	B65-A@0.5	8/15/2019 5:25:00 PM	8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-059A	B65-A@1.5	8/15/2019 5:27:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-060A	B65-A@3.0	8/15/2019 5:29:00 PM					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037035-061A	TB-20190815	8/15/2019 6:00:00 PM		Aqueous			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N037035-062A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



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www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877831

SDS

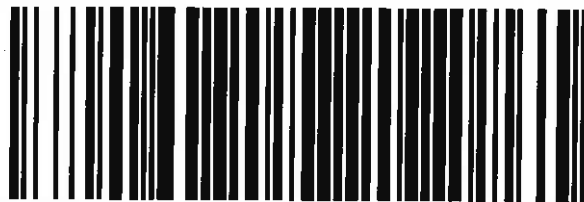


Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00
Weight: 0 lb(s)
Reference:

C89102A



7247279

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

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.

3.8PC
JN#2



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MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877832

SDS

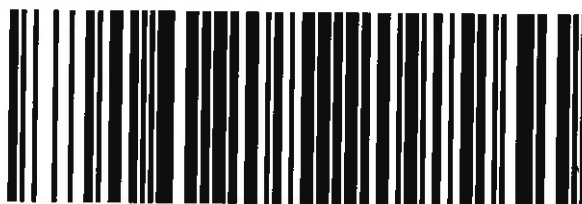


Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00
Weight: 0 lb(s)
Reference:

C89102A



7247280

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

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
sn# 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.



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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.

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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



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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		


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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		


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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		


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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values

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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

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

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



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Page 1 of 1

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR YRT 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037034-002A	QC-10		8/23/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037034-003A	QC-11@0.5		8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N037034-004A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877832

SDS

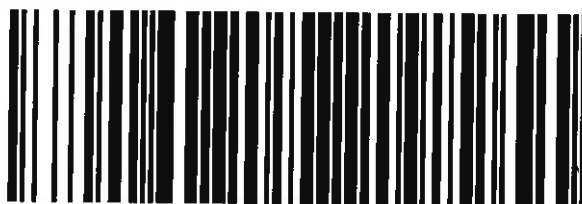


Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00
Weight: 0 lb(s)
Reference:

C89102A



7247280

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

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
sn# 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 Garani
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.



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037033

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.

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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



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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	


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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values

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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

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



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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

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



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ALISTO ENGINEERING GROUP

CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:									
Project No: 12-020-07					Consultant: Alisto Engineering Group					Laboratory: Asset Laboratories									
Project Title: PEA-E: Abraham Lincoln High School					Address: 2737 North Main Street, Suite 200					Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703									
Location: 3501 North Broadway, Los Angeles, CA					Contact: Hamidou Barry: hbarry@alisto.com					Contact: Marianne Santos									
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Ramos</i>					Al Sevilla: asevilla@alisto.com					marianne@assetlaboratories.com									
Sampler's Signature: <i>[Signature]</i>					Phone: (925) 279-5000					Phone: (562) 219-7435									
					Fax: (925) 279-5001					Cell:									
					Bill To:					Shipment Method:									
					Alisto Engineering Group					Air Bill Number: 650 #5: 7830/7831									
TURN AROUND TIME					ANALYSIS														
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	OCPs by EPA 8081A												
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>															
															Notes: OCPs by EPA Method 8081A Chlordane and DDE/DDT/DDD				
Sample ID.	Date	Time	#	Matrix															
Equipment Blank 4	8/15/19	1345	2	Water	X	X	X												N037033-01
Relinquished By: <i>[Signature]</i>		Date: 8-16-19 Time: 1115		Received By: <i>[Signature]</i> Karla Sevilla		Date: 8/16/19 Time: 1115		SPECIAL INSTRUCTIONS:											
Relinquished By: <i>[Signature]</i> Karla Sevilla		Date: 8/16/19 Time: 1215		Received By: <i>[Signature]</i>		Date: 8/16/19 Time: 1215													
Relinquished By: <i>[Signature]</i> EAR		Date: 8/16/19 Time: 1800		Received By: <i>[Signature]</i> Yoandry		Date: 8/17/19 Time: 8:45 am													

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N037033-001B			8/23/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N037033-002A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877830

SDS

**Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00

Weight: 0 lb(s)

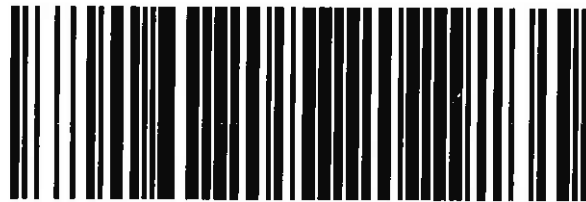
Reference:

Delivery Instructions:

HOLD FOR PICK-UP

Signature Type: STANDARD

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.

1.70c
JN#2



800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877831

SDS

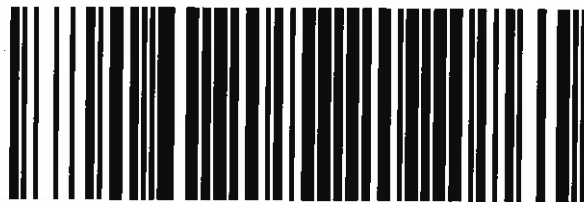


Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00
Weight: 0 lb(s)
Reference:

C89102A



7247279

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

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.

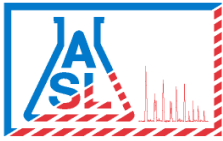
Step 2: Fold this page in half.

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.

