

# Final Preliminary Endangerment Assessment Equivalent Belvedere Middle School Los Angeles, California

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## PRESENTED TO

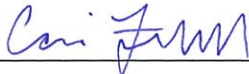
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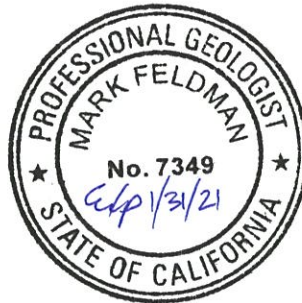


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## ACRONYMS AND ABBREVIATIONS

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95% UCL	95% upper confidence limit of the mean
AOC	area of concern
ASTM	ASTM International
bgs	below ground surface
CCR	California Code of Regulations
CFR	Code of Federal Regulations
CMP	Comprehensive Modernization Project
DOT	United States Department of Transportation
DTSC	California Department of Toxic Substances Control
DTSC-SL	California Department of Toxic Substances Control Screening Level
DWR	California Department of Water Resources
ESA	Phase I Environmental Site Assessment
HASP	Health and Safety Plan
IS/MND	Initial Study/Mitigated Negative Declaration
LAUSD	Los Angeles Unified School District
metals	California Title 22 Metals
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mg/m <sup>3</sup>	milligrams per cubic meter
NOI	Notice of Intent
OCPs	organochlorine pesticides
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
PEA-E	Preliminary Endangerment Assessment Equivalent
PEL	Permissible Exposure Limit
PID	photoionization detector
PPE	personal protective equipment
RACR	Remedial Action Completion Report
RSL	Regional Screening Level
SCAQMD	South Coast Air Quality Management District
Site	Belvedere Middle School
STLC	Soluble Threshold Limit Concentration

SWRCB	State Water Resources Control Board
TCLP	Toxicity Characteristic Leaching Procedure
Tetra Tech	Tetra Tech, Inc.
TPH	total petroleum hydrocarbons
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compound
WET	Waste Extraction Test

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## EXECUTIVE SUMMARY

Tetra Tech, Inc. was contracted by Los Angeles Unified School District Office of Environmental Health and Safety to conduct a Preliminary Endangerment Assessment Equivalent for Belvedere Middle School, located at 312 Record Avenue, Los Angeles, California (Figure 1). The PEA-E was conducted in support of a comprehensive modernization project for the school. The PEA-E is intended to evaluate Recognized Environmental Conditions at selected locations within the CMP footprint, as identified in a Phase I Environmental Site Assessment conducted in 2017 (Tetra Tech, 2017). The objective of the PEA-E was to identify whether any environmental issues will need to be mitigated prior to or during the modernization project.

The PEA-E investigation included drilling and sampling 42 primary soil borings (Figure 2). Soil samples collected from the primary borings were analyzed for one or more of the following: California Title 22 metals, arsenic and thallium, total petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, organochlorine pesticides, and soluble lead. Based on the results for the primary soil borings, 42 step-out borings (Figures 3 to 7) were drilled to assess lead impacts. The step-out borings were analyzed for total and soluble lead only.

The principal findings of the PEA-E are as follows:

- With the exception of arsenic and lead, metals concentrations were below human health-based screening levels, and are not considered to be of concern.
- One sample had an arsenic concentration exceeding the Southern California background-based screening level; however, the Sitewide 95% upper confidence limit of the mean arsenic concentration was less than the screening level. Arsenic concentrations are not considered to be of concern.
- Thirty-four soil samples had total lead concentrations greater than the screening level of 80 milligrams per kilogram, and the sitewide 95% upper confidence limit of the mean lead concentration of 89.1 milligrams per kilogram exceeded the screening level. Total lead concentrations at the Site are considered to be a potential human health concern.
- Thirty soil samples had soluble or total lead concentrations exceeding hazardous waste criteria.
- Total petroleum hydrocarbons were not detected in any of the soil samples analyzed, and are not considered to be of concern.
- Three VOCs, including toluene, m,p-xylenes, and o-xylenes, were detected in one soil sample. All of the detections were below their respective screening levels, and are not considered to be of concern.
- PCBs were not detected in any of the samples analyzed, and are not considered to be of concern.
- Several OCPs were detected in one or more soil samples. All of the OCP detections were below the respective screening levels, and are not considered to be of concern.

The investigation identified soil that was hazardous based on lead impacts. LAUSD policy is that hazardous waste should 1) be removed as soon as possible if an exposure pathway exists; 2) be removed at the first reasonable opportunity if no exposure pathway exists; or 3) be protected by an engineering control to prevent exposure. Three areas with lead-impacted soil are currently overlain by buildings or pavement, which act as engineering controls to prevent direct exposure to soil. Four additional areas are partially overlain by landscaped areas. LAUSD has placed a geotextile overlain by a layer of mulch over the landscaped areas as an interim engineering control until the soil can be removed as part of the CMP. The Site is considered to be in compliance with LAUSD policy with respect to hazardous soil at this time.

A plan was developed for the removal and off-site disposal of approximately 378 cubic yards of lead-impacted hazardous soil from seven areas of the site as part of the comprehensive modernization project. The locations of the proposed soil removals are shown in Figures 8 to 14. The estimated cost of the soil removal is \$305,000. The estimated 95% upper confidence limit of the mean for lead after removal of the hazardous soil is 30.4 milligrams per kilogram, which is well below the human health-based screening level of 80 milligrams per kilogram.

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## 1.0 INTRODUCTION

Tetra Tech, Inc. (Tetra Tech) was contracted by Los Angeles Unified School District (LAUSD) Office of Environmental Health & Safety to prepare a Preliminary Endangerment Assessment Equivalent (PEA-E) for Belvedere Middle School (the Site), located at 312 Record Avenue, Los Angeles, California (Figure 1). The PEA-E was conducted in support of a Comprehensive Modernization Project (CMP) for the school, which includes the following:

- The demolition of Classroom Building 1, Academic Building, Shop Building, Administrative Building, Home Economics Building, Physical Education Building, Classroom Building 2 (Math Building), Storage Building 2, Utility Building, and one portable classroom building (Building AA-1184) to construct new facilities including three new permanent buildings to support the educational program.
- The repair, upgrade, or replacement of the remaining permanent buildings to address the failing or broken building systems, infrastructure, or components.
- Improvements to interior conditions of classroom buildings such as: painting, flooring, and window treatments.
- Upgrades to the Site infrastructure, including sanitary sewer, water, and electrical utility.
- Side-wide upgrades to remove identified and prioritized barriers to program accessibility.
- Improvements to landscape, hardscape, and exterior paint.

The PEA-E is intended to evaluate Recognized Environmental Conditions at selected locations within the CMP footprint, as identified in a Phase I Environmental Site Assessment (ESA) conducted in 2017 (Tetra Tech, 2017). The objective of the PEA-E was to identify whether any environmental issues will need to be mitigated prior to or during the modernization project.

The PEA-E scope of work consisted of the following:

- Preparation and distribution of a fieldwork notice in English and Spanish.
- Performing utility clearance, including notification to Underground Service Alert and conducting a geophysical survey prior to performing intrusive fieldwork.
- Preparation of a site-specific Health and Safety Plan (HASP).
- Drilling and sampling 42 primary soil borings (SB-1 through SB-42) to depths ranging from 2.5 to 10 feet below ground surface (bgs).
- Analyzing soil samples from the primary borings for California Title 22 Metals, arsenic, and thallium (metals), soluble lead, organochlorine pesticides (OCPs), total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs) as indicated in LAUSD's Scope of Services.
- Performing step-out sampling to characterize impacts, if necessary.
- Conducting a human health screening evaluation based on the results of the field investigation.
- Preparation of this PEA-E report.

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## 2.0 SITE DESCRIPTION AND BACKGROUND

This section provides a brief description of the Site, the physical setting of the Site, and previous work performed at the Site.

### 2.1 SITE LOCATION

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Belvedere Middle School is located at 312 North Record Avenue, Los Angeles, California 90063 (Figure 2). According to the Phase I ESA (Tetra Tech, 2017), historic addresses of 300 and 320 North Record Avenue were also associated with the school. The Site consists of two parcels of land, identified as Los Angeles County Assessor's Parcel Numbers (APNs) 5233-011-900 and 5233-012-912.

#### 2.1.1 Site Description and Background

The Site is currently owned by the LAUSD and developed as Belvedere Middle School, an approximately 12.1-acre site with fifteen permanent buildings, six relocatable classroom buildings, athletic field, and associated paved driveways, parking areas, and landscaping.

Historically, the Site was largely developed with residential dwellings by the early 1920s. In addition, a road bisected the Site from north to south. By 1928, the residential dwellings on the western portion of the Site (west of the road) were developed with school buildings as a part of Belvedere Junior High School, and residential dwellings remained east of the road. By 1948, the road that bisected the Site was no longer present and by 1964, the remaining on-Site residential properties were demolished for expansion of the Belvedere Junior High School property, including athletic fields and additional school-related buildings.

#### 2.1.2 Adjacent Properties

East Cesar E Chavez Avenue abuts the Site to the north, followed by various commercial business including retail stores and restaurants. Michigan Avenue abuts the Site to the south, followed by residential properties. Adjacent to the east of the Site are residential properties. North Record Avenue abuts the Site to the west, followed by residential properties.

Historically, the adjoining properties appeared to largely be residential dwellings as early as the 1920s with the adjoining properties fully developed for residential and commercial use by the 1930s.

### 2.2 PHYSICAL SETTING

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The following subsections describe the physical setting of the Site.

#### 2.2.1 Topographic Setting

The Site is located within the Los Angeles, California 7.5-minute quadrangle (United States Geological Survey, 2018), in Section 31, Township 1 South, Range 12 West, San Bernardino Baseline and Meridian. Based on the topographic map, the Site is located at an elevation of approximately 310 feet above mean sea level. The topography in the immediate vicinity of the Site slopes generally to the east-southeast.

#### 2.2.2 Geologic Setting

The Site is located in the Los Angeles Basin, a structurally-complex Miocene-age depositional basin which encompasses the entire Los Angeles physiographic basin, as well as the Santa Monica Mountains, San Fernando Valley, San Gabriel Valley, the southern foothills of the San Gabriel Mountains, much of the northern Santa Ana Mountains, and the San Joaquin and Palos Verdes Hills (Yerkes et al, 1965). Crystalline basement rocks are



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exposed in the eastern portion of the Santa Monica Mountains and the Verdugo Mountains. Superjacent rocks, comprised of Late Cretaceous to Pleistocene marine clastics and middle Miocene volcanics, attain a thickness of up to 14,500 feet in the eastern Santa Monica Mountains. The Miocene superjacent rocks are overlain by Pleistocene- to Recent-age alluvial deposits. Geologic mapping (Diblee and Ehrenspeck, 1989), shows the Site as located on Pleistocene-age older alluvium. Pliocene-age marine claystones of the Fernando formation are exposed in the Repetto Hills roughly 2,000 feet north of the Site.

### 2.2.3 Hydrogeologic Setting

The Site is located within the Central Subbasin of the Coastal Plain of Los Angeles Groundwater Basin (Basin No. 4.11-04; California Department of Water Resources [DWR], 2004). The Central Subbasin is bounded to the north by a surface divide referred to as the La Brea high; to the northeast and east by less permeable Tertiary-age rocks of the Elysian, Repetto, Merced, and Puente Hills; to the southeast by Coyote Creek, a regional drainage province boundary; and to the southwest by the Newport-Inglewood fault zone. The Central Subbasin has historically been subdivided into forebay and pressure areas; the Site is located within the Los Angeles forebay, which is northernmost of the two forebay areas. Pleistocene- and Holocene-age sediments extend to depths of up to 1,600 feet in the Los Angeles Forebay.

The principal water-producing units of the Central Subbasin are contained within the Holocene alluvium and Pleistocene-age sediments of the Lakewood and San Pedro formations. The principal aquifers underlying the Site vicinity include the Exposition and Gage aquifers (Lakewood formation), and the Jefferson, Lynwood, Silverado, and Sunnyside aquifers (San Pedro formation) (DWR, 1961).

The California State Water Resources Control Board (SWRCB) GeoTracker was reviewed for information on depth to groundwater in the Site vicinity. Cesar Rowan, LLC, located at 3560 Cesar E. Chavez Avenue (approximately 1,500 feet west of the Site) was listed as a recently closed Leaking Underground Storage Tank case. According to a Low Risk Case Closure Review form dated December 14, 2015, depth to groundwater was generally 81 to 85 feet below ground surface, with a groundwater flow direction generally to the southeast (SWRCB, 2017).

### 2.2.4 Surface Water

No surface water bodies are located at the Site. The nearest surface water bodies are Belvedere Park Lake, an artificial lake located approximately 1.3 miles east southeast of the Site; and the Los Angeles River, located approximately 2.6 miles west of the Site.

## 2.3 PREVIOUS WORK

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The following subsections summarize previous work performed at the Site.

### 2.3.1 Phase I Environmental Site Assessment (Tetra Tech, 2017)

Tetra Tech performed a Phase I ESA for the Site in 2017 (Tetra Tech, 2017). The Phase I ESA included a site reconnaissance, a review of historical aerial photographs and maps, interviews, and a regulatory agency database report review. In addition, a California Department of Education Existing Schools Checklist was completed as a part of the Phase I ESA.

Recognized Environmental Conditions (RECs) identified by the Phase I ESA include the following:

- An on-Site fuel bunker was observed on the south-central portion of Site, outside the east wall of the Shop building. Two 55-gallon drums of gasoline and one 55-gallon drum of diesel fuel were observed inside the concrete bunker. Areas of the floor within the fuel bunker were deteriorated; however, no leaks or stains were observed in the vicinity of the drums. During the Site reconnaissance, a strong petroleum

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odor was noted within the fuel bunker. There is a potential for releases of petroleum hydrocarbon and/or metals to the subsurface in the area of the fuel bunker.

- A boiler room associated with the historic heating/cooling of the Administration building was observed to contain older boiler equipment. No leaks, stains or odors were observed or detected in the vicinity of the older boiler room equipment. There is potential for significant petroleum hydrocarbon use associated with the operation of the historic boiler room equipment.
- A clarifier was observed on the southwestern portion of the Site, south of the South Classroom building. No stains or odors were observed or detected in the vicinity of the clarifier. The clarifier was reportedly associated with the pottery/arts classroom in the South Classroom building and is no longer utilized. There is potential for subsurface petroleum hydrocarbons and/or metals contamination associated with the use of the historic use of the clarifier.
- There is potential for the presence of lead-contaminated soils in the vicinity of the Site buildings (historic and current) associated with the potential use of lead-based paint in the buildings.
- There is potential for the presence of OCP-contaminated soils in the vicinity of the on-Site buildings (historic and current) associated with the historic practice of applying OCPs at wood building foundations for termite control.
- There is potential for the presence of arsenic-contaminated soils beneath paved areas of the Site associated with the historic practice of applying herbicides containing arsenic prior to paving.

The Phase I ESA recommendations were to conduct a PEA-E in order to address the RECs identified during the Phase I ESA. The PEA-E should sampling, analysis, and evaluation of on-Site subsurface soil to determine the presence or absence of chemicals of concern, including petroleum hydrocarbons, VOCs, metals including lead and arsenic, OCPs, and PCBs, as appropriate, to address the RECs identified.

### 2.3.2 Soil Sampling (Terraphase Engineering, 2018)

Terraphase Engineering performed soil sampling at the Site in November 2017 to characterize soils that may be disturbed during development activities (Terraphase, 2018). Sampling was performed at 35 locations, primarily in the playground and athletic field area; to the west of the Utility and Shop buildings; to the north and east of the Choral Music and All Purpose buildings; and in the parking area adjacent to Michigan Avenue. Soil samples were generally collected at depths of 0-0.5 feet bgs, 1.0 to 1.5 feet bgs, and 2.0 to 2.5 feet bgs. The soil samples were analyzed for metals, TPH, and OCPs; selected samples were also analyzed for PCBs, soluble lead, and soluble OCPs.