3.8PC
JN#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 No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: (print)		Project Information:		Report To: Consultant: Alisto Engineering Group 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		Samples Submitted To: Laboratory: Asset Laboratories American Scientific Address: 11410 Artesia Blvd., Suite B, Cerritos, CA - 90703 Contact: Marianne Santos - marianne@assetlaboratories.com Phone: (562) 249-7435 Cell: (562) 249-7436 Fax: (562) 249-7436 Shipment Method: Air Bill Number:	
TURN AROUND TIME RUSH <input type="checkbox"/> 24 Hrs <input type="checkbox"/> 48 Hrs <input type="checkbox"/> 72 Hrs <input checked="" type="checkbox"/> Standard (5-7 days)		ANALYSIS Arsenic - Total by EPA 6020 Lead - Total by EPA 600B 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		Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD Lab. I.D.			
Sample ID: B680A1.0 B680A5.0 B680A10. B680A15 B680A1.0 B680A5.0 B680A10 B680A15	Date: 8-16-19 1148 1151 1154 1157 0950 1005 1016 1014	Time: 1 1 1 1 1 1 1 1	Matrix: Soil Soil Soil Soil Soil Soil Soil Soil	Arsenic - Total by EPA 6020 Lead - Total by EPA 600B 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 STLCTCLP Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD Lab. I.D.		
Relinquished By: James Remon Relinquished By: Relinquished By:	Date: 8-16-19 15:25 15:25 15:25	Time: 15:25 15:25 15:25	Date: 8-16-19 15:25 15:25 15:25	Time: 15:25 15:25 15:25	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)				Report To: Consultant: Alisto Engineering Group Address: 2737 North Main Street, Suite 200 Walnut Creek, CA 94597 Contact: hbarry@alisto.com Al Sevilla: asevilla@alisto.com Phone: (925) 279-5000 Fax: (925) 279-5001				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:													
Sampler's Signature:				Bill To: Alisto Engineering Group				Notes: OCPs by EPA Method 8081A: Chlordane and DDE/DDT/DDD Lab. I.O.													
TURN AROUND TIME RUSH <input type="checkbox"/> 24 Hrs <input type="checkbox"/> 48 Hrs <input type="checkbox"/> 72 Hrs <input checked="" type="checkbox"/> Standard (5-7 days)				ANALYSIS																	
Sample ID. Date Time # Matrix				Arsenic - Total by EPA 6020		Lead - Total by EPA 6010B/7471A		CAM-17 Metals by EPA 6010B/7471A		TPH by EPA 8015M G90/D80/MO		PAHs by EPA 8270 SIM		OCPs by EPA 8081A		PCBs by EPA 8082		VOCs by EPA 8260B		Lead - Soluble STLC/TCLP	
B66A 1.0 8-16-19 1403 1 Soil				X		X		.		X		X		X		X		X		1908139-05	
B66A 5.0 1405				X		X		X		X		X		X		X		X		1908139-06	
B66A 10 1407				X		X		X		X		X		X		X		X		ON HOLD 1908139-14	
B66A 15 1409				X		X		X		X		X		X		X		X		ON HOLD	
B67A 1.0 1315				X		X		X		X		X		X		X		X		1908139-07	
B67A 5.0 1319				X		X		X		X		X		X		X		X		1908139-08	
B67A 10 1323				X		X		X		X		X		X		X		X		ON HOLD	
B67A 15 1323				X		X		X		X		X		X		X		X		ON HOLD	
Relinquished By: James Ramos 8-16-19 15:25				Received By: Janet Chin		Date: 8-16-19		Time: 15:25		SPECIAL INSTRUCTIONS:		Date:		Time:		Date:		Time:		Date:	
Relinquished By:				Received By:		Date:		Time:		SPECIAL INSTRUCTIONS:		Date:		Time:		Date:		Time:		Date:	
Relinquished By:				Received By:		Date:		Time:		SPECIAL INSTRUCTIONS:		Date:		Time:		Date:		Time:		Date:	

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)		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		Samples Submitted To: Laboratory: Asset Laboratories Address: 44440 Artesia Blvd., Suite B, Artesia, CA 90703 Contact: Madeline Santos Phone: (562) 219-7433 Cell: (659) 219-7436 Fax: (659) 219-7436	
Sampler's Signature:		Ship Method:		Air Bill Number:	

Sample ID	Date	Time	#	Matrix	ANALYSIS						Notes:						
					Arsenic - Total by EPA 6020	Lead - Total by EPA 6010B	CAM-17 Metals by EPA 6010B/7471A	TPH by EPA 8015M 680/180/NO	PAHs by EPA 8270 SIM	OCPs by EPA 8081A		PCBs by EPA 8082	VOCs by EPA 8260B	Lead - Soluble STLC/CLP			
B70G10	8-16-19	1042	1	Soil	X	X		X									
B70G50		1046	1		X	X		X									
B70G16		1049	1														
B70G15		1051	1														
B71G10		1116	1		X	X		X									
B71G50		1120	1		X	X		X									
B71G10		1124	1														
B71G15		1128	1														
QC-12	8/16/19		1	Soil	X	X		X									
QC-13			1	Soil													

Relinquished By: JAMES PARRIS/ASL		Date: 8/16/19		Time: 15:25	
Relinquished By:		Date:		Time:	
Relinquished By:		Date:		Time:	



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: Tanet Chin



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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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.

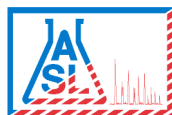
**AMERICAN SCIENTIFIC LABORATORIES, LLC****Environmental Testing Services**

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

Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou BarryWork Order No: 1908139
Reported:
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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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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**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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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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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2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou BarryWork Order No: 1908139
Reported:
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
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Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Batch ID: BH90346

Prepared: 08/19/2019 09:45

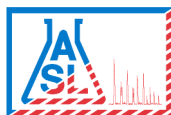
Surrogate: Decachlorobiphenyl 110 % 43-169 3545 08/19/2019 16:19 AY 8082**Volatile Organic Compounds**

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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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

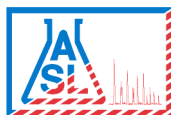
Work Order No: 1908139

Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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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**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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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
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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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
<i>Surrogate: Decachlorobiphenyl</i>			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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou BarryWork Order No: 1908139
Reported:
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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**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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

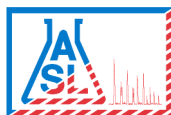
Work Order No: 1908139

Reported:
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

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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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Analytical Results

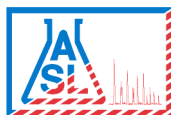
Client Sample ID: B66@5.0

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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Rojert G. Araghi

**AMERICAN SCIENTIFIC LABORATORIES, LLC****Environmental Testing Services**

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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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
<i>Surrogate: Chlorobenzene</i>			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
<i>Surrogate: Decachlorobiphenyl</i>			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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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**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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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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2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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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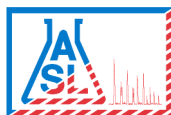
Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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Analytical Results

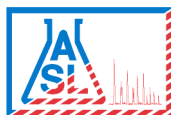
Client Sample ID: B70@1.0

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 -

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Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
<i>Surrogate: Decachlorobiphenyl</i>			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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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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Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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				
<i>Surrogate: Toluene-d8</i>			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
<i>Surrogate: Bromofluorobenzene</i>			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
<i>Surrogate: Chlorobenzene</i>			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
<i>Surrogate: Decachlorobiphenyl</i>			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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Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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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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Rojert G. Araghi

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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

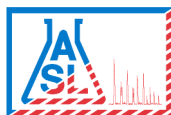
Work Order No: 1908139

Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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)**

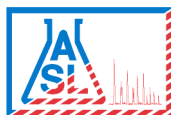
Analyte	Result	Notes	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total ICP Metals			Batch ID: BH90479		Prepared: 08/22/2019 12:02				
Lead	198		2.50	mg/kg	10	3050B	08/23/2019 14:17	LVE	SW846 6010B
Total Petroleum Hydrocarbons(TPH-g)			Batch ID: BH90431		Prepared: 08/21/2019 10:15				
Gasoline 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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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**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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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
2737 North Main Street, Suite 200
Walnut Creek CA, 94597Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:
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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Environmental Testing Services