The results of the investigation were as follows:

- Metals: Metals concentrations were below soil screening levels, with the following exceptions:
  - Cobalt concentrations in two samples exceeded the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) of 23 milligrams per kilogram (mg/kg).
  - Lead concentrations in two samples exceeded the California Department of Toxic Substances Control (DTSC) HHRA Note 3 Screening Level (DTSC-SL) of 80 mg/kg (DTSC, 2019). Lead concentrations in eight samples also exceeded 50 mg/kg (ten times the Soluble Threshold Limit Concentration [STLC] of 5 milligrams per liter [mg/L]), and were analyzed for soluble lead. The soluble lead results indicated that all samples were non-hazardous.
  - Thallium concentrations in one sample exceeded the RSL of 0.78 mg/kg.
- TPH: All concentrations were below the RSLs for aliphatic and aromatic petroleum hydrocarbons.
- OCPs: OCP concentrations in all samples were below soil screening levels. The 4,4'-DDE concentration in one sample was 1.0 mg/kg, which is equal to the ten times the STLC of 0.1 mg/L. Terraphase analyzed this sample for soluble 4,4'-DDE; soluble 4,4'-DDE was not detected.

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- PCBs: PCBs were not detected in any of the soil samples.

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## 3.0 STATEMENT OF PROBLEM

The following sections outline the purpose of the PEA-E data collection, and screening levels that will be used to evaluate the collected data.

### 3.1 PROBLEM STATEMENT

The planned CMP will involve excavation of soil at various locations throughout the Site. This soil may be impacted by metals (including lead and arsenic), OCPs, PCBs, VOCs, and TPH due to past uses of hazardous materials at specific features, such as the fuel bunker, boiler room, and clarifier; or due to past practices at the Site, including the use of lead-based paint, termiticides, and arsenic-containing herbicides. The data collected during the PEA-E will allow evaluation of the potential effects of exposure to soil on students, faculty, and construction workers, both during and after implementation of the CMP. This evaluation will consist of comparing the concentrations of chemicals detected in soil to conservative screening levels which represent concentrations protective of human health and the environment.

### 3.2 SCREENING LEVELS

Screening levels for soil used at school sites within the LAUSD are as follows:

- Metals other than arsenic and lead, VOCs, OCPs, and PCBs: USEPA Region 9 RSLs for residential land use (USEPA, 2019), or DTSC-SLs for residential land use (DTSC, 2019).
- Arsenic: 12 mg/kg, the upper limit of background arsenic concentrations in Southern California (Chernoff et al., undated). Outlier values of up to twice the background level (24 mg/kg) are acceptable, providing that the 95% upper confidence limit of the mean (95% UCL) for the entire Site is less than 12 mg/kg.
- Lead: 95% UCL for the entire Site is less than the DTSC-SL of 80 mg/kg, and soil is not a hazardous waste.
- Total Petroleum Hydrocarbons: SWRCB Low-Threat Underground Storage Tank Case Closure Policy (SWRCB, 2012).

The above screening levels are summarized in Table 1. For metals, VOCs, OCPs, and PCBs, Table 1 provides RSLs and DTSC-SLs for a target cancer risk of one-in-a-million ( $10^{-6}$ ) and for a target hazard quotient of 1.0. For compounds with more one available screening level, the lowest value was selected for use.

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## 4.0 FIELD INVESTIGATION

The field investigation was conducted over three mobilizations: an initial mobilization performed from April 16 to 18, 2019, which included drilling and sampling 42 primary soil borings; a second mobilization performed on August 1 and 2, 2019, which included drilling and sampling 29 step-out borings to characterize lead impacts identified during the initial mobilization; and a third mobilization performed on October 9, 2019, which included drilling and sampling 13 additional step-out borings to further characterize lead impacts. The following subsections summarize the methodology used for the field investigation.

### 4.1 FIELD ACTIVITIES

The following subsections describe the procedures used for collecting soil samples in the field. Photographs taken during field work are provided in Appendix A.

#### 4.1.1 Work Notice

Tetra Tech prepared a Work Notice in English and Spanish, which was distributed to line-of-sight properties, school faculty, and posted on each side of the school property. A copy of the Work Notice is provided in Appendix B.

#### 4.1.2 Utility Clearance

Prior to conducting field work, Tetra Tech met with LAUSD representatives at the Site to inspect and finalize the soil boring locations. The boring locations and outside perimeter of the Site were then marked in the field with white paint, and Underground Service Alert was notified three working days prior to performing intrusive activities. In addition, a surface geophysical survey was performed at each boring location using electromagnetic utility locating instruments and ground penetrating radar. The geophysical surveys were performed by Pacific Coast Locators, Inc. under subcontract to Tetra Tech.

#### 4.1.3 Asphalt/Concrete Coring

All soil borings located on paved surfaces were cored using an electric core drill. Concrete coring was performed by Strongarm Environmental Field Services, Inc. under subcontract to Tetra Tech.

#### 4.1.4 Drilling and Soil Sampling

The following subsections describe the procedures used for collecting soil samples.

##### 4.1.4.1 Hand Auger Soil Borings

A total of 81 hand auger borings (39 primary borings and 42 step-out borings) were drilled to depths of up to 2.5 feet below ground surface during the field investigation. Drilling was performed by Strongarm Environmental Field Services, Inc. under subcontract to Tetra Tech. Drilling was observed by Tetra Tech personnel working under the direct supervision of a California-licensed Professional Geologist. The soil boring locations are shown on Figures 2 and 3.

Soil samples were collected during drilling directly from the hand auger bucket, and were placed in 4-ounce glass jars provided by the laboratory. The jars were then labeled, placed in plastic ziplock-type bags, and stored on ice in an ice chest pending delivery to the laboratory under chain-of-custody protocol.

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#### 4.1.4.2 Direct-Push Soil Borings

Three soil borings (SB-40, SB-41, and SB-42) were drilled to a depth of 10 feet bgs using a truck-mounted direct-push drill rig. Drilling was performed by Strongarm Environmental Services, Inc., a California C-57 licensed drilling contractor. Drilling was observed by Tetra Tech personnel working under the direct supervision of a California-licensed Professional Geologist. The soil boring locations are shown on Figures 2 and 3.

Soil samples were collected continuously during drilling using a Geoprobe dual-tube sampling system. The dual-tube sampling system consists of a steel outer drive casing and drive shoe, and a separate inner core liner. Soil samples are collected by simultaneously advancing the drive casing and core liner through the soil column. The samples are retrieved to the surface by removing the core liner while leaving the drive casing in place, which prevents the borehole from collapsing. Additional samples are collected by inserting a new liner into the drive casing and repeating the above procedure.

After retrieval from the borehole, the liners were cut to remove six-inch sections of the liner and soil core at the depth intervals designated for laboratory analysis. At depth intervals designated for TPH and VOC analysis, 5-gram subsamples of soil were collected from the liners using Terracore samplers and placed in preweighed volatile organic analysis vials containing sodium bisulfite or methanol, in accordance with USEPA Method 5035 sample preservation methods. The ends of the liner sections were then covered with Teflon sheets and capped with plastic caps. The samples were then labeled, placed in plastic ziplock-type bags, and stored on ice in an ice chest pending delivery to the laboratory under chain-of-custody protocol.

#### 4.1.5 Lithologic Logging

The soil borings were logged during drilling in general accordance with the Unified Soil Classification System (ASTM International [ASTM] Standard D2287-06; ASTM, 2017a), using the Visual Manual Method (ASTM Standard D2488-06; ASTM, 2017b). Logging was performed by Tetra Tech personnel working under the direct supervision of a California-licensed Professional Geologist. Copies of the boring logs are provided in Appendix C.

#### 4.1.6 Field Headspace Screening

Soil samples were screened for the presence of volatile organics by placing a small amount of soil in a ziplock-type bag, allowing the bag to set for approximately 15 minutes, and then inserting the probe of a photoionization detector (PID) into the bag headspace. The maximum PID reading was then recorded on the field boring log.

#### 4.1.7 Equipment Decontamination

During the initial mobilization, equipment was decontaminated between samples by washing with a non-phosphate detergent, followed by two rinses with potable water and a final rinse with distilled water. The water used for decontamination was collected and temporarily stored in a labeled 55-gallon United States Department of Transportation (DOT)-approved drum pending waste characterization and offsite disposal. During the second and third mobilizations, the hand auger was cleaned between samples by wiping off visible soil with paper towels, spraying with Simple Green, and final wiping with paper towels.

#### 4.1.8 Borehole Abandonment

After soil sampling was completed, each borehole was backfilled with soil cuttings, which were compacted by hand-tamping. If necessary, the remainder of the borehole was backfilled with clean sand. If the ground surface was unpaved, the sand extended to the ground surface; if the ground surface was paved, the sand extended to a depth of approximately three inches below surface grade. Borings in paved areas were capped at the surface with concrete to match the surrounding grade, and if necessary, dyed to match the surrounding surface material.

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## 4.2 LABORATORY ANALYSIS

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The soil samples collected during the field investigation were submitted to American Environmental Testing Laboratory, Inc., a California State Water Resources Control Board-certified laboratory, for analysis. The samples were analyzed for one or more of the following:

- Metals (USEPA Method 6010B/7471A))
- Arsenic and thallium (USEPA Method 6020)
- TPH (USEPA Method 8015 modified)
- VOCs (USEPA Method 8260B)
- PCBs (USEPA Method 8082)
- OCPs (USEPA Method 8081A)
- Soluble Lead (Waste Extraction Test [WET] or Toxicity Characteristic Leaching Procedure [TCLP])

Copies of the laboratory reports are provided in Appendix D.

## 4.3 INVESTIGATION-DERIVED WASTE

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Investigation-derived waste generated during the field work consisted of decontamination water generated during the initial mobilization in April 2019. The water was stored on-Site in a new 55-gallon DOT-approved drum labeled with the accumulation start date, contact information, and project name/address.

A sample from the drum was collected and analyzed for VOCs, TPH and metals for waste classification purposes. The drum was profiled as non-hazardous, and transported to Demenno Kerdoon in Compton, California for disposal. A copy of the manifest is in Appendix E.



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## 5.0 RESULTS

The results of the field investigation are presented in the following sections.

### 5.1 FUEL BUNKER ASSESSMENT

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One soil boring (SB-40) was drilled to a depth of 10 feet bgs adjacent to the fuel bunker area (Figure 2). Soil samples were collected at depths of 3, 5, and 9 feet bgs. The 3- and 5-foot samples were analyzed for metals, TPH, and VOCs. The 9-foot sample was placed on hold at the laboratory. Analytical results are summarized in Tables 2, 3, and 4, respectively, and include the following:

- Metals concentrations at depths of 3 and 5 feet bgs were below soil screening levels.
- TPH was not detected at depths of 3 and 5 feet bgs.
- VOCs were not detected in the soil sample collected at a depth of 3 feet bgs. Three VOCs (toluene, o-xylene, and m,p-xylenes) were detected at very low concentrations in the sample collected at a depth of 5 feet bgs. None of the VOC detections exceeded soil screening levels.

### 5.2 BOILER ROOM ASSESSMENT

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One soil boring (SB-41) was drilled to a depth of 10 feet bgs adjacent to the boiler room (Figure 2). Soil samples were collected at depths of 3, 5, and 9 feet bgs. The 3-, 5-, and 9-foot samples and were analyzed for metals, TPH, and VOCs. Analytical results are summarized in Tables 2, 3, and 4, respectively, and include the following:

- Metals concentrations at depths of 3, 5, and 9 feet bgs were below soil screening levels.
- TPH was not detected at depths of 3, 5, and 9 feet bgs.
- VOCs were not detected at depths of 3, 5, and 9 feet bgs.

### 5.3 CLARIFIER ASSESSMENT

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One soil boring (SB-42) was drilled to a depth of 10 feet bgs adjacent to the clarifier south of Classroom Building 1 (Figure 2). Soil samples were collected at depths of 3, 5 and 9 feet bgs, and were analyzed for metals, TPH, and VOCs. The 3- and 5-foot samples were also analyzed for OCPs, and the 3-foot sample was also analyzed for PCBs. Analytical results are summarized in Tables 2, 3, 4, 5, and 6, respectively, and include the following:

- Metals concentrations at depths of 3 and 5 feet bgs were below soil screening levels.
- TPH was not detected at depths of 3 and 5 feet bgs.
- VOCs were not detected at depths of 3 and 5 feet bgs.
- Three OCPs (total Chlordane,  $\alpha$ -Chlordane and  $\gamma$ -Chlordane) were detected at a depth of 3 feet bgs. OCPs were not detected at a depth of 5 feet bgs. The OCP detections were all below soil screening levels.
- PCBs were not detected at a depth of 3 feet bgs.

### 5.4 LEAD-BASED PAINT, TERMITICIDE, AND ARSENIC-CONTAINING HERBICIDE ASSESSMENT

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39 primary soil borings (SB-1 to SB-39) were drilled to assess lead, OCPs, and arsenic in shallow soils adjacent to existing buildings. The primary soil boring locations are shown on Figure 2. Soil samples were collected at depths of 0 to 0.5, 1.0 to 1.5, and 2.0 to 2.5 feet bgs, and were analyzed for metals, arsenic, thallium, and OCPs.

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Selected samples were also analyzed for PCBs. Analytical results are summarized in Tables 2, 5, and 6, and include the following:

- Several OCPs were detected in one or more soil samples, including total Chlordane,  $\alpha$ -Chlordane,  $\gamma$ -Chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endrin, and Heptachlor epoxide. All of the OCP detections were below the respective screening levels.
- PCBs were not detected in any of the samples analyzed.
- With the exception of arsenic and lead, the concentrations of all metals were below soil screening levels.
- One sample (SB-3-0.5) had an arsenic concentration of 18 mg/kg. All of the remaining samples had arsenic concentrations below the Southern California background-based screening level of 12 mg/kg.
- Lead was detected at concentrations equal to or exceeding the soil screening level of 80 mg/kg in 7 samples, including SB-05-0.5, SB-18-0.5, SB-20-2.0, SB-23-1.0, SB-31-1.0, SB-34-0.5, and SB-34-1.0.

In addition to evaluating the lead data against the soil screening level, twelve soil samples had lead concentrations exceeding 50 mg/kg, a criterion used to evaluate whether soil could potentially be a hazardous waste. These samples were further analyzed for soluble lead using the WET method to evaluate whether this soil would be classified as a California hazardous waste. The soluble lead results are summarized in Table 7. Of the 12 samples analyzed, 7 were found to have soluble lead concentrations exceeding the California hazardous waste criterion of 5 mg/L, including SB-19-0.5, SB-20-1.0, SB-20-2.0, SB-22-0.5, SB-23-1.0, SB-33-0.5, and SB-34-0.5. Based on the total and soluble lead data, eight areas of concern (AOCs) were identified at the Site, as follows:

- AOC 1: area surrounding primary boring SB-20
- AOC 2: area surrounding primary boring SB-22
- AOC-3: area surrounding primary boring SB-23
- AOC 4: area surrounding primary boring SB-19
- AOC 5: area surrounding primary boring SB-18
- AOC 6: area surrounding primary borings SB-31 and SB-34
- AOC 7: area surrounding primary boring SB-33
- AOC 8: area surrounding primary boring SB-05

The locations of the 8 AOCs are shown in Figure 3.

Two rounds of step-out sampling were performed to further characterize soil with total lead concentrations exceeding the screening level of 80 mg/kg, soluble lead concentrations (using the WET method) exceeding the California hazardous waste criterion of 5 mg/L, or soluble lead concentrations (using the TCLP method) exceeding the Federal hazardous waste criterion of 5 mg/L. The step-out sampling included drilling and sampling 42 additional soil borings. The step-out boring locations are shown in Figure 3, Figure 4 (AOC 1, AOC 2, and AOC 3), Figure 5 (AOC 4 and AOC 5), Figure 6 (AOC 6 and AOC 7), and Figure 7 (AOC 8).

The results of the step-out sampling are presented in Table 2 (total lead) and Table 7 (soluble lead), and include the following:

- One sample (SB-20-E-0.5, located in AOC 1) had a total lead concentration of 2,620 mg/kg, which exceeds the California Total Threshold Limit Concentration of 1,000 mg/kg, and a soluble lead concentration (using the TCLP method) of 32.2 mg/L, which exceeds the Federal hazardous waste criterion of 5 mg/L.
- Twenty-two additional samples had soluble lead concentrations (using the WET method) which exceed the California hazardous waste criterion of 5 mg/L.
- Twenty-six additional samples had total lead concentrations exceeding the screening level of 80 mg/kg.