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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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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Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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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

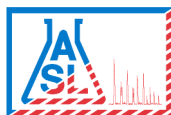
Matrix Spike (BH90446-MS1)

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

2737 North Main Street, Suite 200

Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School

Project Number: 12-020-07

Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:

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
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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

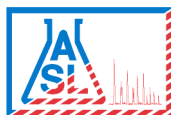
77.9

75-120

3.97

15

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Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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
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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
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Surrogate: Chlorobenzene	96.9	"	100	96.9	70-120
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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
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Surrogate: Chlorobenzene	99.0	"	100	99.0	70-120
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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
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Matrix Spike (BH90631-MS1)

Source: 1908257-04

Prepared & Analyzed: 08/30/201

Diesel range organics	568	mg/kg	500	0.800	113	75-120
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Surrogate: Chlorobenzene	97.1	"	100	97.1	70-120
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Matrix Spike Dup (BH90631-MSD1)

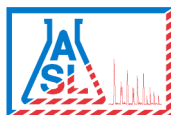
Source: 1908257-04

Prepared & Analyzed: 08/30/201

Diesel range organics	547	mg/kg	500	0.800	109	75-120	3.66	15
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Surrogate: Chlorobenzene	97.2	"	100	97.2	70-120
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Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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Polychlorinated Biphenyls (PCBs) by Gas Chromatography - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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

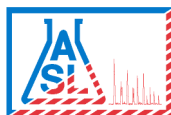
Aroclor 1260	197	33.0	ug/kg	167	118	39-150
Surrogate: Decachlorobiphenyl	17.1	"	16.7	102	43-169	

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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Project Manager: Hamidou Barry

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Reported:
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Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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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Rojert G. Araghi

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Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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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Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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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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Rojert G. Araghi, President/Lab Director



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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
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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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Volatile Organic Compounds - Quality Control Report

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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

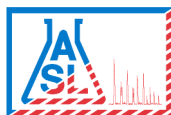
Benzene	44.6		ug/kg	50.0	0.240	88.7	75-120	9.71	15	
Chlorobenzene	51.3		"	50.0	0.350	102	75-120	0.680	15	
1,1-Dichloroethene	49.6		"	50.0	0.140	98.9	75-120	1.68	15	
Methyl tert-Butyl Ether (MTBE)	41.7		"	50.0	0.0500	83.3	75-120	1.86	15	
Toluene	52.3		"	50.0	0.380	104	75-120	7.15	15	
Trichloroethene	43.2		"	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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Volatile Organic Compounds - Quality Control Report

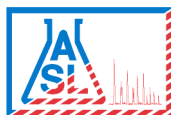
Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BH90445 - 5030A - 8260B**Blank (BH90445-BLK1)**

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	"

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.



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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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)

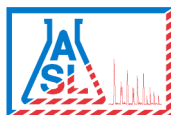
Source: 1908182-01

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

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



AMERICAN SCIENTIFIC LABORATORIES, LLC

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Alisto Engineering Group
2737 North Main Street, Suite 200
Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School
Project Number: 12-020-07
Project Manager: Hamidou Barry

Work Order No: 1908139
Reported:
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
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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	
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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			
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LCSD (LCSD 570-13506/3-A ^20)

Prepared: 08/19/201 Analyzed: 08/23/201

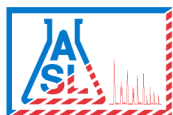
Arsenic	27.53	1.00	mg/Kg	25.0		110	80-120	0	20	
---------	-------	------	-------	------	--	-----	--------	---	----	--

MB (MB 570-13506/1-A ^20)

Prepared: 08/19/201 Analyzed: 08/21/201

Arsenic	ND	1.00	mg/Kg				-			
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Alisto Engineering Group

2737 North Main Street, Suite 200

Walnut Creek CA, 94597

Project: PEA-E : Abraham Lincoln High School

Project Number: 12-020-07

Project Manager: Hamidou Barry

Work Order No: 1908139

Reported:

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

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:		Asbestos (ND)					
Cellulose (Trace)							
B20@0.5'	51239329						
Layer: Brown Soil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B21@0.5'	51239332						
Layer: Tan Soil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B22@0.5'	51239335						
Layer: Tan Soil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B23@1.0'	51239338						
Layer: Brown Soil with Stones			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
QC-1	51239341						
Layer: Brown Soil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B24@0.5'	51239342						
Layer: Brown Soil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

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' Layer: Brown Soil	51239315		ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B29@0.5' Layer: Brown Soil	51239318		ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
B30@0.5' Layer: Brown Soil	51239321		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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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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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 Garani
Laboratory Director

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NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

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

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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035991

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:



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N035991

CASE NARRATIVE

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.



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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



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ORELAP/NELAP Cert 4046

ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 01-Jul-19

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
----------	--------	-----	------	-------	----	---------------

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	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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"Serving Clients with Passion and Professionalism"

ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 01-Jul-19

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
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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
 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



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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 01-Jul-19

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
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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
4,4'-DDE	ND	0.50	µg/L
4,4'-DDT	ND	0.50	µg/L
Chlordane	ND	2.5	µg/L
Surr: Tetrachloro-m-xylene	172	28-113	S %REC
Surr: Decachlorobiphenyl	15.3	34-124	S %REC

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
Aroclor 1221	ND	1.0	µg/L
Aroclor 1232	ND	0.50	µg/L
Aroclor 1242	ND	0.50	µg/L
Aroclor 1248	ND	0.50	µg/L
Aroclor 1254	ND	0.50	µg/L
Aroclor 1260	ND	0.50	µg/L
Surr: Decachlorobiphenyl	43.6	36-120	%REC
Surr: Tetrachloro-m-xylene	322	25-113	S %REC

GASOLINE RANGE ORGANICS BY GC/FID
EPA 8015B

RunID: NV00922-GC4_190613A	QC Batch: E19VW041	PrepDate:	Analyst: QBM
GRO	ND	0.050	mg/L
Surr: Chlorobenzene - d5	101	69-149	%REC