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## 5.5 EVALUATION OF SCREENING LEVEL EXCEEDANCES

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The following subsections provide summarize additional evaluations of the screening level exceedances for arsenic and lead.

### 5.5.1 Arsenic

Sample SB-3-0.5 had an arsenic concentration of 18 mg/kg, which exceeds the screening level of 12 mg/kg. The exceedance was less than twice the screening level, so the 95% upper confidence limit of the mean (95% UCL) was estimated to evaluate whether average arsenic concentrations at the Site are below the screening level. The 95% UCL was estimated using ProUCL (USEPA, 2015), a statistical analysis software package developed by the USEPA. For the purpose of estimating the 95% UCL, non-detect values were assigned a concentration of one-half of the laboratory reporting limit. The ProUCL analysis found that the data were not parametrically distributed, and recommended a 95% UCL value of 3.3 mg/kg; a copy of the ProUCL output file is provided in Appendix F. Because the highest arsenic concentration at the Site is less than twice the screening level, and the Sitewide 95% UCL value is less than the screening level of 12 mg/kg, arsenic concentrations are considered to be acceptable.

### 5.5.2 Lead

Total lead concentrations at the Site were also evaluated by estimating the Sitewide 95% UCL value using ProUCL. The ProUCL analysis found that the lead data were not parametrically distributed, and recommended a 95% UCL value of 89 mg/kg, which exceeds the screening level of 80 mg/kg. A copy of the ProUCL output file is provided in Appendix F. The Sitewide screening level exceedance is driven primarily by one sample with a lead concentration of 2,620 mg/kg. If this sample is excluded, the Sitewide 95% UCL value estimated using ProUCL is 47 mg/kg (Appendix F).

### 5.5.3 Interim Engineering Controls

LAUSD policy with respect to hazardous soil is that soil designated as California hazardous or Federal hazardous waste should 1) be removed as soon as possible if an exposure pathway exists; 2) be removed at the first reasonable opportunity if no exposure pathway exists; or 3) be protected by an engineering control to prevent exposure. AOC 1, AOC 2, and AOC 3 (Figure 4) are currently overlain by buildings or pavement, which act as engineering controls to prevent direct exposure to soil. AOC 4, AOC 5, AOC 6, and AOC 7 (Figures 5 and 6) at least partially overlain by landscaped areas, where exposure is theoretically possible. To reduce the likelihood of exposure to hazardous lead-impacted soil, LAUSD has placed a geotextile material overlain by a 3-inch layer of mulch over the landscaped areas in AOC 4, AOC 5, AOC 6, and AOC 7. Photographs showing geotextile and mulch placed in AOC 5 and AOC 6 are provided in Appendix A. The geotextile and mulch act as an interim engineering control by preventing direct contact with impacted soil until the soil can be removed as part of the CMP. The Site is therefore considered to be compliant with LAUSD policy with respect to hazardous soil at this time.

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## 6.0 CONCLUSIONS AND RECOMMENDATIONS

The following sections summarize the conclusions and recommendations of the PEA-E.

### 6.1 CONCLUSIONS

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The conclusions of this PEA-E are as follows:

- No significant environmental impacts were found in the fuel bunker, boiler room, and clarifier areas.
- Several OCPs were detected in one or more soil samples, including total Chlordane,  $\alpha$ -Chlordane,  $\gamma$ -Chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endrin, and Heptachlor epoxide. All of the OCP detections were below the respective screening levels, and are not considered to be of concern.
- PCBs were not detected in any of the samples analyzed, and are not considered to be of concern.
- With the exception of arsenic and lead, metals concentrations were below soil screening levels and are not considered to be of concern.
- One sample had an arsenic concentration exceeding the Southern California background-based screening level; however, the Sitewide 95% UCL arsenic concentration is less than the screening level. Arsenic concentrations are not considered to be of concern.
- Thirty-four soil samples had total lead concentrations greater than the screening level of 80 mg/kg, and the Sitewide 95% UCL lead concentration of 89.1 mg/kg exceeds the screening level. Total lead concentrations at the Site are considered to be a potential human health concern.
- The Site is currently in compliance with LAUSD policy with respect to hazardous soil.

### 6.2 RECOMMENDATIONS

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Tetra Tech's recommendations are as follows:

- No further assessment is recommended at this time.
- The upcoming Comprehensive Modernization Project provides an opportunity to remove hazardous soil from the Site. It is anticipated that removal of the hazardous soil will also reduce total lead concentrations in soil to levels below the screening level of 80 mg/kg. A Soil Removal Plan is provided in Section 7 of this report.

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## 7.0 SOIL REMOVAL PLAN

This section provides a plan for the removal of lead-impacted hazardous soil. This plan assumes that the soil excavation, waste characterization and profiling, and soil disposal activities will be performed by a qualified Remediation Contractor; and that the excavation layout, utility clearance, soil sampling, and reporting will be performed by a qualified Environmental Consultant. The Remediation Contractor shall be responsible for providing the Environmental Consultant with copies of disposal manifests, weight tickets, and other documentation necessary to complete a Remedial Action Completion Report (RACR) for the soil removal.

### 7.1 PROPOSED SOIL REMOVAL AREAS

Seven shallow excavations are proposed to remove soil with soluble lead concentrations exceeding California or Federal hazardous waste criteria at AOC 1 to AOC 7. The soil at AOC 8 is not hazardous, and will not be excavated. The excavations are shown in Figures 8 to 14, and include the following:

- **AOC 1** (Figure 8): AOC 1 is located north of the Utility Building (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in primary boring SB-20 at depths of 1.0 and 2.0 feet bgs, and in step-out boring SB-20E at depths of 1.0 and 2.0 feet bgs. The extent of the excavation is defined to the north by step-out boring SB-20N; to the west by step-out boring SB-20W; to the east by step-out boring SB-20A-E; and to the south by the existing Utility Building, which will remain in place. The proposed excavation has a footprint of approximately 490 square feet, and soil will be removed to a depth of approximately 3 feet bgs. The excavation volume is estimated to be 54 cubic yards. Based on the soluble lead testing results, the excavated soil will be disposed as California hazardous waste.
- **AOC 2** (Figure 9): AOC 2 is located west of the Utility Building (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in primary boring SB-22 at a depth of 0.5 feet bgs. The extent of the excavation is defined to the north by step-out boring SB-22-N; to the east by step-out boring SB-22-E; to the south by step-out boring SB-22-S; and to the west by the Utility Building loading platform, which will remain in place. The proposed excavation has a footprint of approximately 220 square feet, and soil will be removed to a depth of 1.0 foot bgs. The excavation volume is estimated to be 8.1 cubic yards. Based on the soluble lead testing results, the excavated soil will be disposed as California hazardous waste.
- **AOC 3** (Figure 10): AOC 3 is located south of the Utility Building (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in primary boring SB-23 at a depth of 1.0 feet bgs, and soil with hazardous concentrations of total and soluble lead in boring SB-23-E at a depth of 0.5 feet bgs. The extent of the excavation is defined to the north by the Utility Building, which will remain in place, and by boring SB-22-S; to the east by step-out boring SB-23A-E; to the west by step-out boring SB-23-W; and to the south by step-out boring SB-22-S. The proposed excavation has an overall footprint of approximately 360 square feet. Soil will be removed to a depth of approximately 1.0 foot bgs over a 10- by 15-foot area (150 square feet) on the eastern side of the excavation, and to a depth of 2.0 feet bgs over a 10- by 21-foot area (210 square feet) on the western side of the excavation. The total excavation volume is estimated to be 21.1 cubic yards. Based on the soluble lead testing results, approximately 13.7 cubic yards of soil from the eastern side of the excavation (east of boring SB-23) will be disposed as Federal hazardous waste, and approximately 7.4 cubic yards of soil on the western side of the excavation (west of SB-23) will be disposed as California hazardous waste.
- **AOC 4** (Figure 11): AOC 4 is located west of the Academic Building (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in primary boring SB-19 at a depth of 0.5 feet bgs, and in step-out boring SB-19-N at a depth of 0.5 feet bgs. The extent of the excavation is defined to the north by boring SB-19A-N; to the east by the Academic Building, which will

remain in place; to the west by the Site property line; and to the south by boring SB-19-S. The proposed excavation has a footprint of approximately 380 square feet, and soil will be removed to a depth of approximately one foot bgs. The excavation volume is estimated to be 14 cubic yards. Based on the soluble lead testing results, the excavated soil will be disposed as California hazardous waste.

- **AOC 5** (Figure 12): AOC 5 is located south of the Academic Building (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in step-out boring SB-18-N at depths of 0.5 and 1.0 feet; in step-out boring SB-18-E at a depth of 1.0 feet bgs; and in step-out boring SB-18-W a depth of 0.5 feet bgs. The extent of the excavation is defined by the Academic Building to the north; by step-out boring SB-18A-E to the east; by step-out boring SB-18A-W to the west, and by the Classroom Building stairway and step-out boring SB-18-S to the south. The proposed excavation has an overall footprint of approximately 740 square feet. Soil will be removed to a depth of approximately 2.0 feet bgs over a 520 square foot area in the eastern portion of the excavation footprint, and to a depth of approximately 1.0 feet bgs over the remaining 220 square feet of the excavation footprint. The total excavation volume is estimated to be 66 cubic yards. Based on the soluble lead testing results, the excavated soil will be disposed as California hazardous waste.
- **AOC 6** (Figure 13): AOC 6 is located on the southern side of the Classroom Building (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in primary boring SB-34 at a depth of 0.5 feet bgs; in step-out boring SB-34-N at a depth of 0.5 feet bgs; in step-out boring SB-34-W at a depth of 1.0 feet bgs; in step-out boring SB-34A-NW at a depth of 0.5 feet bgs; in step-out boring SB-31-W at depths of 0.5 and 1.0 feet bgs, in step-out boring SB-31-N at a depth of 1.0 foot bgs, and in step out boring SB-31-SW at depths of 1.0 and 2.0 feet bgs. The proposed excavation has an overall footprint of approximately 1,520 square feet. Soil will be removed to a depth of 3.0 feet bgs over a 330 square foot area in the eastern portion of the excavation footprint; to a depth of 2.0 feet bgs over an 800 square foot area in the southwestern and northeastern portion of the excavation footprint, and to a depth of 1.0 feet bgs over a 390 square foot area in the eastern portion of the excavation. The total excavation volume is estimated to be 110 cubic yards. Based on the soluble lead testing results, the excavated soil will be disposed as California hazardous waste.
- **AOC 7** (Figure 14): AOC 7 is located south of Building AA-1184 and east of the Greenhouse and Saran House buildings (Figure 3). The excavation in this area addresses soil with hazardous concentrations of soluble lead found in primary boring SB-33 at a depth of 0.5 feet bgs; in step-out boring SB-33-E at a depth of 0.5 feet bgs; in step-out boring SB-33-W at a depth of 0.5 feet bgs; in step-out boring SB-33-S at a depth of 0.5 feet bgs; in step-out boring SB-33A-E at a depth of 1.0 feet bgs, and in step-out boring SB-33B-S at a depth of 1.0 feet bgs. The extent of the excavation is defined to the north by Building AA-1184, which is to remain in place; to the east by step-out boring SB-33B-E; and to the west by step-out boring SB-33A-W. The extent of the excavation is not defined to the south, and field confirmation sampling is recommended in this area to ensure that the soil removal is adequate. The proposed excavation has an overall footprint of 1,730 square feet. Soil will be removed to a depth of 1.0 feet bgs in a 280 square foot area in the northwestern corner of the excavation footprint, and will be removed to a depth of 2.0 feet bgs over the remaining 1,450 square feet of the excavation footprint. The total excavation volume is estimated to be 118 cubic yards. Based on the soluble lead testing results, the excavated soil will be disposed as California hazardous waste.

Estimated excavation volumes are summarized in the following table:

Area of Concern	Excavation Volume (cubic yards)
AOC 1	54
AOC 2	8.1
AOC 3	21



Area of Concern	Excavation Volume (cubic yards)
AOC 4	14
AOC 5	66
AOC 6	110
AOC 7	118
<b>Total Volume</b>	<b>391</b>

It is not known at this time whether buildings and other structures will be demolished prior to excavation of the impacted soil. If demolition is performed before the soil removals, the impacted areas will be marked out and covered with plywood sheets extending at least 5 feet beyond the excavation boundaries before demolition is performed. If demolition is performed after the soil removals, then the extent of the removals may be limited by the presence of structures such as building footings. Furthermore, at least one of the soil removals (AOC 4; Figure 11) will be performed adjacent to a public sidewalk. Work in this area will not extend beyond the school property.

## 7.2 PROPOSED SOIL SAMPLING

The Environmental Consultant will be responsible for performing soil sampling to document the soil removals.

### 7.2.1 Confirmation Samples

Soil samples will be collected from the sidewalls and bottom of each excavation to confirm that hazardous soil has been removed. Sidewall confirmation samples will be collected at a rate of approximately one sample per 20 linear feet of sidewall. Bottom samples will be collected at a rate of one sample per 400 square feet of bottom area, with at least one sample collected from the bottom of every excavation, regardless of area. Confirmation sampling locations for AOC 1 to AOC 7 are shown on Figures 8 to 14, respectively. The confirmation sampling locations assume that the excavations will not be limited by the presence of building footings or similar structures. Confirmation samples will not be collected at locations where the excavation extends to a footing.

Soil sampling will be performed by trained personnel working under the direct supervision of a California-licensed Professional Civil Engineer or Professional Geologist. Excavation sidewall and bottom confirmation samples will be analyzed for lead by USEPA Method 6010B. An excavation will be considered to be completed when the total lead concentrations in all sidewall and bottom samples are below 50 mg/kg, the lowest total lead concentration which could result in a sample being classified as a California hazardous waste. Confirmation samples with total lead concentrations exceeding 50 mg/kg may be acceptable if they are also analyzed for soluble lead using the WET; samples with total lead concentrations exceeding 100 mg/kg may be acceptable if they are additionally analyzed for soluble lead using the TCLP. In these cases, the soluble lead concentrations must be shown to be non-hazardous. Soil may also be left in place if it is located in an area which is not within the footprint of the Comprehensive Modernization Project and is capped by pavement or a building so that there is no likelihood of exposure to students or faculty.

### 7.2.2 Quality Assurance/Quality Control Samples

The following quality assurance/quality control samples will be collected and analyzed:

- **Field Duplicates:** Duplicate samples will be collected at a minimum rate of 10% (one duplicate per 10 normal samples). All duplicate samples will be analyzed for lead using USEPA Method 6010B.



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- **Equipment Blanks:** Equipment rinsate blank samples will be collected at a minimum rate of one per day to confirm that sampling equipment was adequately decontaminated during field work. All equipment blank samples will be analyzed for lead using USEPA Method 6010B.

## 7.3 EXCAVATION BACKFILL

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All excavations will be backfilled with either clean on-Site soil or clean imported soil, documented as acceptable in accordance with LAUSD Specification Section 01 4524, Environmental Import/Export Materials Testing (LAUSD, 2018).

## 7.4 WASTE MANAGEMENT, TRANSPORTATION, AND DISPOSAL

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Management practices for excavated soil will vary based on whether school is in session. Excavated soil will be containerized if school is in session during construction activities; otherwise, excavated soil may be stockpiled on visqueen and covered in accordance with South Coast Air Quality Management District (SCAQMD) protocols. Soil will be segregated as California hazardous waste and Federal hazardous waste based on the determinations indicated in Section 7.1.

Samples for waste characterization will be collected from containers or stockpiles, and will be composited by the analytical laboratory to obtain a representative sample. In addition to total and soluble lead analyses, the waste characterization samples will be analyzed for other constituents as required by the disposal facility.