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

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



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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
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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	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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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
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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
Dibromochloromethane	ND	0.50	µg/L	1
Dibromomethane	ND	0.50	µg/L	1
Dichlorodifluoromethane	ND	0.50	µg/L	1
Ethylbenzene	ND	0.50	µg/L	1
Freon-113	ND	0.50	µg/L	1
Hexachlorobutadiene	ND	0.50	µg/L	1
Isopropylbenzene	ND	0.50	µg/L	1
m,p-Xylene	ND	1.0	µg/L	1
Methylene chloride	ND	2.0	µg/L	1
MTBE	ND	0.50	µg/L	1
n-Butylbenzene	ND	0.50	µg/L	1
n-Propylbenzene	ND	0.50	µg/L	1
Naphthalene	ND	0.50	µg/L	1
o-Xylene	ND	0.50	µg/L	1
sec-Butylbenzene	ND	0.50	µg/L	1
Styrene	ND	0.50	µg/L	1
tert-Butylbenzene	ND	0.50	µg/L	1
Tetrachloroethene	ND	0.50	µg/L	1
Toluene	ND	0.50	µg/L	1
trans-1,2-Dichloroethene	ND	0.50	µg/L	1
Trichloroethene	ND	0.50	µg/L	1
Trichlorofluoromethane	ND	0.50	µg/L	1
Vinyl chloride	ND	0.50	µg/L	1
Surr: 1,2-Dichloroethane-d4	98.4	75-130	%REC	1
Surr: 4-Bromofluorobenzene	92.2	80-120	%REC	1
Surr: Dibromofluoromethane	99.5	80-128	%REC	1
Surr: Toluene-d8	103	80-120	%REC	1

Qualifiers:	B	Analyte detected in 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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"Serving Clients with Passion and Professionalism"

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
 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



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL SCIENTISTS

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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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 | | |



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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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:

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CLIENT: Alisto Engineering Group
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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:

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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:

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"Serving Clients with Passion and Professionalism"

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:

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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:

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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			



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL SCIENCE

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EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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
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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR

YR

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

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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



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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Virus-free. www.avast.com

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035991-001B			6/19/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N035991-001C			6/19/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE/PCB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N035991-001D			6/19/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 6010B	TOTAL METALS BY ICP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/19/2019		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N035991-001E			6/19/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/19/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N035991-002A	TB20190611						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N035991-003A	FOLDER	6/19/2019	6/19/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/19/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



ASSET Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

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*

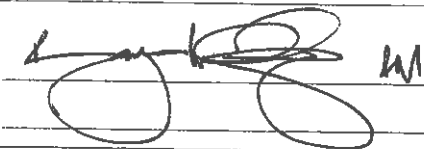

14-Jun-19

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.

Relinquished by: 	Date/Time: 6/14/19 1256	Received by: 	Date/Time: 6-14-19 1256
Relinquished by:		Received by:	



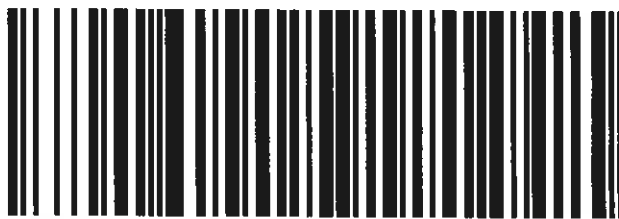
800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545137834**CPS****Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS**COD: \$0.00****Weight: 0 lb(s)****Reference:****Delivery Instructions:****HOLD FOR PICK-UP****Signature Type: STANDARD****C89102A**

4148815

LVS NV891-C51

Print Date: 6/12/2019 5:04 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.

#2 1.7



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
Laboratory Technical Director
3626 E. Sunset Road, Suite 100
Las Vegas, NV 89120

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1250 Lamoille Hwy, Suite 629, Elko, NV 89801 - Tel: 775-778-9828
11275 Sunrise Gold Circle, Unit V, Rancho Cordova, CA 95742 - Tel: 916-975-7492
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ssalabs.com



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
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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.
MCL Maximum Contaminant Level.
PQL Practical Quantitation Limit.

H Holding times for preparation or analysis exceeded.
ND Not Detected at the PQL.

Original



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 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.



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3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036053

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.



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ASSET Laboratories

Date: 01-Jul-19

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036053
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



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ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT:	Alisto Engineering Group	Client Sample ID:	Equipment Blank 2
Lab Order:	N036053	Collection Date:	6/12/2019 3:10:00 PM
Project:	PEA-E: Abraham Lincoln High School, 12-020-	Matrix:	WATER
Lab ID:	N036053-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID: CA01638-MS10_190618A	QC Batch:	CA19VW054	PrepDate:	Analyst: AW
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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		


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ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT: Alisto Engineering Group

Client Sample ID: Equipment Blank 2

Lab Order: N036053

Collection Date: 6/12/2019 3:10:00 PM

Project: PEA-E: Abraham Lincoln High School, 12-020-

Matrix: WATER

Lab ID: N036053-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID:	QC Batch:	CA19VW054	PrepDate:	Analyst: AW
cis-1,3-Dichloropropene	ND	0.50	µg/L	1
Dibromochloromethane	ND	0.50	µg/L	1
Dibromomethane	ND	0.50	µg/L	1
Dichlorodifluoromethane	ND	0.50	µg/L	1
Ethylbenzene	ND	0.50	µg/L	1
Freon-113	ND	0.50	µg/L	1
Hexachlorobutadiene	ND	0.50	µg/L	1
Isopropylbenzene	ND	0.50	µg/L	1
m,p-Xylene	ND	1.0	µg/L	1
Methylene chloride	ND	2.0	µg/L	1
MTBE	ND	0.50	µg/L	1
n-Butylbenzene	ND	0.50	µg/L	1
n-Propylbenzene	ND	0.50	µg/L	1
Naphthalene	ND	0.50	µg/L	1
o-Xylene	ND	0.50	µg/L	1
sec-Butylbenzene	ND	0.50	µg/L	1
Styrene	ND	0.50	µg/L	1
tert-Butylbenzene	ND	0.50	µg/L	1
Tetrachloroethene	ND	0.50	µg/L	1
Toluene	ND	0.50	µg/L	1
trans-1,2-Dichloroethene	ND	0.50	µg/L	1
Trichloroethene	ND	0.50	µg/L	1
Trichlorofluoromethane	ND	0.50	µg/L	1
Vinyl chloride	ND	0.50	µg/L	1
Surr: 1,2-Dichloroethane-d4	104	75-130	%REC	1
Surr: 4-Bromofluorobenzene	90.8	80-120	%REC	1
Surr: Dibromofluoromethane	107	80-128	%REC	1
Surr: Toluene-d8	102	80-120	%REC	1

DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID
EPA 3510C
EPA 8015B

RunID:	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
 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



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ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT: Alisto Engineering Group

Client Sample ID: Equipment Blank 2

Lab Order: N036053

Collection Date: 6/12/2019 3:10:00 PM

Project: PEA-E: Abraham Lincoln High School, 12-020-

Matrix: WATER

Lab ID: N036053-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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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
4,4'-DDE	ND	0.050	µg/L
4,4'-DDT	ND	0.050	µg/L
Chlordane	ND	0.25	µg/L
Surr: Tetrachloro-m-xylene	57.6	28-113	%REC
Surr: Decachlorobiphenyl	70.4	34-124	%REC

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
Aroclor 1221	ND	1.0	µg/L
Aroclor 1232	ND	0.50	µg/L
Aroclor 1242	ND	0.50	µg/L
Aroclor 1248	ND	0.50	µg/L
Aroclor 1254	ND	0.50	µg/L
Aroclor 1260	ND	0.50	µg/L
Surr: Decachlorobiphenyl	85.1	36-120	%REC
Surr: Tetrachloro-m-xylene	65.3	25-113	%REC

GASOLINE RANGE ORGANICS BY GC/FID
EPA 8015B

RunID: NV00922-GC4_190617A	QC Batch: E19VW042	PrepDate:	Analyst: QBM
GRO	ND	0.050	mg/L
Surr: Chlorobenzene - d5	115	69-149	%REC

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

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



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ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT: Alisto Engineering Group

Client Sample ID: Equipment Blank 3

Lab Order: N036053

Collection Date: 6/12/2019 2:05:00 PM

Project: PEA-E: Abraham Lincoln High School, 12-020-

Matrix: WATER

Lab ID: N036053-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID:	QC Batch:	CA19VW054	PrepDate:	Analyst:	
CA01638-MS10_190618A				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



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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT: Alisto Engineering Group

Client Sample ID: Equipment Blank 3

Lab Order: N036053

Collection Date: 6/12/2019 2:05:00 PM

Project: PEA-E: Abraham Lincoln High School, 12-020-

Matrix: WATER

Lab ID: N036053-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID:	QC Batch:	CA19VW054	PrepDate:	Analyst:	
CA01638-MS10_190618A				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:	QC Batch:	74230	PrepDate:	6/17/2019	Analyst:
NV00922-GC3_190617C					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
 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


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ASSET Laboratories
ANALYTICAL RESULTS

Print Date: 01-Jul-19

CLIENT: Alisto Engineering Group

Client Sample ID: Equipment Blank 3

Lab Order: N036053

Collection Date: 6/12/2019 2:05:00 PM

Project: PEA-E: Abraham Lincoln High School, 12-020-

Matrix: WATER

Lab ID: N036053-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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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
4,4'-DDE	ND	0.050	µg/L
4,4'-DDT	ND	0.050	µg/L
Chlordane	ND	0.25	µg/L
Surr: Tetrachloro-m-xylene	63.4	28-113	%REC
Surr: Decachlorobiphenyl	73.0	34-124	%REC

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
Aroclor 1221	ND	1.0	µg/L
Aroclor 1232	ND	0.50	µg/L
Aroclor 1242	ND	0.50	µg/L
Aroclor 1248	ND	0.50	µg/L
Aroclor 1254	ND	0.50	µg/L
Aroclor 1260	ND	0.50	µg/L
Surr: Decachlorobiphenyl	91.0	36-120	%REC
Surr: Tetrachloro-m-xylene	74.3	25-113	%REC

GASOLINE RANGE ORGANICS BY GC/FID
EPA 8015B

RunID: NV00922-GC4_190617A	QC Batch: E19VW042	PrepDate:	Analyst: QBM
GRO	ND	0.050	mg/L
Surr: Chlorobenzene - d5	111	69-149	%REC

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

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



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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
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID: CA01638-MS10_190618A	QC Batch:	CA19VW054	PrepDate:	Analyst: AW
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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		


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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
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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		


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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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 | | | |



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"Serving Clients with Passion and Professionalism"

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: ZZZZZ	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: ZZZZZ	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 | | | |



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"Serving Clients with Passion and Professionalism"

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:

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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:

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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:

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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:

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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:

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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			



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL, INDUSTRIAL, AND FOODS

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ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



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ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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
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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:					Report To:					Samples Submitted To:							
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA					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					Laboratory: Asset Laboratories Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703 Contact: Marianne Santos marianne@assetlaboratories.com Phone: (562) 219-7435 Cell: Fax:							
Sampler's Name: (print) <i>Hamidou Barry</i> <i>James Ramos</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:							
Sampler's Signature: <i>[Signature]</i>																	
TURN AROUND TIME					ANALYSIS												
RUSH	24 Hrs	48 Hrs	72 Hrs	Standard (5-7 days)	TPH by EPA 8015M <i>5/10/10</i>	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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>													
Sample ID.	Date	Time	#	Matrix													
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: <i>[Signature]</i>	Date: 6/14/19	Time: 9:00	Received By: <i>MARIANNE SANTOS</i>		Date: 6/14/19	Time: 9:00	SPECIAL INSTRUCTIONS:										
Relinquished By: <i>[Signature]</i> MARIANNE SANTOS	Date: 6/14/19	Time: 9:00	Received By: <i>[Signature]</i> FERN PER		Date: 6/14/19	Time: 9:00											
Relinquished By: <i>[Signature]</i>	Date:	Time:	Received By:		Date:	Time:											

In # 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: 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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

For:

YLT

6/18/2019

Checklist Completed By: FR

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036053-001B			6/21/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N036053-001C			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE/PCB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N036053-001D			6/21/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N036053-001E			6/21/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/21/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036053-002A	Equipment Blank 3	6/12/2019 2:05:00 PM	6/21/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036053-002B			6/21/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N036053-002C			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE/PCB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N036053-002D			6/21/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/21/2019		EPA 7470A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N036053-002E			6/21/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/21/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036053-003A	TB20190612	6/13/2019					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N036053-004A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Page 1 of 1

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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		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com reports@assetlaboratories.com		Cerritos, CA 90703		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone: 562.219.7435 Fax: 562.219.7436		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com		LabSpec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted By: Marianne Santos		Cerritos, CA 90703		Phone: 562.219.7435 Fax: 562.219.7436		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Phone: 562.219.7435 Fax: 562.219.7436		Matrix		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: _____ Date: _____		Sampled by: <u>Signed</u>		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>		Global ID:		Regulatory <input type="checkbox"/>		5. IR number _____	
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.		NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>		PO# <u>N36053A</u>		Specify State:		6. Method of Cooling _____	
Project Name: <u>PEA - E: Abraham Lincoln High School</u>		Signature: _____		Surface <input type="checkbox"/>		Analyses Requested		Turn Around Time		Sample Temp: _____	
Project Number: <u>12*020-07</u>								No. of container		Tracking No. _____	
								Container Type		Remarks	
								PRESERVATION			
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others				
1		EQUIPMENT BLANK 2	6/12/19	1510	X						
2		EQUIPMENT BLANK 3	6/13/19	1405	X						
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Relinquished by (Signature and Printed Name): Am Karta Sevilla Date / Time: 6/14/19 1417

Relinquished by (Signature and Printed Name): _____ Date / Time: _____

Relinquished by (Signature and Printed Name): _____ Date / Time: _____

Received by (Signature and Printed Name): [Signature] Date / Time: 06/14/19 1417

Received 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. Requester TAT is 5-7 business days. Surcharges will apply for rush analysis.

3. Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%

4. Custom EDD formats will be an additional 1% of the total project price.

5. Add 10% surcharge for 1 report (10) prints. Pack price: 15% for 1 report (10) prints. Surcharge based 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

Other/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



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c



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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
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: _____

Cyrus Razmara, Ph.D.
Laboratory Director



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Contact us:
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
www.assetlaboratories.com

Page 1 of 1

Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		RTNE		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Cerritos, CA 90703		RWQCB		1. Chilled	
Phone: 562.219.7435		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com		CalTrans		2. Headspace	
Submitted By: Marianne Santos		Phone: 562.219.7436		Phone: 562.219.7435		Level III		3. Container Intact	
Title:		Date:		Fax: 562.219.7436		LEVEL IV		4. Seal Present	
Signature:		Signed		Fax: 562.219.7435		Regulatory		5. IR number	
I hereby authorize ASSET Labs to perform the tests indicated below:		Sampled by:		Matrix		Specify State:		6. Method of Cooling	
Project Name: PEA-E: Abraham Lincoln High School		Signature:		Ground		Global ID: 562.219.7436		Sample Temp:	
Project Number: 12-020-07		Date: 6/12/19		Potable		Analyses Requested		Counter:	
Laboratory Work Order No.		Time		NPDES		Time Around Time		Tracking No.	
1 98589.01		1516		Surface		EIP		Remarks	
2 98589.02		1405		Water		EIP			
3				Solid					
4				Others					
5									
6									
7									
8									
9									
10									
11									
12									
Relinquished by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Special Instruction:	
Don Karla Sevilla 6/14/19 1417				[Signature] 06/14/19 1417				Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 9 AM the following day if samples received after 3:00 PM.	
Relinquished by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Preservatives: H = HCl N = HNO3 S = H2SO4 C = 4°C Z = Zn(Ac2) O = NaOH T = Na2SO3 Others/Specify:	
Relinquished by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Container Type: T = Tube V = VOA P = Pint J = Jar B = Tedlar G = Glass M = Metal P = Plastic C = Can	
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. 3. Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 4 Workdays = 20% 4. Add 10% surcharge for report data package. 15% for data package. Surcharge applied on total amount due. 5. Trip Blank and Equipment Blank are stable 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.									

Yellow = Customer's Copy

White = Laboratory 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: <u>Asset/ab</u>			
Project Name:			
AETL Job Number: <u>98589</u>			
Date Received: <u>06/14/19</u>		Received by: <u>Art</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (/) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input checked="" type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Y</u>		
2. Are the Sample labels legible?	<u>Y</u>		
3. Do samples match the COC?	<u>Y</u>		
4. Are the required analyses clear?	<u>Y</u>		
5. Is there enough samples for required analysis?	<u>Y</u>		
6. Are samples sealed with evidence tape?		<u>1</u>	
7. Are sample containers in good condition?	<u>Y</u>		
8. Are samples preserved?	<u>Y</u>		
9. Are samples preserved properly for the intended analysis?	<u>Y</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>1</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Telephone: (702) 307-2659
Attention: Marianne Santos

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: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By**Site**

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Site

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

Page: 4

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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2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

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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

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

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.afl-labs.com
TEL: 7023072659 FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

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*

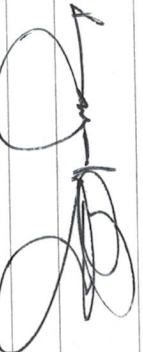
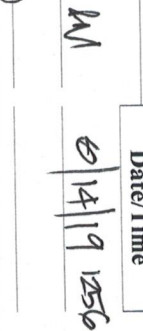


14-Jun-19

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests	
				EPA 6010B	
N035991-001E / Equipment Blank 1	Water	6/11/2019 2:00:00 PM	80ZP	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.

Relinquished by:		<u>MM</u>	Date/Time	<u>6/14/19 1256</u>
Relinquished by:			Received by:	
			Received by:	
			Date/Time	<u>6-14-19 1256</u>

CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N037033

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.



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3151 W. Post Rd., Las Vegas, NV 89118
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ORELAP/NELAP Cert 4046

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



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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		


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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
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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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

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



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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

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



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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Notes:

OCPs by EPA Method 8081A
Chlordane and DDE/DDT/DDD

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR

YRJ

8/20/2019

Reviewed By:

R

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 6020	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N037033-001B			8/23/2019		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: PESTICIDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/23/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N037033-002A	FOLDER	8/23/2019	8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			8/23/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877830

SDS

**Ship To**

ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00

Weight: 0 lb(s)

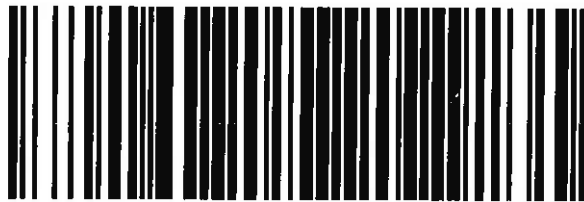
Reference:

Delivery Instructions:

HOLD FOR PICK-UP

Signature Type: STANDARD

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.

1.70c
JN#2



800-322-5555
www.gso.com

Ship From
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545877831

SDS

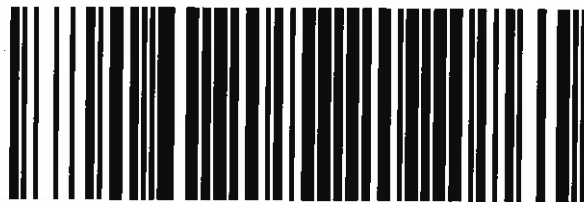


Ship To
ASSET LABORATORIES
MARLON CARTIN
3151 W. POST RD.,
LAS VEGAS, NV 89118

LAS VEGAS

COD: \$0.00
Weight: 0 lb(s)
Reference:

C89102A



7247279

Delivery Instructions:
HOLD FOR PICK-UP
Signature Type: STANDARD

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.

3.8PC
JN#2

APPENDIX F

WASTE DISPOSAL DOCUMENTATION

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: <u>9/14/19</u>	Responsible for Payment:	Transport Truck #: <u>8761496</u>	Facility #: <u>A07</u>	Approval Number: <u>A5-0731</u>	Load #: <u>1201</u>
-------------------------------------	--------------------------	--------------------------------------	---------------------------	------------------------------------	------------------------

Generator's Name and Billing Address: LAUSD - OEHS ATTN: LAWRENCE BROWNE 333 SOUTH BEAUDRY, 21ST FLOOR LOS ANGELES, CA 90017	Generator's Phone #: <u>213-241-4263</u>	
	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 #: <u>(800) 862-8001</u>	
	Person to Contact: <u>JOE PROVANSAL</u>	
	FAX#: <u>(760) 246-8004</u>	

Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 309586	Transporter's Phone #: <u>949-460-5200</u>	<u>CAR000183913</u>
	Person to Contact: <u>LARRY MOOTHART</u>	<u>450647</u>
	FAX#: <u>949-460-5210</u>	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	<u>001 DM</u>	<u>Soil</u>	<u>32440</u>	<u>31800</u>	<u>660</u>
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					<u>.33</u>

List any exception to items listed above:	Scale Ticket # <u>155483</u>
---	------------------------------

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described 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 <input type="checkbox"/> Consultant <input type="checkbox"/> <u>Brandon Barry for LAUSD</u>	Signature and date: <u>[Signature]</u>	Month <u>08</u> Day <u>16</u> Year <u>19</u>
--	--	--

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: <u>Frank Torres</u>	Signature and date: <u>[Signature]</u>	Month <u>8</u> Day <u>16</u> Year <u>19</u>
---	--	---

Recycling Facility	Discrepancies:	
	Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:	
	Print or Type Name: <u>J. PROVANSAL / BILL BISHOP / BARRY MEEK</u>	Signature and date: <u>[Signature]</u> <u>9-4-19</u>

Please print or type.