The waste material shall be profiled and accepted by the disposal facility before the soil is transported off-Site for disposal. Based on the analytical results obtained as part of the PEA-E, soil impacted by soluble lead will be handled, transported, and disposed of as either California hazardous waste or as Federal hazardous waste, as appropriate. Soil will be transported to a properly licensed landfill facility for disposal. Final determination of the disposal facility will be subject to LAUSD and facility approval.

## 7.5 FIELD DOCUMENTATION

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The Environmental Consultant will be responsible for documenting field work. Documentation is to include the following:

- **Daily field logs:** Written field logs shall document work progress and where, when, how, and from whom project information was obtained. Each log shall be accurate and complete enough to allow reconstruction of field activities.
- **Photographs:** Photographs shall be used to document major field activities as they are completed.
- **Chain-of-custody records:** Sample collection and shipment to a California SWRCB-certified laboratory shall be documented using a chain-of-custody record. All sample shipments shall be accompanied by a chain-of-custody record.

## 7.6 OTHER ITEMS

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### 7.6.1 Health and Safety Plan

A Site-specific HASP will be prepared and maintained at the Site by the Remediation Contractor. The Remediation Contractor will maintain all plans, programs, training, and medical surveillance requirements for their personnel as appropriate under 29 Code of Federal Regulations (CFR) 1910 and 8 California Code of Regulations (CCR) 5192. Personnel performing work at the Site will be 40-hour health and safety trained in compliance with the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response standard, complete with 8-hour annual refresher, respirator fit testing, and other training

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and certifications required under 29 CFR 1910. Site personnel are responsible for operating in accordance with all applicable regulations of OSHA outlined in 8 CCR General Industry and Construction Safety Orders and 29 CFR 1910 and 29 CFR 1926, Construction Industry Standards, as well as other applicable federal, state and local laws and regulations. All personnel shall operate in compliance with California Division of Occupational Safety and Health requirements.

At a minimum, the HASP will include the following information:

- Identification and description of potentially hazardous substances that may be encountered during fieldwork activities.
- Personal protective equipment (PPE) and clothing required for the Site activities.
- Monitoring plan and action levels for upgrading PPE.
- Training on measures that may be implemented in the event of an emergency.

The Remediation Contractor will conduct a safety meeting with project personnel and subcontractors prior to commencing fieldwork each day. The meeting will cover potential physical, chemical, and biological hazards and outline measures to be taken in the event of an emergency.

## 7.6.2 Utility Clearance

Clearance of underground utility conflicts will be conducted prior to initiating intrusive activities. At a minimum, the utility clearance will include notifying Underground Service Alert at least 72 hours prior to the start of work and a Site visit. In addition, a geophysical survey or hand excavating to one foot below the intended excavation depth may be conducted as appropriate to clear the excavation locations.

## 7.6.3 SCAQMD Rule 1466 Compliance

Because the projected volume of soil to be excavated exceeds 50 cubic yards, SCAQMD Rule 1466 (Control of Particulate Emission from Soils with Toxic Air Contaminants) is applicable to the proposed soil removal activities. Compliance with the provisions of Rule 1466 includes ambient PM10 monitoring, dust control measures, notification, signage, and recordkeeping requirements. Rule 1466 allows for alternative dust control measures and ambient dust concentration limits, provided the provisions are pre-approved by the SCAQMD Executive Officer.

### 7.6.3.1 Air Monitoring

Soil excavation, handling, and loading operations shall be conducted in such a way as to reduce the amount of particulate matter entrained in the ambient air both in and out of the work zone. The Environmental Consultant will monitor dust levels upwind, within the exclusion zone, at up to 3 fence line/downwind locations, or as required by Rule 1466.

If dust levels exceed 10% of the California OSHA Permissible Exposure Limit (PEL) for lead of 0.05 milligrams per cubic meter ( $\text{mg}/\text{m}^3$ ) (*i.e.*  $0.005 \text{ mg}/\text{m}^3$ ), the Consultant shall direct the Contractor to employ more robust dust suppression measure. If dust levels reach the PEL, then work shall stop until the level is reduced to 10%.

### 7.6.3.2 Meteorological Monitoring

Onsite ambient weather conditions (wind speed and direction, temperature, and relative humidity) will be monitored by the Consultant with an onsite meteorological station.

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## 7.7 REMOVAL ACTION COMPLETION REPORT

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A RACR documenting activities conducted pursuant to this Soil Removal Plan and certifying that activities have been conducted consistent with this plan, will be prepared by the Environmental Consultant upon completion of the soil removals. At a minimum, the RACR will include the following:

- Summary of field activities
- Summary of laboratory results
- Conclusions and recommendations
- Signature and seal of California-licensed civil engineer or geologist responsible for the work
- Figures showing final excavation extents and soil sampling locations
- Tables summarizing confirmation sample analytical results
- Copies of manifests and weight tickets
- Copies of laboratory reports
- Photographic documentation of the work with dates and descriptions
- Copies of air monitoring records
- Copies of daily field notes

## 7.8 COST ESTIMATE

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Estimated costs for the proposed soil removal are summarized in the following table:

Item	Quantity/Unit Price	Cost
Remediation Contractor (earthwork)	391 cy @ \$120/cy	\$46,920
Environmental Consultant (oversight and sampling)	10 days @ \$4,500/day	\$45,000
Soil Disposal (California hazardous)	566 tons @ \$120/ton	\$67,920
Soil Disposal (Federal hazardous)	21 tons @ \$200/ton	\$4,200
DTSC Generator Fee	500-999 tons	\$47,830
Remedial Action Completion Report	\$10,000 Is	\$10,000
Soil Volume Contingency	20%	\$44,374
Bid Contingency	20%	\$44,374
<b>Total Cost</b>		<b>\$310,618</b>

Total estimated costs, including a contingency of 20% to account for uncertainty in the excavation volume and a contingency of 20% to account for bid variability, is approximately \$311,000.

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## 7.9 PRELIMINARY EVALUATION OF POST-EXCAVATION TOTAL LEAD CONCENTRATIONS

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Although the excavations specifically target soil with hazardous concentrations of lead, it is anticipated that removal of the hazardous soil will also reduce Sitewide total lead concentrations to below the screening level of 80 mg/kg. This assertion was tested by recalculating the Sitewide 95% UCL after removing samples lying within the footprint of the excavations from the total lead dataset. The resulting 95% UCL value is 30 mg/kg, indicating that the proposed excavations will adequately address concerns related to total lead concentrations in soil. A copy of the ProUCL output file is provided in Appendix F.

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## 8.0 PUBLIC PARTICIPATION

This PEA-E is a supporting document for the Initial Study/Mitigated Negative Declaration (IS/MND) prepared by LAUSD for the CMP, as required by the California Environmental Quality Act. A copy of the Notice of Intent (NOI) for the IS/MND and Notice of Public Comment Period for the PEA-E is provided in Appendix G.

Public outreach for the IS/MND and PEA-E included the following:

- Distributing the NOI and Community Meeting Flyer to the student list, to all addresses within 0.25 miles of the school, and to various agencies and elected officials.
- Hand delivering the Community Meeting Flyer to residents and businesses within 2,500 feet of the school.
- Posting the NOI and Community Meeting Flyer on the LAUSD website.
- Posting a copy of the NOI, mounted on a 30" by 40" poster board, at the school.
- Publishing the NOI in the Daily News (English) and La Opinion (Spanish) newspapers.
- Providing hardcopies of the Draft Final PEA-E Report for public review at the following locations:
  - Belvedere Middle School Main Office, 312 North Record Avenue, Los Angeles California 90063.
  - Anthony Quinn Library, 3965 E. Cesar E Chavez Avenue, Los Angeles, CA 90063.
  - LAUSD Office of Environmental Health and Safety, 333 S. Beaudry Avenue 21<sup>st</sup> Floor, Los Angeles, CA 90017.
- Providing an electronic copy of the Draft Final PEA-E Report on the LAUSD Office of Environmental Health and Safety website: <http://achieve.lausd.net/siteassessment>

A public meeting was held at the Belvedere Middle School Auditorium on Wednesday, December 4, 2019 at 6:00 PM. Comments from the public on the Draft Final PEA-E Report were accepted from November 20, 2019 to January 10, 2020. No comments were received from the public during the public comment period.

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## 9.0 REFERENCES

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## TABLES



**TABLE 1**  
**Summary of Screening Levels**  
**Belvedere Middle School PEA-E**

Compound	USEPA RSL		DTSC-SL		Other	Screening Level
	C	NC	C	NC		
California Title 22 Metals						
Antimony	--	31	--	--		31
Arsenic	0.68	35	0.11	0.41	12 <sup>1</sup>	12
Barium	--	15,000	--	--	--	15,000
Beryllium	1,600	160	--	16	--	16
Cadmium	2,100	71	910	--	--	71
Chromium	--	120,000	--	--	--	120,000
Cobalt	420	23	--	--	--	23
Copper	--	3,100	--	--	--	3,100
Lead	--	400	--	80	--	80
Mercury	--	11	--	1.0	--	1.0
Molybdenum	--	390	--	--	--	390
Nickel	15,000	1,500	--	820	--	820
Selenium	--	390	--	--	--	390
Silver	--	390	--	--	--	390
Thallium	--	0.78	--	--	--	0.78
Vanadium	--	390	--	--	--	390
Zinc	--	23,000	--	--	--	23,000
Soluble Metals						
Soluble Lead (WET)	--	--	--	--	5 <sup>2</sup>	0
Soluble Lead (TCLP)	--	--	--	--	5 <sup>3</sup>	0
Organochlorine Pesticides						
Aldrin	0.039	2.3	--	2.3	--	0.039
alpha-BHC	0.086	510	--	--	--	0.086
beta-BHC	0.30		--	--	--	0.30
gamma-BHC (Lindane)	0.57	21	--	--	--	0.57
delta-BHC	--	--	--	--	--	0
alpha-Chlordane	1.7	35	--	--	--	1.7
gamma-Chlordane	1.7	35	--	--	--	1.7
4,4'-DDD	2.3	1.9	--	--	--	1.9
4,4'-DDE	2.0	23	--	23	--	2.0
4,4'-DDT	1.9	37	--	--	--	1.9
Dieldrin	0.034	3.2	--	3.2	--	0.034
Endosulfan I	--	470	--	450	--	450
Endosulfan II	--	470	--	450	--	450
Endosulfan sulfate	--	380	--	--	--	380
Endrin	--	19	--	19	--	19
Endrin aldehyde	--	--	--	--	--	0
Endrin ketone	--	--	--	--	--	0
Heptachlor	0.13	39	--	38	--	0.13
Heptachlor epoxide	0.070	1.0	--	0.99	--	0.070
Methoxychlor	--	320	--	320	--	320
Toxaphene	0.49	5.7	0.45	--	--	0.45

**TABLE 1**  
**Summary of Screening Levels**  
**Belvedere Middle School PEA-E**

Compound	USEPA RSL		DTSC-SL		Other	Screening Level
	C	NC	C	NC		
Polychlorinated Biphenyls						
Aroclor-1016	6.7	4.1	--	--	--	4.1
Aroclor-1221	0.20	--	--	--	--	0.20
Aroclor-1232	0.17	--	--	--	--	0.17
Aroclor-1242	0.23	--	--	--	--	0.23
Aroclor-1248	0.23	--	--	--	--	0.23
Aroclor-1254	0.24	1.2	--	--	--	0.24
Aroclor-1260	0.24	--	--	--	--	0.24
Total Petroleum Hydrocarbons						
Petroleum Hydrocarbons	--	--	--	--	100 <sup>4</sup>	100
Volatile Organic Compounds						
Toluene	--	4,900	--	1,100	--	1,100
m,p-Xylenes	--	550	--	--	--	550
o-Xylene	--	650	--	--	--	650

Notes

RSL: USEPA Regional Screening Level (May 2019)

DTSC-SL: Screening level from HERO HHRA Note 3 (April 2019)

C: Cancer screening level

NC: Non-cancer screening level

--: Not applicable

1. Screening level based on background concentration for Southern California.
2. Soluble Threshold Limit Concentration for extract prepared by the Waste Extraction Test method.
3. Regulatory limit for extract prepared by Toxicity Characteristic Leaching Procedure method.
4. Criterion from California Low Threat Underground Storage Tank Case Closure Policy.



TABLE 2  
Summary of Analytical Results: Metals  
Belvedere Middle School PEA-E

Location ID	Sample ID	Date Sampled	Concentration (mg/kg)																		
			Antimony (6010B)	Arsenic (6020)	Arsenic (6010B)	Barium (6010B)	Beryllium (6010B)	Cadmium (6010B)	Chromium (6010B)	Cobalt (6010B)	Copper (6010B)	Lead (6010B)	Mercury (7471)	Molybdenum (6010B)	Nickel (6010B)	Selenium (6010B)	Silver (6010B)	Thallium (6020)	Thallium (6010B)	Vanadium (6010B)	Zinc (6010B)
SB-13	SB-13-0.5	04/18/19	ND (<1.0)	2.14	ND (<1.0)	105	ND (<1.0)	ND (<1.0)	18.7	11.4	13.8	6.4	ND (<0.1)	ND (<2.0)	14.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	39	48.8
	SB-13-0.5-FD	04/18/19	ND (<1.0)	1.61	ND (<1.0)	88.4	ND (<1.0)	ND (<1.0)	14.7	8.68	10.8	4.77 J	ND (<0.1)	ND (<2.0)	8.98	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	29	32.7
	SB-13-1.0	04/18/19	ND (<1.0)	3.13	ND (<1.0)	124	ND (<1.0)	ND (<1.0)	19.5	11.2	14.3	3.37 J	ND (<0.1)	ND (<2.0)	14.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	39	40.8
	SB-13-2.0	04/18/19	ND (<1.0)	3.21	ND (<1.0)	125	ND (<1.0)	ND (<1.0)	23.4	11.4	12.3	3.02 J	ND (<0.1)	ND (<2.0)	15.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	46.1	40.5
SB-14	SB-14-0.5	04/18/19	ND (<1.0)	2.86	ND (<1.0)	95.2	ND (<1.0)	ND (<1.0)	16.1	9.39	15.5	10.2	ND (<0.1)	ND (<2.0)	9.53	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	32.2	113
	SB-14-0.5-FD	04/18/19	ND (<1.0)	2.86	ND (<1.0)	104	ND (<1.0)	ND (<1.0)	16.6	8.96	14.2	11.9	ND (<0.1)	ND (<2.0)	13.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	33.7	83.2
	SB-14-1.0	04/18/19	ND (<1.0)	2.78	ND (<1.0)	127	ND (<1.0)	ND (<1.0)	18.1	9.88	15.6	3.27 J	ND (<0.1)	ND (<2.0)	15.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	35.4	51.5
	SB-14-2.0	04/18/19	ND (<1.0)	2.65	ND (<1.0)	117	ND (<1.0)	ND (<1.0)	22.1	11.5	15.2	2.61 J	ND (<0.1)	ND (<2.0)	18.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	43.5	47
SB-15	SB-15-0.5	04/18/19	ND (<1.0)	4.19	ND (<1.0)	121	ND (<1.0)	ND (<1.0)	24.2	9.01	15.4	19.3	ND (<0.1)	ND (<2.0)	21.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	35.8	76.9
	SB-15-0.5-FD	04/18/19	ND (<1.0)	4.37	ND (<1.0)	109	ND (<1.0)	ND (<1.0)	18.7	8.85	14.8	20.8	ND (<0.1)	ND (<2.0)	14.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	36.5	67
	SB-15-1.0	04/18/19	ND (<1.0)	2.77	ND (<1.0)	123	ND (<1.0)	ND (<1.0)	19.7	10.7	15.3	7.64	ND (<0.1)	ND (<2.0)	16.1	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.3	58.5
	SB-15-2.0	04/18/19	ND (<1.0)	2.24	ND (<1.0)	118	ND (<1.0)	ND (<1.0)	19.2	10.3	15.4	3.57 J	ND (<0.1)	ND (<2.0)	15.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.1	46.9
SB-16	SB-16-0.5	04/18/19	ND (<1.0)	3.01	ND (<1.0)	78.3	ND (<1.0)	ND (<1.0)	13.1	6.97	11.7	12.2	ND (<0.1)	ND (<2.0)	10.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	28.6	161
	SB-16-0.5-FD	04/18/19	ND (<1.0)	4.04	ND (<1.0)	96.4	ND (<1.0)	ND (<1.0)	15.5	8.19	15.3	19.2	ND (<0.1)	ND (<2.0)	12.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	30.9	898
	SB-16-1.0	04/18/19	ND (<1.0)	2.53	ND (<1.0)	101	ND (<1.0)	ND (<1.0)	27.4	8.82	12.5	12.8	0.143 J	ND (<2.0)	14.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	44.8	62
	SB-16-2.0	04/18/19	ND (<1.0)	1.82	ND (<1.0)	115	ND (<1.0)	ND (<1.0)	18.6	9.38	14.7	24.2	ND (<0.1)	ND (<2.0)	13	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	34.2	63.7
SB-17	SB-17-0.5	04/18/19	ND (<1.0)	2.72	ND (<1.0)	148	ND (<1.0)	ND (<1.0)	24.9	14.6	13.6	3.21 J	ND (<0.1)	ND (<2.0)	19.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	49.8	48.5
	SB-17-0.5FD	04/18/19	ND (<1.0)	2.87	ND (<1.0)	141	ND (<1.0)	ND (<1.0)	25.5	10.8	12.2	3.28 J	ND (<0.1)	ND (<2.0)	16.6	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	48.9	44
	SB-17-1.0	04/18/19	ND (<1.0)	1.8	ND (<1.0)	101	ND (<1.0)	ND (<1.0)	15.7	10.5	11.1	2.73 J	ND (<0.1)	ND (<2.0)	10.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.2	32.1
	SB-17-2.0	04/18/19	ND (<1.0)	1.67	ND (<1.0)	99.6	ND (<1.0)	ND (<1.0)	15.6	9.98	11.1	3.80 J	ND (<0.1)	ND (<2.0)	10.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.6	32.8
SB-18	SB-18-0.5	04/18/19	ND (<1.0)	3.64	ND (<1.0)	110	ND (<1.0)	ND (<1.0)	19.3	8.89	21.2	<b>94.7</b>	0.138 J	ND (<2.0)	14.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	33.4	132
	SB-18-0.5-FD	04/18/19	ND (<1.0)	3.6	ND (<1.0)	107	ND (<1.0)	ND (<1.0)	19.2	8.96	18.3	59.1	0.192 J	ND (<2.0)	14.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	36.4	100
	SB-18-1.0	04/18/19	ND (<1.0)	2.27	ND (<1.0)	58.7	ND (<1.0)	ND (<1.0)	9.99	5.5	12.3	13.2	0.146 J	ND (<2.0)	7.27	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	25.2	42.2
	SB-18-2.0	04/18/19	ND (<1.0)	2.3	ND (<1.0)	83.4	ND (<1.0)	ND (<1.0)	16.1	6.48	9.38	3.30 J	0.199 J	ND (<2.0)	9.52	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	35.6	35.5
SB-18-S	SB-18-S-0.5	08/02/19	-	-	-	-	-	-	-	-	-	52.7	-	-	-	-	-	-	-	-	-
	SB-18-S-1.0	08/02/19	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-
	SB-18-S-2.0	08/02/19	-	-	-	-	-	-	-	-	-	22.5	-	-	-	-	-	-	-	-	-
SB-18-N	SB-18-N-0.5	08/02/19	-	-	-	-	-	-	-	-	-	79.2	-	-	-	-	-	-	-	-	-
	SB-18-N-1.0	08/02/19	-	-	-	-	-	-	-	-	-	<b>455</b>	-	-	-	-	-	-	-	-	-
	SB-18-N-2.0	08/02/19	-	-	-	-	-	-	-	-	-	49.7	-	-	-	-	-	-	-	-	-
SB-18-E	SB-18-E-0.5	08/02/19	-	-	-	-	-	-	-	-	-	<b>108</b>	-	-	-	-	-	-	-	-	-
	SB-18-E-1.0	08/02/19	-	-	-	-	-	-	-	-	-	76.6	-	-	-	-	-	-	-	-	-
	SB-18-E-2.0	08/02/19	-	-	-	-	-	-	-	-	-	4.80 J	-	-	-	-	-	-	-	-	-
SB-18-W	SB-18-W-0.5	08/02/19	-	-	-	-	-	-	-	-	-	<b>108</b>	-	-	-	-	-	-	-	-	-
	SB-18-W-1.0	08/02/19	-	-	-	-	-	-	-	-	-	17.7	-	-	-	-	-	-	-	-	-
	SB-18-W-1.0FD	08/02/19	-	-	-	-	-	-	-	-	-	23.3	-	-	-	-	-	-	-	-	-
	SB-18-W-2.0	08/02/19	-	-	-	-	-	-	-	-	-	4.13 J	-	-	-	-	-	-	-	-	-
SB-18A-E	SB-18A-E-0.5	10/09/19	-	-	-	-	-	-	-	-	-	<b>83.2</b>	-	-	-	-	-	-	-	-	-
	SB-18A-E-1.0	10/09/19	-	-	-	-	-	-	-	-	-	35.9	-	-	-	-	-	-	-	-	-
SB-18A-W	SB-18A-W-0.5	10/09/19	-	-	-	-	-	-	-	-	-	38.1	-	-	-	-	-	-	-	-	-
	SB-18A-W-0.5-FD	10/09/19	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-
	SB-18A-W-1.0	10/09/19	-	-	-	-	-	-	-	-	-	5.32	-	-	-	-	-	-	-	-	-
SB-19	SB-19-0.5	04/18/19	ND (<1.0)	4.76	ND (<1.0)	147	ND (<1.0)	ND (<1.0)	22.6	10.9	26.1	50.8	0.116 J	ND (<2.0)	19.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	40.6	117
	SB-19-0.5FD	04/18/19	ND (<1.0)	7.49	ND (<1.0)	132	ND (<1.0)	ND (<1.0)	23.8	10.5	29.6	58.8	0.117 J	ND (<2.0)	20.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	43.2	137
	SB-19-1.0	04/18/19	ND (<1.0)	3.52	ND (<1.0)	138	ND (<1.0)	ND (<1.0)	21.1	11.5	17.6	7.34	ND (<0.1)	ND (<2.0)	18	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	42.8	67.9
	SB-19-2.0	04/18/19	ND (<1.0)	3.8	ND (<1.0)	151	ND (<1.0)	ND (<1.0)	25.8	11.7	18.2	7.32	ND (<0.1)	ND (<2.0)	22.3	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	50.2	61.9
SB-19-N	SB-19-N-0.5	08/02/19	-	-	-	-	-	-	-	-	-	<b>161</b>	-	-	-	-	-	-	-	-	-
	SB-19-N-1.0	08/02/19	-	-	-	-	-	-	-	-	-	5.78	-	-	-	-	-	-	-	-	-
	SB-19-N-2.0	08/02/19	-	-	-	-	-	-	-	-	-	3.19 J	-	-	-	-	-	-	-	-	-

TABLE 2  
Summary of Analytical Results: Metals  
Belvedere Middle School PEA-E

Location ID	Sample ID	Date Sampled	Concentration (mg/kg)																		
			Antimony (6010B)	Arsenic (6020)	Arsenic (6010B)	Barium (6010B)	Beryllium (6010B)	Cadmium (6010B)	Chromium (6010B)	Cobalt (6010B)	Copper (6010B)	Lead (6010B)	Mercury (7471)	Molybdenum (6010B)	Nickel (6010B)	Selenium (6010B)	Silver (6010B)	Thallium (6020)	Thallium (6010B)	Vanadium (6010B)	Zinc (6010B)
SB-19-S	SB-19-S-0.5	08/02/19	-	-	-	-	-	-	-	-	-	31.6	-	-	-	-	-	-	-	-	-
	SB-19-S-1.0	08/02/19	-	-	-	-	-	-	-	-	-	3.86 J	-	-	-	-	-	-	-	-	-
	SB-19-S-2.0	08/02/19	-	-	-	-	-	-	-	-	-	4.28 J	-	-	-	-	-	-	-	-	-
SB-19A-N	SB-19A-N-0.5	10/09/19	-	-	-	-	-	-	-	-	-	6.83	-	-	-	-	-	-	-	-	-
	SB-19A-N-1.0	10/09/19	-	-	-	-	-	-	-	-	-	7.93	-	-	-	-	-	-	-	-	-
SB-19B-N	SB-19B-N-0.5	10/09/19	-	-	-	-	-	-	-	-	-	69	-	-	-	-	-	-	-	-	-
	SB-19B-N-1.0	10/09/19	-	-	-	-	-	-	-	-	-	5.07	-	-	-	-	-	-	-	-	-
SB-20	SB-20-0.5	04/16/19	ND (<1.0)	2.96	ND (<1.0)	111	ND (<1.0)	ND (<1.0)	19.6	9.31	13.6	15.3	ND (<0.1)	ND (<2.0)	10.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.9	59.3
	SB-20-1.0	04/16/19	ND (<1.0)	3.43	ND (<1.0)	107	ND (<1.0)	ND (<1.0)	19.8	8.6	12.7	64	ND (<0.1)	ND (<2.0)	10.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.2	77
	SB-20-2.0	04/16/19	ND (<1.0)	4.11	ND (<1.0)	94.7	ND (<1.0)	ND (<1.0)	17.7	8.22	12.2	94.8	ND (<0.1)	ND (<2.0)	8.51	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	32	74.9
SB-20-e	SB-20-E-0.5	08/01/19	-	-	-	-	-	-	-	-	-	4.49 J	-	-	-	-	-	-	-	-	-
	SB-20-E-1.0	08/01/19	-	-	-	-	-	-	-	-	-	273	-	-	-	-	-	-	-	-	-
	SB-20-E-2.0	08/01/19	-	-	-	-	-	-	-	-	-	390	-	-	-	-	-	-	-	-	-
SB-20-N	SB-20-N-0.5	08/01/19	-	-	-	-	-	-	-	-	-	6.07	-	-	-	-	-	-	-	-	-
	SB-20-N-1.0	08/01/19	-	-	-	-	-	-	-	-	-	11.2	-	-	-	-	-	-	-	-	-
	SB-20-N-2.0	08/01/19	-	-	-	-	-	-	-	-	-	3.70 J	-	-	-	-	-	-	-	-	-
	SB-20-N-2.0FD	08/01/19	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-	-	-	-	-	-
SB-20-W	SB-20-W-0.5	08/01/19	-	-	-	-	-	-	-	-	-	5.56	-	-	-	-	-	-	-	-	-
	SB-20-W-1.0	08/01/19	-	-	-	-	-	-	-	-	-	85.5	-	-	-	-	-	-	-	-	-
	SB-20-W-2.0	08/01/19	-	-	-	-	-	-	-	-	-	5.72	-	-	-	-	-	-	-	-	-
SB-20A-E	SB-20A-E-0.5	10/09/19	-	-	-	-	-	-	-	-	-	27.1	-	-	-	-	-	-	-	-	-
	SB-20A-E-1.0	10/09/19	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	-	-	-
	SB-20A-E-2.0	10/09/19	-	-	-	-	-	-	-	-	-	4.07 J	-	-	-	-	-	-	-	-	-
SB-21	SB-21-0.5	04/18/19	ND (<1.0)	3.19	ND (<1.0)	89.6	ND (<1.0)	ND (<1.0)	13.3	6.46	12.7	14.2	ND (<0.1)	ND (<2.0)	13.1	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	28.9	50.5
	SB-21-0.5FD	04/18/19	ND (<1.0)	3.1	ND (<1.0)	89.2	ND (<1.0)	ND (<1.0)	17.6	7.05	14	18.4	ND (<0.1)	ND (<2.0)	12.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	29.6	57.5
	SB-21-1.0	04/18/19	ND (<1.0)	2.43	ND (<1.0)	107	ND (<1.0)	ND (<1.0)	17.7	8.7	567	18.5	0.164 J	ND (<2.0)	12.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	33.8	111
	SB-21-2.0	04/18/19	ND (<1.0)	1.95	ND (<1.0)	98.7	ND (<1.0)	ND (<1.0)	16.3	9.02	10.8	7.39	ND (<0.1)	ND (<2.0)	10	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	29.7	41.5
SB-22	SB-22-0.5	04/16/19	ND (<1.0)	2.5	ND (<1.0)	98.9	ND (<1.0)	ND (<1.0)	16.2	8.69	12.9	66.5	0.104 J	ND (<2.0)	8.25	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.2	74.9
	SB-22-1.0	04/16/19	ND (<1.0)	1.74	ND (<1.0)	94.2	ND (<1.0)	ND (<1.0)	16.6	10.1	11.1	6.61	ND (<0.1)	ND (<2.0)	8.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	32.8	33.2
	SB-22-2.0	04/16/19	ND (<1.0)	2.67	ND (<1.0)	108	ND (<1.0)	ND (<1.0)	22.8	10.3	10.8	2.92 J	ND (<0.1)	ND (<2.0)	10.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	45.5	37.4
SB-22-E	SB-22-E-0.5	08/01/19	-	-	-	-	-	-	-	-	-	43.8	-	-	-	-	-	-	-	-	-
	SB-22-E-1.0	08/01/19	-	-	-	-	-	-	-	-	-	4.03 J	-	-	-	-	-	-	-	-	-
	SB-22-E-2.0	08/01/19	-	-	-	-	-	-	-	-	-	3.63 J	-	-	-	-	-	-	-	-	-
SB-22-S	SB-22-S-0.5	08/01/19	-	-	-	-	-	-	-	-	-	21.6	-	-	-	-	-	-	-	-	-
	SB-22-S-1.0	08/01/19	-	-	-	-	-	-	-	-	-	7.01	-	-	-	-	-	-	-	-	-
	SB-22-S-2.0	08/01/19	-	-	-	-	-	-	-	-	-	14.9	-	-	-	-	-	-	-	-	-
SB-22-N	SB-22-N-0.5	08/01/19	-	-	-	-	-	-	-	-	-	9.85	-	-	-	-	-	-	-	-	-
	SB-22-N-0.5FD	08/01/19	-	-	-	-	-	-	-	-	-	72.3	-	-	-	-	-	-	-	-	-
	SB-22-N-1.0	08/01/19	-	-	-	-	-	-	-	-	-	5.01	-	-	-	-	-	-	-	-	-
	SB-22-N-2.0	08/01/19	-	-	-	-	-	-	-	-	-	3.08 J	-	-	-	-	-	-	-	-	-
SB-23	SB-23-0.5	04/16/19	ND (<1.0)	2.91	ND (<1.0)	40	ND (<1.0)	ND (<1.0)	33.5	8.94	12.4	4.10 J	ND (<0.1)	2.05 J	19.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	57.2	44.6
	SB-23-1.0	04/16/19	ND (<1.0)	2.11	ND (<1.0)	81	ND (<1.0)	ND (<1.0)	15.8	6.17	11.8	82.8	0.336	ND (<2.0)	6.64	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	28.4	180
	SB-23-2.0	04/16/19	ND (<1.0)	1.59	ND (<1.0)	91.5	ND (<1.0)	ND (<1.0)	14.6	8.53	10.6	8.24	ND (<0.1)	ND (<2.0)	7.37	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	28.2	33.8
SB-23-E	SB-23-E-0.5	08/01/19	-	-	-	-	-	-	-	-	-	2,620	-	-	-	-	-	-	-	-	-
	SB-23-E-1.0	08/01/19	-	-	-	-	-	-	-	-	-	20.6	-	-	-	-	-	-	-	-	-
	SB-23-E-2.0	08/01/19	-	-	-	-	-	-	-	-	-	8.74	-	-	-	-	-	-	-	-	-
SB-23-S	SB-23-S-0.5	08/01/19	-	-	-	-	-	-	-	-	-	18.9	-	-	-	-	-	-	-	-	-
	SB-23-S-1.0	08/01/19	-	-	-	-	-	-	-	-	-	4.06 J	-	-	-	-	-	-	-	-	-
	SB-23-S-2.0	08/01/19	-	-	-	-	-	-	-	-	-	6.54	-	-	-	-	-	-	-	-	-