TRANSPORTER COPY

Adelanto, CA
Soil Recycling Facility

Soil Safe
(Formerly TPST)
SOIL DATA AND CERTIFICATION SHEET

DATE: 08/01/19

Generator (property 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

☒ 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

☒ 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 appropriate 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 solely 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)

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) Thallium
d) Beryllium j) Mercury p) Vanadium
e) Cadmium k) Molybdenum q) Zinc
f) Chromium l) Nickel

2) TPH by:

EPA 418.1 or
EPA 8015 modified

3) BTEX/VOC by:

EPA 8020 EPA 8010
or EPA 8260(combines above)

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.

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:

Print Name:

Samantha Han

Date: 08/01/19

Title: Environmental Health Supervisor

Environmental Firm Signatory:

Print Name:

Date:

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.



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CLIENT: Alisto Engineering Group
Project: PEA-E: Abraham Lincoln High School, 12-020-
Lab Order: N036052

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



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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
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VOLATILE ORGANIC COMPOUNDS BY GC/MS
EPA 8260B

RunID:	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		


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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
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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
 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



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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
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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
4,4'-DDE	ND	2.0	µg/Kg
4,4'-DDT	ND	2.0	µg/Kg
Chlordane	180	8.5	µg/Kg
Surr: Tetrachloro-m-xylene	72.7	24-109	%REC
Surr: Decachlorobiphenyl	57.6	23-115	%REC

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
Aroclor 1221	ND	33	µg/Kg
Aroclor 1232	ND	16	µg/Kg
Aroclor 1242	ND	16	µg/Kg
Aroclor 1248	ND	16	µg/Kg
Aroclor 1254	ND	16	µg/Kg
Aroclor 1260	ND	16	µg/Kg
Surr: Decachlorobiphenyl	70.4	25-120	%REC
Surr: Tetrachloro-m-xylene	59.8	21-118	%REC

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
Surr: Chlorobenzene - d5	129	47-163	%REC

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

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



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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			



ASSET LABORATORIES
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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			



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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			



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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
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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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:

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Work Order: N036052
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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:

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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:

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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:

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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:

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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			



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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL, INDUSTRIAL, & FORENSIC USES

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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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			



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"Serving Clients with Passion and Professionalism"

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
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DO	Surrogate Diluted Out	Calculations are based on raw values			



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"Serving Clients with Passion and Professionalism"

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
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DO	Surrogate Diluted Out	Calculations are based on raw values			



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"Serving Clients with Passion and Professionalism"

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
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"Serving Clients with Passion and Professionalism"

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
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"Serving Clients with Passion and Professionalism"

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
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ALISTO ENGINEERING GROUP CHAIN OF CUSTODY														
Project Information:					Report To:					Samples Submitted To:				
Project No: 12-020-07 Project Title: PEA-E: Abraham Lincoln High School Location: 3501 North Broadway, Los Angeles, CA Sampler's Name: <i>Hamidou Barry</i> (print) <i>James Ramos</i>					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					Laboratory: Asset Laboratories Address: 11110 Artesia Blvd. Suite B, Cerritos, CA 90703 Contact: Marianne Santos marianne@assetlaboratories.com Phone: (562) 219-7435 Cell: Fax:				
Sampler's Signature: <i>[Signature]</i>					Bill To: Alisto Engineering Group					Shipment Method: Air Bill Number:				
TURN AROUND TIME RUSH 24 Hrs 48 Hrs 72 Hrs Standard (5-7 days) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>					ANALYSIS TPH by EPA 8015M <i>6/D/MO</i> CAM-17 Metals by EPA 6010B/17471A VOCs by EPA 8260B OCPs by EPA 8081A PCBs by EPA 8082 Lead - Soluble STLC/TCPL								Notes: OCPs by EPA Method 8081A Chlordane and DDE/DDT/DDD	
Sample ID.	Date	Time	#	Matrix	--	--	--	--	--	---				
DRUM	6/13/19	1715	6	Soil	X	X	X	X	X					N036052-01
Relinquished By: <i>[Signature]</i>		Date: <i>6/14/19</i> Time: <i>0900</i>		Received By: <i>MARIANNE SANTOS</i>		Date: <i>6/14/19</i> Time: <i>900</i>		SPECIAL INSTRUCTIONS:						
Relinquished By: <i>[Signature]</i> <i>MARIANNE SANTOS</i>		Date: <i>6/14/19</i> Time: <i>1700</i>		Received By: <i>FEM ME</i>		Date: <i>6/15/19</i> Time: <i>900</i>								
Relinquished By:		Date: Time:		Received By:		Date: Time:								

Data 1 of 1

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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8081A	ORGANOCHLORINE PESTICIDES BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			6/21/2019		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N036052-001B			6/21/2019		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			6/21/2019		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N036052-001C			6/21/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
			6/21/2019		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036052-001D							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036052-001E			6/21/2019		EPA 5035	Closed System Purge and Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			6/21/2019		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036052-001F							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N036052-001G							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V-CA
N036052-002A	FOLDER	6/21/2019	6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/21/2019		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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: 702.307.2691

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		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com reports@assetlaboratories.com		Address: Cerritos, CA 90703		Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone: 562.219.7435 Fax: 562.219.7436		Address: 11110 Artesia Blvd Ste B		Email to: elvira@assetlaboratories.com PO# N36052A		LabSpec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted by: Marianne Santos		Cerritos, CA 90703		Phone: 562.219.7435 Fax: 562.219.7436		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Phone: 562.219.7435 Fax: 562.219.7436		Matrix		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: _____ Date: _____		Sampled by: Signed		Analyses Requested		Global ID:		Regulatory <input type="checkbox"/>		5. IR number <input type="checkbox"/>	
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.		Ground <input type="checkbox"/> Sediment <input type="checkbox"/>		CAM 17 (except mercury)		Specify State:		6. Method of Cooling <input type="checkbox"/>	
Project Name: PEA - E: Abraham Lincoln High School		Signature: _____		Potable <input type="checkbox"/> Soil <input checked="" type="checkbox"/>				Turn Around Time		Courier:	
Project Number: 12-020-07				NPDES <input type="checkbox"/> Other Solid <input type="checkbox"/>				No. of container		Tracking No.	
				Surface <input type="checkbox"/>				Container Type		Remarks	
								PRESERVATION			
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others				
1		DRUM	6/13/19	1715		X		X			EIG
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Relinquished by (Signature and Printed Name): Karla Sevilla 6/14/19 1417	Date / Time: 6/14/19 1417	Received by (Signature and Printed Name): AETL 6/14/19 1417	Date / Time: 6/14/19 1417	Turn Around Time (TAT) <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	Special Instruction:
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:		

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. Delivery TAT is 5-7 business days, surcharges will apply for rush analysis.