TABLE 2  
Summary of Analytical Results: Metals  
Belvedere Middle School PEA-E

Location ID	Sample ID	Date Sampled	Concentration (mg/kg)																		
			Antimony (6010B)	Arsenic (6020)	Arsenic (6010B)	Barium (6010B)	Beryllium (6010B)	Cadmium (6010B)	Chromium (6010B)	Cobalt (6010B)	Copper (6010B)	Lead (6010B)	Mercury (7471)	Molybdenum (6010B)	Nickel (6010B)	Selenium (6010B)	Silver (6010B)	Thallium (6020)	Thallium (6010B)	Vanadium (6010B)	Zinc (6010B)
SB-23-W	SB-23-W-0.5	08/01/19	-	-	-	-	-	-	-	-	-	ND (<2.5)	-	-	-	-	-	-	-	-	-
	SB-23-W-1.0	08/01/19	-	-	-	-	-	-	-	-	-	2.98 J	-	-	-	-	-	-	-	-	-
	SB-23-W-2.0	08/01/19	-	-	-	-	-	-	-	-	-	11.4	-	-	-	-	-	-	-	-	-
	SB-23-W-2.0FD	08/01/19	-	-	-	-	-	-	-	-	-	24.6	-	-	-	-	-	-	-	-	-
SB-23A-E	SB-23A-E-0.5	10/09/19	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-
	SB-23A-E-1.0	10/09/19	-	-	-	-	-	-	-	-	-	4.41 J	-	-	-	-	-	-	-	-	-
SB-24	SB-24-0.5	04/16/19	ND (<1.0)	2.58	ND (<1.0)	73.5	ND (<1.0)	ND (<1.0)	15.4	6.59	17.2	12.4	ND (<0.1)	ND (<2.0)	8.3	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.1	52.9
	SB-24-1.0	04/16/19	ND (<1.0)	2.09	ND (<1.0)	94.9	ND (<1.0)	ND (<1.0)	20.3	7.66	8.4	2.64 J	0.116 J	ND (<2.0)	7.83	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	40.6	35.2
	SB-24-2.0	04/16/19	ND (<1.0)	1.78	ND (<1.0)	87.2	ND (<1.0)	ND (<1.0)	17.8	8.95	10.5	2.76 J	ND (<0.1)	ND (<2.0)	7.88	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	30.8	30.1
SB-25	SB-25-0.5	04/17/19	ND (<1.0)	2.13	ND (<1.0)	96.1	ND (<1.0)	ND (<1.0)	16.4	8.79	10.7	8.15	0.284	ND (<2.0)	11.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	34.4	42.4
	SB-25-1.0	04/17/19	ND (<1.0)	1.64	ND (<1.0)	91.3	ND (<1.0)	ND (<1.0)	15.2	9.04	10.3	3.81 J	ND (<0.1)	ND (<2.0)	9.66	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	29.5	33.7
	SB-25-2.0	04/17/19	ND (<1.0)	2.35	ND (<1.0)	117	ND (<1.0)	ND (<1.0)	22.2	10.6	13.7	ND (<2.5)	ND (<0.1)	ND (<2.0)	17.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	45.4	44.7
SB-26	SB-26-0.5	04/17/19	ND (<1.0)	2.69	ND (<1.0)	117	ND (<1.0)	ND (<1.0)	19.2	8.36	12.8	25.8	ND (<0.1)	ND (<2.0)	13.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	36.9	63
	SB-26-1.0	04/17/19	ND (<1.0)	2.16	ND (<1.0)	102	ND (<1.0)	ND (<1.0)	20	9.03	12.1	2.54 J	ND (<0.1)	ND (<2.0)	14.3	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.7	39.8
	SB-26-2.0	04/17/19	ND (<1.0)	1.57	ND (<1.0)	92.4	ND (<1.0)	ND (<1.0)	15.2	9.49	10.4	2.81 J	ND (<0.1)	ND (<2.0)	9.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	29.4	35.3
SB-27	SB-27-0.5	04/18/19	ND (<1.0)	3.27	ND (<1.0)	109	ND (<1.0)	ND (<1.0)	20.3	9.11	11.2	13.7	0.103 J	ND (<2.0)	12.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	40.3	60.5
	SB-27-0.5-FD	04/18/19	ND (<1.0)	3.13	ND (<1.0)	98.9	ND (<1.0)	ND (<1.0)	19.2	7.91	12.5	21	0.106 J	ND (<2.0)	12.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	36.8	72.8
	SB-27-1.0	04/18/19	ND (<1.0)	3.27	ND (<1.0)	127	ND (<1.0)	ND (<1.0)	19.6	9.53	15.8	46.4	ND (<0.1)	ND (<2.0)	14	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	36.8	89.2
	SB-27-2.0	04/18/19	ND (<1.0)	2.32	ND (<1.0)	104	ND (<1.0)	ND (<1.0)	20.4	7.49	10.9	37.9	ND (<0.1)	ND (<2.0)	13	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.1	52.6
SB-28	SB-28-0.5	04/17/19	ND (<1.0)	2.92	ND (<1.0)	129	ND (<1.0)	ND (<1.0)	23.7	10.5	15	11.7	ND (<0.1)	ND (<2.0)	17.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	43.9	54.3
	SB-28-1.0	04/17/19	ND (<1.0)	2.28	ND (<1.0)	139	ND (<1.0)	ND (<1.0)	24.8	7.2	11.7	4.37 J	0.117 J	ND (<2.0)	14.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	45.4	43.8
	SB-28-2.0	04/17/19	ND (<1.0)	1.81	ND (<1.0)	99.7	ND (<1.0)	ND (<1.0)	16.1	9.37	11.4	7.62	ND (<0.1)	ND (<2.0)	11	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.2	38.2
SB-29	SB-29-0.5	04/17/19	ND (<1.0)	6.31	ND (<1.0)	104	ND (<1.0)	ND (<1.0)	20.1	8.44	19.3	37.7	ND (<0.1)	ND (<2.0)	13.6	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	33.8	236
	SB-29-1.0	04/17/19	ND (<1.0)	3.22	ND (<1.0)	114	ND (<1.0)	ND (<1.0)	25.6	17.1	11.3	5.01	0.147 J	ND (<2.0)	16.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	52.7	53.8
	SB-29-2.0	04/17/19	ND (<1.0)	2.69	ND (<1.0)	140	ND (<1.0)	ND (<1.0)	25.5	12.6	15.1	7.41	ND (<0.1)	ND (<2.0)	20	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	50.6	61.4
SB-30	SB-30-0.5	04/18/19	ND (<1.0)	8.4	ND (<1.0)	124	ND (<1.0)	ND (<1.0)	28.6	10.7	28.6	33	0.231	ND (<2.0)	20.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	45.7	330
	SB-30-0.5-FD	04/18/19	ND (<1.0)	8.71	ND (<1.0)	125	ND (<1.0)	ND (<1.0)	30.1	10.6	25.6	29	0.156 J	ND (<2.0)	20.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	46.9	257
	SB-30-1.0	04/18/19	ND (<1.0)	4.25	ND (<1.0)	154	ND (<1.0)	ND (<1.0)	27.8	12.1	16.8	5.81	ND (<0.1)	ND (<2.0)	22.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	54	102
	SB-30-2.0	04/18/19	ND (<1.0)	3.49	ND (<1.0)	174	ND (<1.0)	ND (<1.0)	28.7	12.8	16	ND (<2.5)	ND (<0.1)	ND (<2.0)	24.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	57.2	59.5
SB-31	SB-31-0.5	04/17/19	ND (<1.0)	3.99	ND (<1.0)	118	ND (<1.0)	ND (<1.0)	18.6	8.19	17.1	66.8	ND (<0.1)	ND (<2.0)	12.5	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	32.7	111
	SB-31-1.0	04/17/19	ND (<1.0)	4.27	ND (<1.0)	127	ND (<1.0)	ND (<1.0)	18.5	8.33	21.3	81	ND (<0.1)	ND (<2.0)	13	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	32.8	228
	SB-31-2.0	04/17/19	ND (<1.0)	2.26	ND (<1.0)	102	ND (<1.0)	ND (<1.0)	18.7	10.7	11.7	8.89	ND (<0.1)	ND (<2.0)	12.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	37.8	41.2
SB-31-E	SB-31-E-0.5	08/01/19	-	-	-	-	-	-	-	-	-	26.9	-	-	-	-	-	-	-	-	-
	SB-31-E-1.0	08/01/19	-	-	-	-	-	-	-	-	-	24.3	-	-	-	-	-	-	-	-	-
	SB-31-E-2.0	08/01/19	-	-	-	-	-	-	-	-	-	31.7	-	-	-	-	-	-	-	-	-
SB-31-N	SB-31-N-0.5	08/01/19	-	-	-	-	-	-	-	-	-	16.1	-	-	-	-	-	-	-	-	-
	SB-31-N-1.0	08/01/19	-	-	-	-	-	-	-	-	-	117	-	-	-	-	-	-	-	-	-
	SB-31-N-2.0	08/01/19	-	-	-	-	-	-	-	-	-	3.36 J	-	-	-	-	-	-	-	-	-
SB-31-W	SB-31-W-0.5	08/01/19	-	-	-	-	-	-	-	-	-	113	-	-	-	-	-	-	-	-	-
	SB-31-W-1.0	08/01/19	-	-	-	-	-	-	-	-	-	118	-	-	-	-	-	-	-	-	-
	SB-31-W-2.0	08/01/19	-	-	-	-	-	-	-	-	-	41.4	-	-	-	-	-	-	-	-	-
SB-31-SW	SB-31-SW-0.5	08/01/19	-	-	-	-	-	-	-	-	-	82.3	-	-	-	-	-	-	-	-	-
	SB-31-SW-1.0	08/01/19	-	-	-	-	-	-	-	-	-	134	-	-	-	-	-	-	-	-	-
	SB-31-SW-2.0	08/01/19	-	-	-	-	-	-	-	-	-	169	-	-	-	-	-	-	-	-	-
SB-31-WA	SB-31-WA-0.5	10/09/19	-	-	-	-	-	-	-	-	-	56.9	-	-	-	-	-	-	-	-	-
	SB-31-WA-1.0	10/09/19	-	-	-	-	-	-	-	-	-	104	-	-	-	-	-	-	-	-	-
SB-32	SB-32-0.5	04/17/19	ND (<1.0)	3.04	ND (<1.0)	105	ND (<1.0)	ND (<1.0)	20	8.61	12.3	12.1	ND (<0.1)	ND (<2.0)	15.3	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	41.2	54
	SB-32-1.0	04/17/19	ND (<1.0)	1.61	ND (<1.0)	98.4	ND (<1.0)	ND (<1.0)	16.1	9.31	17.2	14.3	ND (<0.1)	ND (<2.0)	11.3	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	30.4	62.8
	SB-32-2.0	04/17/19	ND (<1.0)	1.91	ND (<1.0)	91.4	ND (<1.0)	ND (<1.0)	17.5	9.84	12.4	19.4	ND (<0.1)	ND (<2.0)	11.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	34.1	92.7
SB-33	SB-33-0.5	04/17/19	ND (<1.0)	4.44	ND (<1.0)	110	ND (<1.0)	ND (<1.0)	18.8	8.21	21.1	79.8	0.124 J	ND (<2.0)	12.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	30.1	193
	SB-33-1.0	04/17/19	ND (<1.0)	2	ND (<1.0)	110	ND (<1.0)	ND (<1.0)	16.3	9.2	12.3	10.7	ND (<0.1)	ND (<2.0)	12.2	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.1	78
	SB-33-2.0	04/17/19	ND (<1.0)	1.7	ND (<1.0)	98.1	ND (<1.0)	ND (<1.0)	16.8	9.96	11.4	2.88 J	ND (<0.1)	ND (<2.0)	12	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	34.2	44.7

TABLE 2  
Summary of Analytical Results: Metals  
Belvedere Middle School PEA-E

Location ID	Sample ID	Date Sampled	Concentration (mg/kg)																		
			Antimony (6010B)	Arsenic (6020)	Arsenic (6010B)	Barium (6010B)	Beryllium (6010B)	Cadmium (6010B)	Chromium (6010B)	Cobalt (6010B)	Copper (6010B)	Lead (6010B)	Mercury (7471)	Molybdenum (6010B)	Nickel (6010B)	Selenium (6010B)	Silver (6010B)	Thallium (6020)	Thallium (6010B)	Vanadium (6010B)	Zinc (6010B)
SB-33-S	SB-33-S-0.5	08/01/19	-	-	-	-	-	-	-	-	-	90.4	-	-	-	-	-	-	-	-	-
	SB-33-S-0.5FD	08/01/19	-	-	-	-	-	-	-	-	-	274	-	-	-	-	-	-	-	-	-
	SB-33-S-1.0	08/01/19	-	-	-	-	-	-	-	-	-	48.7	-	-	-	-	-	-	-	-	-
	SB-33-S-2.0	08/01/19	-	-	-	-	-	-	-	-	-	17.3	-	-	-	-	-	-	-	-	-
SB-33-W	SB-33-W-0.5	08/01/19	-	-	-	-	-	-	-	-	-	128	-	-	-	-	-	-	-	-	-
	SB-33-W-1.0	08/01/19	-	-	-	-	-	-	-	-	-	31.2	-	-	-	-	-	-	-	-	-
	SB-33-W-2.0	08/01/19	-	-	-	-	-	-	-	-	-	20.4	-	-	-	-	-	-	-	-	-
SB-33-E	SB-33-E-0.5	08/01/19	-	-	-	-	-	-	-	-	-	242	-	-	-	-	-	-	-	-	-
	SB-33-E-1.0	08/01/19	-	-	-	-	-	-	-	-	-	8.53	-	-	-	-	-	-	-	-	-
	SB-33-E-2.0	08/01/19	-	-	-	-	-	-	-	-	-	4.96 J	-	-	-	-	-	-	-	-	-
SB-33A-E	SB-33A-E-0.5	10/09/19	-	-	-	-	-	-	-	-	-	76.5	-	-	-	-	-	-	-	-	-
	SB-33A-E-1.0	10/09/19	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-
SB-33B-E	SB-33B-E-1.0	10/09/19	-	-	-	-	-	-	-	-	-	4.12 J	-	-	-	-	-	-	-	-	-
SB-33A-W	SB-33A-W-0.5	10/09/19	-	-	-	-	-	-	-	-	-	50.7	-	-	-	-	-	-	-	-	-
	SB-33A-W-1.0	10/09/19	-	-	-	-	-	-	-	-	-	43.3	-	-	-	-	-	-	-	-	-
SB-33A-S	SB-33A-S-0.5	10/09/19	-	-	-	-	-	-	-	-	-	64.1	-	-	-	-	-	-	-	-	-
	SB-33A-S-1.0	10/09/19	-	-	-	-	-	-	-	-	-	149	-	-	-	-	-	-	-	-	-
SB-33B-S	SB-33B-S-1.0	10/09/19	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-
SB-34	SB-34-0.5	04/17/19	ND (<1.0)	2.95	ND (<1.0)	126	ND (<1.0)	ND (<1.0)	16.6	8.32	25.9	80	0.122 J	ND (<2.0)	12	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	31.8	132
	SB-34-1.0	04/17/19	ND (<1.0)	2.58	ND (<1.0)	144	ND (<1.0)	ND (<1.0)	16.2	7.67	20.5	109	0.118 J	ND (<2.0)	11.6	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	29.3	129
	SB-34-2.0	04/17/19	ND (<1.0)	1.73	ND (<1.0)	105	ND (<1.0)	ND (<1.0)	18.3	11.4	13.1	3.85 J	ND (<0.1)	ND (<2.0)	14.1	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	37.5	37
SB-34-N	SB-34-N-0.5	08/01/19	-	-	-	-	-	-	-	-	-	86.6	-	-	-	-	-	-	-	-	-
	SB-34-N-1.0	08/01/19	-	-	-	-	-	-	-	-	-	44.2	-	-	-	-	-	-	-	-	-
	SB-34-N-1.0FD	08/01/19	-	-	-	-	-	-	-	-	-	54.2	-	-	-	-	-	-	-	-	-
	SB-34-N-2.0	08/01/19	-	-	-	-	-	-	-	-	-	20.8	-	-	-	-	-	-	-	-	-
SB-34-W	SB-34-W-0.5	08/01/19	-	-	-	-	-	-	-	-	-	58.4	-	-	-	-	-	-	-	-	-
	SB-34-W-1.0	08/01/19	-	-	-	-	-	-	-	-	-	172	-	-	-	-	-	-	-	-	-
	SB-34-W-2.0	08/01/19	-	-	-	-	-	-	-	-	-	52.1	-	-	-	-	-	-	-	-	-
	SB-34-W-2.0FD	08/01/19	-	-	-	-	-	-	-	-	-	31.8	-	-	-	-	-	-	-	-	-
SB-34-S	SB-34-S-0.5	08/01/19	-	-	-	-	-	-	-	-	-	39.6	-	-	-	-	-	-	-	-	-
	SB-34-S-1.0	08/01/19	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	-	-	-	-	-
	SB-34-S-2.0	08/01/19	-	-	-	-	-	-	-	-	-	4.16 J	-	-	-	-	-	-	-	-	-
SB-34-NW	SB-34-NW-0.5	10/09/19	-	-	-	-	-	-	-	-	-	94.9	-	-	-	-	-	-	-	-	-
	SB-34-NW-1.0	10/09/19	-	-	-	-	-	-	-	-	-	5.66	-	-	-	-	-	-	-	-	-
	SB-34-NW-2.0	10/09/19	-	-	-	-	-	-	-	-	-	5.53	-	-	-	-	-	-	-	-	-
SB-35	SB-35-0.5	04/17/19	ND (<1.0)	5.71	ND (<1.0)	74.1	ND (<1.0)	ND (<1.0)	11.8	6.05	13	15.4	ND (<0.1)	ND (<2.0)	13.1	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	26.6	50.2
	SB-35-1.0	04/17/19	ND (<1.0)	5.59	ND (<1.0)	136	ND (<1.0)	ND (<1.0)	32	10.4	21.4	9.81	ND (<0.1)	ND (<2.0)	28.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	43.8	68.9
	SB-35-2.0	04/17/19	ND (<1.0)	3.09	ND (<1.0)	85.1	ND (<1.0)	ND (<1.0)	15.9	7.77	12.9	12.3	0.128 J	ND (<2.0)	11.6	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	32.9	59.7
SB-36	SB-36-0.5	04/17/19	ND (<1.0)	2.97	ND (<1.0)	103	ND (<1.0)	ND (<1.0)	19.5	8.4	14.7	22.1	0.105 J	ND (<2.0)	14.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	36.7	77.6
	SB-36-1.0	04/17/19	ND (<1.0)	2.11	ND (<1.0)	126	ND (<1.0)	ND (<1.0)	19.8	9.21	40.2	34.9	ND (<0.1)	ND (<2.0)	13.7	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.4	98.1
	SB-36-2.0	04/17/19	ND (<1.0)	2.57	ND (<1.0)	109	ND (<1.0)	ND (<1.0)	22.5	10.1	12.7	7.5	ND (<0.1)	ND (<2.0)	16.3	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	42.6	54.4
SB-37	SB-37-0.5	04/17/19	ND (<1.0)	2.88	ND (<1.0)	98.4	ND (<1.0)	ND (<1.0)	20.5	8.21	14.3	11.3	0.111 J	ND (<2.0)	14.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	39.2	55.3
	SB-37-1.0	04/17/19	ND (<1.0)	2.42	ND (<1.0)	114	ND (<1.0)	ND (<1.0)	20.9	8.67	12.9	10.6	0.112 J	ND (<2.0)	13.9	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	41.4	55.3
	SB-37-2.0	04/17/19	ND (<1.0)	2.72	ND (<1.0)	80	ND (<1.0)	ND (<1.0)	13.4	6.33	11.5	3.90 J	ND (<0.1)	ND (<2.0)	11.4	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	28.1	44.5
SB-38	SB-38-0.5	04/16/19	ND (<1.0)	2.74	ND (<1.0)	119	ND (<1.0)	ND (<1.0)	19.7	8.49	13.6	12.5	0.124 J	ND (<2.0)	9.67	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	39.6	63.2
	SB-38-1.0	04/16/19	ND (<1.0)	1.89	ND (<1.0)	108	ND (<1.0)	ND (<1.0)	18.9	7.97	12.2	13.5	0.105 J	ND (<2.0)	8.94	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	38.3	56.7
	SB-38-2.0	04/16/19	ND (<1.0)	2.44	ND (<1.0)	109	ND (<1.0)	ND (<1.0)	19.1	7.78	12.7	9.77	0.135 J	ND (<2.0)	9.03	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	39.7	52.5
SB-39	SB-39-0.5	04/16/19	ND (<1.0)	3.67	ND (<1.0)	80.9	ND (<1.0)	ND (<1.0)	15.6	6.65	16.9	33.6	0.305	ND (<2.0)	8.64	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	25.9	98.3
	SB-39-1.0	04/16/19	ND (<1.0)	2.31	ND (<1.0)	124	ND (<1.0)	ND (<1.0)	20.7	10.9	11.9	6.03	ND (<0.1)	ND (<2.0)	10.8	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	41.6	45.2
	SB-39-2.0	04/16/19	ND (<1.0)	2.84	ND (<1.0)	107	ND (<1.0)	ND (<1.0)	22.2	8.74	11.6	4.77 J	ND (<0.1)	ND (<2.0)	9.68	ND (<1.0)	ND (<2.0)	ND (<0.3)	ND (<0.7)	42.6	41.4

TABLE 2  
Summary of Analytical Results: Metals  
Belvedere Middle School PEA-E

Location ID	Sample ID	Date Sampled	Concentration (mg/kg)																		
			Antimony (6010B)	Arsenic (6020)	Arsenic (6010B)	Barium (6010B)	Beryllium (6010B)	Cadmium (6010B)	Chromium (6010B)	Cobalt (6010B)	Copper (6010B)	Lead (6010B)	Mercury (7471)	Molybdenum (6010B)	Nickel (6010B)	Selenium (6010B)	Silver (6010B)	Thallium (6020)	Thallium (6010B)	Vanadium (6010B)	Zinc (6010B)
SB-40	SB-40-3.0	04/16/19	ND (<1.0)	-	ND (<1.0)	119	ND (<1.0)	ND (<1.0)	20.8	13	10.7	3.82 J	ND (<0.1)	ND (<2.0)	10.6	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	44.2	36.1
	SB-40-5.0	04/16/19	ND (<1.0)	-	ND (<1.0)	142	ND (<1.0)	ND (<1.0)	22	7.82	15	2.90 J	0.212	ND (<2.0)	9.38	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	41.8	49.8
SB-41	SB-41-3.0	04/18/19	ND (<1.0)	-	ND (<1.0)	68	ND (<1.0)	ND (<1.0)	15.9	5.78	9.2	ND (<2.5)	0.34	ND (<2.0)	9.15	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	33.1	33.9
	SB-41-3.0-FD	04/18/19	ND (<1.0)	-	ND (<1.0)	60.7	ND (<1.0)	ND (<1.0)	15.5	5.89	10.4	ND (<2.5)	0.352	ND (<2.0)	9.05	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	31.2	32.7
	SB-41-5.0	04/18/19	ND (<1.0)	-	ND (<1.0)	27.7	ND (<1.0)	ND (<1.0)	6.69	3.88 J	7.63	ND (<2.5)	0.26	ND (<2.0)	4.58 J	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	19.7	28
	SB-41-9.0	04/18/19	ND (<1.0)	-	ND (<1.0)	34	ND (<1.0)	ND (<1.0)	8.58	3.85 J	6.31	ND (<2.5)	0.171 J	ND (<2.0)	6.41	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	19.9	27.6
SB-42	SB-42-3.0	04/17/19	ND (<1.0)	-	ND (<1.0)	115	ND (<1.0)	ND (<1.0)	24.9	9.25	9.75	5.77	ND (<0.1)	ND (<2.0)	16.1	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	45.9	48.3
	SB-42-5.0	04/17/19	ND (<1.0)	-	ND (<1.0)	81.3	ND (<1.0)	ND (<1.0)	16	5.17	7.65	ND (<2.5)	0.353	ND (<2.0)	9.02	ND (<1.0)	ND (<2.0)	-	ND (<0.7)	32.2	32.2
Screening Levels:			31	12	12	15,000	16	71	120,000	23	3,100	80	1	390	820	390	390	0.78	0.78	390	23,000

**Notes:**  
mg/kg: milligrams per kilogram  
6010B: analyzed using USEPA Method 6010B.  
6020: analyzed using USEPA Method 6020.  
7471: analyzed using USPEA Method 7471.  
**Bold** indicates concentraton exceeding screening level  
ND indicates not detected above indicated reporting limit  
-- indicated not analyzed or not available  
J: estimated value



**TABLE 3**  
**Summary of Analytical Results: Petroleum Hydrocarbons**  
**(USEPA Method 8015m)**  
**Belvedere Middle School PEA-E**

Location ID	Sample ID	Sample Date	Concentration (mg/kg)		
			TPH (C4-C12)	TPH (C13-C22)	TPH (C23-C40)
SB-40	SB-40-3.0	04/16/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
	SB-40-5.0	04/16/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
SB-41	SB-41-3.0	04/18/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
	SB-41-3.0-FD	04/18/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
	SB-41-5.0	04/18/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
	SB-41-9.0	04/18/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
SB-42	SB-42-3.0	04/17/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
	SB-42-5.0	04/17/19	ND (<0.1)	ND (<1.0)	ND (<1.0)
<i>Screening Level</i>			100	100	100

**Notes:**

mg/kg: milligrams per kilogram

ND indicates not detected above indicated reporting limit

C4-C12: gasoline range petroleum hydrocarbons

C13-C22: diesel range petroleum hydrocarbons

C23-C40: heavy petroleum hydrocarbons

**TABLE 4**  
**Summary of Analytical Results: Volatile Organic Compounds**  
**(USEPA Method 8260B)**  
**Belvedere Middle Schoole PEA-E**

Location ID	Sample ID	Sample Date	Concentration (µg/kg)		
			m,p-Xylenes	o-Xylene	Toluene
SB-40	SB-40-3.0	04/16/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
	SB-40-5.0	04/16/19	2.98 J	1.68 J	2.43 J
SB-41	SB-41-3.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
	SB-41-3.0-FD	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
	SB-41-5.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
	SB-41-9.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
	SB-42-3.0	04/17/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
SB-42	SB-42-5.0	04/17/19	ND (<1.0)	ND (<1.0)	ND (<1.0)
Screening Level:			550,000	650,000	4,900,000

**Notes:**

Only detected compounds are shown on table. See laboratory reports for complete results.

µg/kg: micrograms per kilogram

ND indicates not detected above indicated reporting limit

-- indicates not analyzed or not available

J: estimated value

**TABLE 5**  
**Summary of Analytical Results: Organochlorine Pesticides (USEPA Method 8081A)**  
**Belvedere Middle School PEA-E**

[illegible]

**TABLE 5**  
**Summary of Analytical Results: Organochlorine Pesticides (USEPA Method 8081A)**  
**Belvedere Middle School PEA-E**

Location ID	Sample ID	Sample Date	Concentration (µg/kg)																					
			Aldrin	Total Chlordane	α-Chlordane	γ-Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor epoxide	α-BHC	β-BHC	δ-BHC	γ-BHC (Lindane)	Methoxychlor	Toxaphene
SB-15	SB-15-0.5	04/18/19	ND (<1.0)	7.21	3.86	3.35	ND (<1.0)	ND (<1.0)	1.76 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-15-0.5-FD	04/18/19	ND (<1.0)	10.8	5.08	5.7	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-15-1.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-15-2.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-16	SB-16-0.5	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-16-0.5-FD	04/18/19	ND (<1.0)	11.4	4.6	6.75	ND (<1.0)	5.07	8.74	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-16-1.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-16-2.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-17	SB-17-0.5	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-17-0.5FD	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-17-1.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-17-2.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.03 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-18	SB-18-0.5	04/18/19	ND (<1.0)	6.14	2.39	3.75	ND (<1.0)	16.1	21.5	1.22 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	3.12	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-18-0.5-FD	04/18/19	ND (<1.0)	18	8.34	9.64	1.08 J	14.3	12.2	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.75 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.12 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-18-1.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-18-2.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-19	SB-19-0.5	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	4.78	7.24	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-19-0.5FD	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	19	28.8	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-19-1.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.32 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-19-2.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-20	SB-20-0.5	04/16/19	ND (<1.0)	2.70	1.74 J	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-20-1.0	04/16/19	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	4.02	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<10)	ND (<50)
	SB-20-2.0	04/16/19	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	8.28	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<10)	ND (<50)
SB-21	SB-21-0.5	04/18/19	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND<25	ND (<125)
	SB-21-0.5FD	04/18/19	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND<25	ND (<125)
	SB-21-1.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-21-2.0	04/18/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-22	SB-22-0.5	04/16/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	2.37	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-22-1.0	04/16/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-22-2.0	04/16/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
SB-23	SB-23-0.5	04/16/19	ND (<5)	10.2	ND (<5)	5.71 J	ND (<5)	ND (<5)	8.71 J	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<25)	ND (<125)
	SB-23-1.0	04/16/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<5.0)	ND (<25)
	SB-23-2.0	04/16/19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)			

**TABLE 5**  
**Summary of Analytical Results: Organochlorine Pesticides (USEPA Method 8081A)**  
**Belvedere Middle School PEA-E**

[illegible]

**Notes:**  
 µg/kg: micrograms per kilogram  
 ND indicates not detected above indicated reporting limit  
 -- indicates not analyzed or not available  
 J: estimated value  
 DDD = dichlorodiphenyldichloroethane  
 DDE = dichlorodiphenyldichloroethylene

DDT = dichlorodiphenyltrichloroethane  
BHC: Hexachlorocyclohexane

**TABLE 6**  
**Summary of Analytical Results: Polychlorinated Biphenyls (USEPA Method 8082)**  
**Belvedere Middle School PEA-E**

Location ID	Sample ID	Date Sampled	Concentration (µg/kg)								
			Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
SB-01	SB-01-0.5	04/17/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
SB-12	SB-12-0.5	04/18/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
	SB-12-0.5-FD	04/18/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
	SB-12-1.0	04/18/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
	SB-12-1.0-FD	04/18/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
	SB-12-2.0	04/18/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
SB-24	SB-24-0.5	04/16/19	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
SB-39	SB-39-0.5	04/16/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
SB-42	SB-42-3.0	04/17/19	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)
Screening Levels:			4,100	200	170	230	230	240	240	-	-

**Notes:**

µg/kg: micrograms per kilogram

ND indicates not detected above indicated reporting limit

-- indicates not analyzed or not available

**TABLE 7**  
**Summary of Analytical Results: Total and Soluble Lead**  
**(WET and TCLP)**  
**Belvedere Middle School PEA-E**