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. Surcharges applied as 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

Preservatives:
H = HCl N = HNO3 S = H2SO4 C = 4°C
Z = Zn(AC)2 O = NaOH T = Na2S2O5

Container Type:
T = Tube V = VOA P = Pint
J = Jar B = Tedlar G = Glass
M = Metal P = Plastic C = Can



800-322-5555
www.gso.com

Ship From

ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167409**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1A 2
2-7°C



800-322-5555
www.gso.com

Ship From

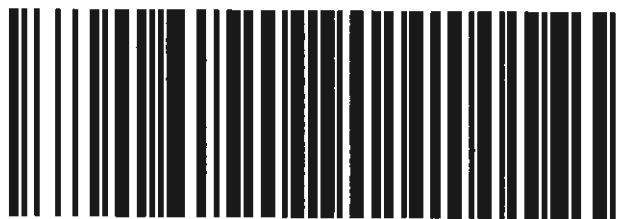
ASSET LABORATORIES
MARIANNE SANTOS
11110 ARTESIA BLVD. SUITE B
CERRITOS, CA 90703

Tracking #: 545167407**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:****Delivery Instructions:**

HOLD FOR PICK-UP

Signature Type: STANDARD**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.

1/2 #2
4.30c



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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
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: _____

Cyrus Razmara, Ph.D.
Laboratory Director



ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

SUBCONTRACT TO: AETL

CHAIN OF CUSTODY RECORD

Contact us:
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
www.assetlaboratories.com

98588

Client: ASSET Laboratories		Report to: Marianne Santos		Bill to: Elvira Allegaert/Accounts Payable		EDD Requirement		QA/QC		Sample Receipt Condition	
Address: 11110 Artesia Blvd Ste B		Company: ASSET Laboratories		Address: 11110 Artesia Blvd Ste B		Excel EDD		RTNE		Y N	
Address: Cerritos, CA 90703		Email: marianne@assetlaboratories.com		Address: Cerritos, CA 90703		Geotracker		RWQCB		1. Chilled	
Phone: 562.219.7435		Fax: 562.219.7436		Address: 11110 Artesia Blvd Ste B		Labspec		CalTrans		2. Headspace	
Submitted By: Marianne Santos		Date: 562.219.7436		Email to: elvira@assetlaboratories.com		Others		Level III		3. Container Intact	
Title:		Sampled by: Signed		Phone: 562.219.7435		Specify:		LEVEL IV		4. Seal Present	
Signature:		Date:		Fax: 562.219.7436		Global ID:		Regulatory		5. IR number	
I hereby authorize ASSET Labs to perform the tests indicated below:		Signature:		Matrix		Analyses Requested		Specify State:		Sample Temp:	
Project Name: PEA-E: Abraham Lincoln High School		Date:		Ground		Sediment		No. of container		Counter:	
Project Number: 12-020-07		Date:		Potable		Soil		Container Type		Tracking No.	
Laboratory Work Order No. 98588-01		Date:		NPDES		Other Solid		Turn Around Time		Remarks	
Sample ID/Location		Date		Water		Solid		PRESERVATION			
1 DRUM		6/13/19 1715		Surface		X		E10			
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Relinquished by (Signature and Printed Name): Karla Sevilla		Date / Time: 6/14/19 1417		Received by (Signature and Printed Name):		Date / Time: 06/14/19 1417		Turn Around Time (TAT)		Special Instruction:	
Relinquished by (Signature and Printed Name):		Date / Time:		Received by (Signature and Printed Name):		Date / Time:		A < 24 Hrs or Same Day TAT		B = Next Workday	
Relinquished by (Signature and Printed Name):		Date / Time:		Received by (Signature and Printed Name):		Date / Time:		C = 2 Workdays		D = 3 Workdays	
Relinquished by (Signature and Printed Name):		Date / Time:		Received by (Signature and Printed Name):		Date / Time:		E = Routine 5-7 Workdays		TAT starts at 8 AM the following day if samples received after 3:00 PM.	
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.		5. The blanks and equipment blanks are bilable sample.		Preservatives:		H = HCl		V = VOA	
2. Repairs, surveys, and records will be destroyed in 5 years upon submission of final report.		3. Custom EDD formats will be an additional 1% of the total project price.		6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.		I = HNO3		S = H2SO4		P = Pint	
3. Custom EDD formats will be an additional 1% of the total project price.		4. Workdays = 20%		7. Terms are set 30 Days.		N = HNO3		C = HCl		B = Teller	
4. Add 10% surcharge for Level III Data Packages. Add 10% surcharge for Level IV Data Packages. Surcharge applied on total project price.				8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.		O = NaOH		T = Na2SO4		G = Glass	
				9. For subcontract analysis, TAT and surcharges will vary.		Others/Specify:		M = Metal		P = Plastic	
								Yellow = Customer's Copy		White = Laboratory 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: <u>Asset Lab</u>			
Project Name:			
AETL Job Number: <u>98588</u>			
Date Received: <u>06/14/19</u>		Received by: <u>Ant</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>/</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Y</u>		
2. Are the Sample labels legible?	<u>Y</u>		
3. Do samples match the COC?	<u>Y</u>		
4. Are the required analyses clear?	<u>Y</u>		
5. Is there enough samples for required analysis?	<u>Y</u>		
6. Are samples sealed with evidence tape?		<u>Y</u>	
7. Are sample containers in good condition?	<u>Y</u>		
8. Are samples preserved?	<u>Y</u>		
9. Are samples preserved properly for the intended analysis?	<u>Y</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>Y</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

ASSET Laboratories
11110 Artesia Blvd. Suite B
Cerritos, CA 90703

Project ID: 12-020-07
Date Received 06/14/2019
Date Reported 06/24/2019

Telephone: (702) 307-2659
Attention: Marianne Santos

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: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

ASSET Laboratories
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Site

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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
11110 Artesia Blvd.
Suite B
Cerritos, CA 90703

Site

PEA-E: Abraham Lincoln HS

Telephone: (702)307-2659

Attn: Marianne Santos

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

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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