Location ID	Sample ID	Date Sampled	Total Lead (mg/Kg)	Soluble Lead (mg/L)	
				WET	TCLP
SB-05	SB-05-0.5	04/16/19	178	0.930	ND (<0.50)
SB-18	SB-18-0.5	04/18/19	94.7	3.98	-
SB-18-S	SB-18-S-0.5	08/02/19	52.7	2.2	-
SB-18-N	SB-18-N-0.5	08/02/19	79.2	<b>7.49</b>	-
	SB-18-N-1.0	08/02/19	455	<b>12.9</b>	ND (<0.50)
SB-18-E	SB-18-E-0.5	08/02/19	108	2.65	ND (<0.50)
	SB-18-E-1.0	08/02/19	76.6	<b>5.08</b>	-
SB-18-W	SB-18-W-0.5	08/02/19	108	<b>7.18</b>	ND (<0.50)
SN-18A-E	SB-18A-E-0.5	10/09/19	83.2	4.2	-
SB-18A-W	SB-18A-W-0.5-FD	10/09/19	53	2.82	-
SB-19	SB-19-0.5	04/18/19	50.8	<b>6.1</b>	-
SB-19-N	SB-19-N-0.5	08/02/19	161	<b>5.12</b>	ND (<0.50)
SB-19B-N	SB-19B-N-0.5	10/09/19	69	3.18	-
SB-20	SB-20-1.0	04/16/19	64	<b>6.10</b>	-
	SB-20-2.0	04/16/19	94.8	<b>7.16</b>	-
SB-20-E	SB-20-E-1.0	08/01/19	273	<b>6.48</b>	ND (<0.50)
	SB-20-E-2.0	08/01/19	390	<b>6.83</b>	1.37
SB-20-W	SB-20-W-1.0	08/01/19	85.5	4.1	-
SB-22	SB-22-0.5	04/16/19	66.5	<b>5.69</b>	-
SB-22-N	SB-22-N-0.5FD	08/01/19	72.3	3.35	-
SB-23	SB-23-1.0	04/16/19	82.8	<b>5.62</b>	-
SB-23-E	SB-23-E-0.5	08/01/19	<b>2,620</b>	-	<b>32.2</b>
SB-31	SB-31-0.5	04/17/19	66.8	2.75	-
	SB-31-1.0	04/17/19	81	4.53	-
SB-31-N	SB-31-N-1.0	08/01/19	117	<b>9.11</b>	ND (<0.50)
SB-31-W	SB-31-W-0.5	08/01/19	113	<b>6.68</b>	ND (<0.50)
	SB-31-W-1.0	08/01/19	118	<b>10.4</b>	ND (<0.50)
SB-31-SW	SB-31-SW-0.5	08/01/19	82.3	2.94	-
	SB-31-SW-1.0	08/01/19	134	<b>6.83</b>	ND (<0.50)
	SB-31-SW-2.0	08/01/19	169	<b>8.19</b>	ND (<0.50)
SB-31-WA	SB-31-WA-0.5	10/09/19	56.9	3.56	-
	SB-31-WA-1.0	10/09/19	104	4.91	-
SB-33	SB-33-0.5	04/17/19	79.8	<b>7.54</b>	-
SB-33-S	SB-33-S-0.5	08/01/19	90.4	<b>5.35</b>	ND (<0.50)
	SB-33-S-0.5FD	08/01/19	274	<b>12.8</b>	ND (<0.50)
SB-33-W	SB-33-W-0.5	08/01/19	128	<b>7.09</b>	ND (<0.50)
SB-33-E	SB-33-E-0.5	08/01/19	242	<b>8.81</b>	ND (<0.50)
SB-33A-E	SB-33A-E-0.5	10/09/19	76.5	4.3	-
	SB-33A-E-1.0	10/09/19	100	<b>8.27</b>	-
SB-33A-W	SB-33A-W-0.5	10/09/19	50.7	2.33	-
SB-33A-S	SB-33A-S-0.5	10/09/19	64.1	3.33	-
	SB-33A-S-1.0	10/09/19	149	<b>8.5</b>	-
SB-33B-S	SB-33B-S-1.0	10/09/19	120	<b>9.56</b>	-
SB-34	SB-34-0.5	04/17/19	80	<b>5.11</b>	-
	SB-34-1.0	04/17/19	109	4.81	ND (<0.50)
SB-34-N	SB-34-N-0.5	08/01/19	86.6	<b>5.48</b>	-
	SB-34-N-1.0FD	08/01/19	54.2	2.51	-

**TABLE 7**  
**Summary of Analytical Results: Total and Soluble Lead**  
**(WET and TCLP)**  
**Belvedere Middle School PEA-E**

Location ID	Sample ID	Date Sampled	Total Lead (mg/Kg)	Soluble Lead (mg/L)	
				WET	TCLP
SB-34-W	SB-34-W-0.5	08/01/19	58.4	1.67	-
	SB-34-W-1.0	08/01/19	172	<b>5.11</b>	ND (<0.50)
	SB-34-W-2.0	08/01/19	52.1	1.39	-
SB-34A-NW	SB-34A-NW-0.5	10/09/19	94.9	<b>6.41</b>	-
<i>Hazardous Waste Criteria:</i>			<i>1,000</i>	<i>5</i>	<i>5</i>

**Notes:**

**Bold** indicates concentration exceeding hazardous waste criteria

- indicates not analyzed or not available

mg/L: milligrams per liter

mg/kg: milligrams per kilogram

ND: not detected above indicated reporting limit

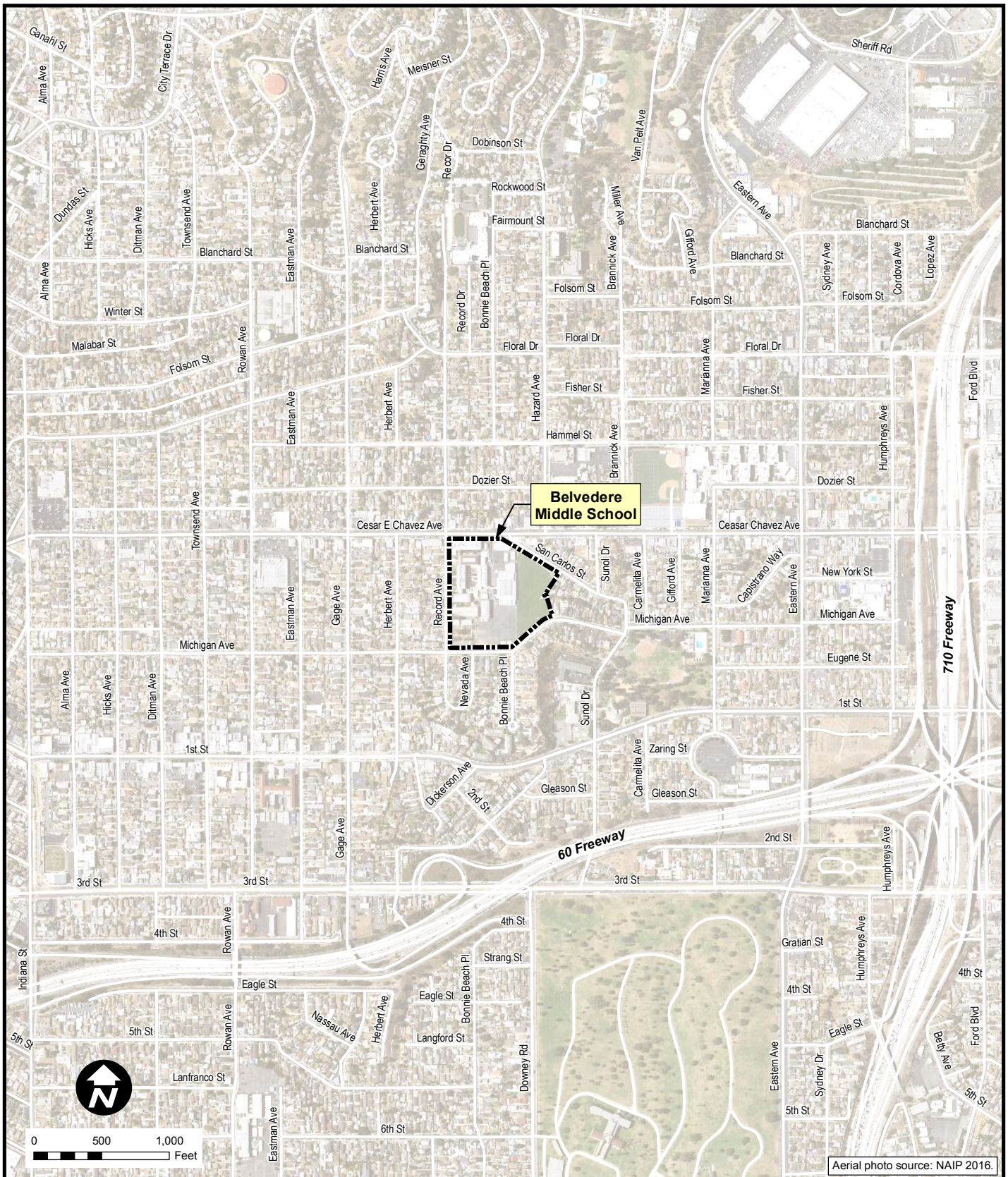
WET: Waste Extraction Test

TCLP = Toxic Characteristic Leaching Procedure



---

## FIGURES



Aerial photo source: NAIP 2016.



Belvedere Middle School  
Property Boundary

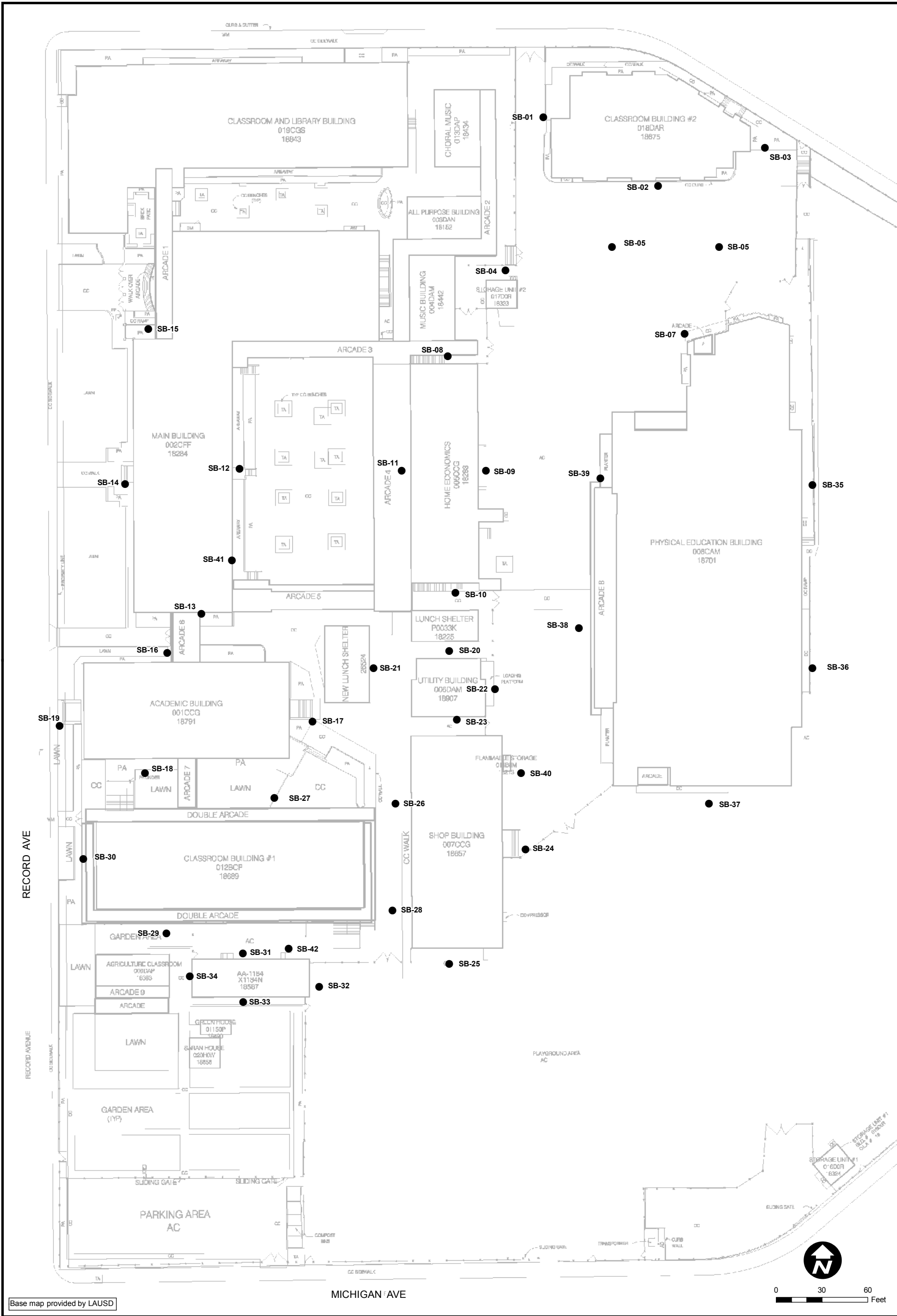
BELVEDERE MIDDLE SCHOOL

**Figure 1**  
**Site Location Map**



TETRA TECH





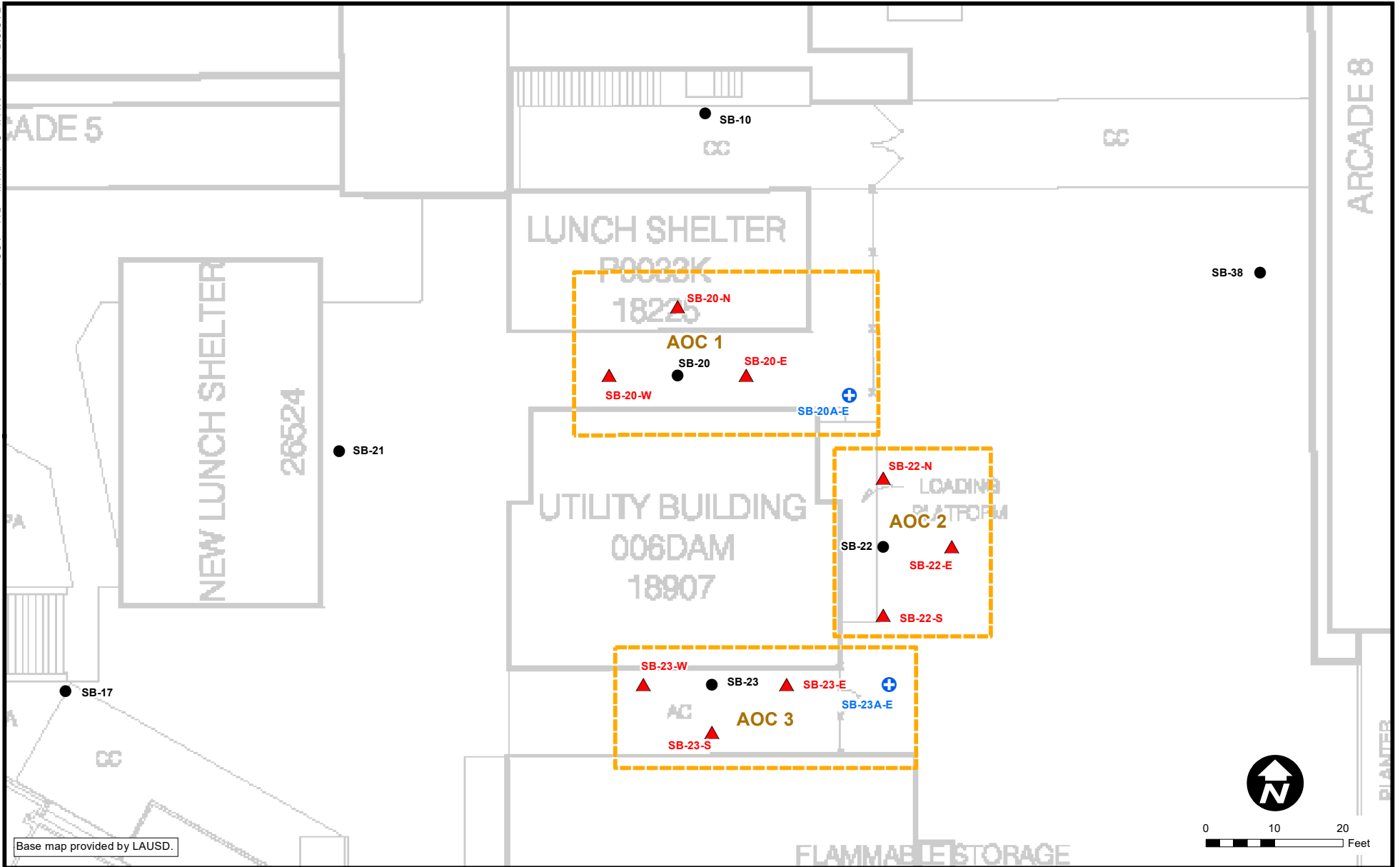
● Initial Soil Boring Location  
(4/16 to 4/18/19, Tetra Tech)

BELVEDERE MIDDLE SCHOOL

**Figure 2**  
**Initial Soil Boring**  
**Location Map**







Base map provided by LAUSD.

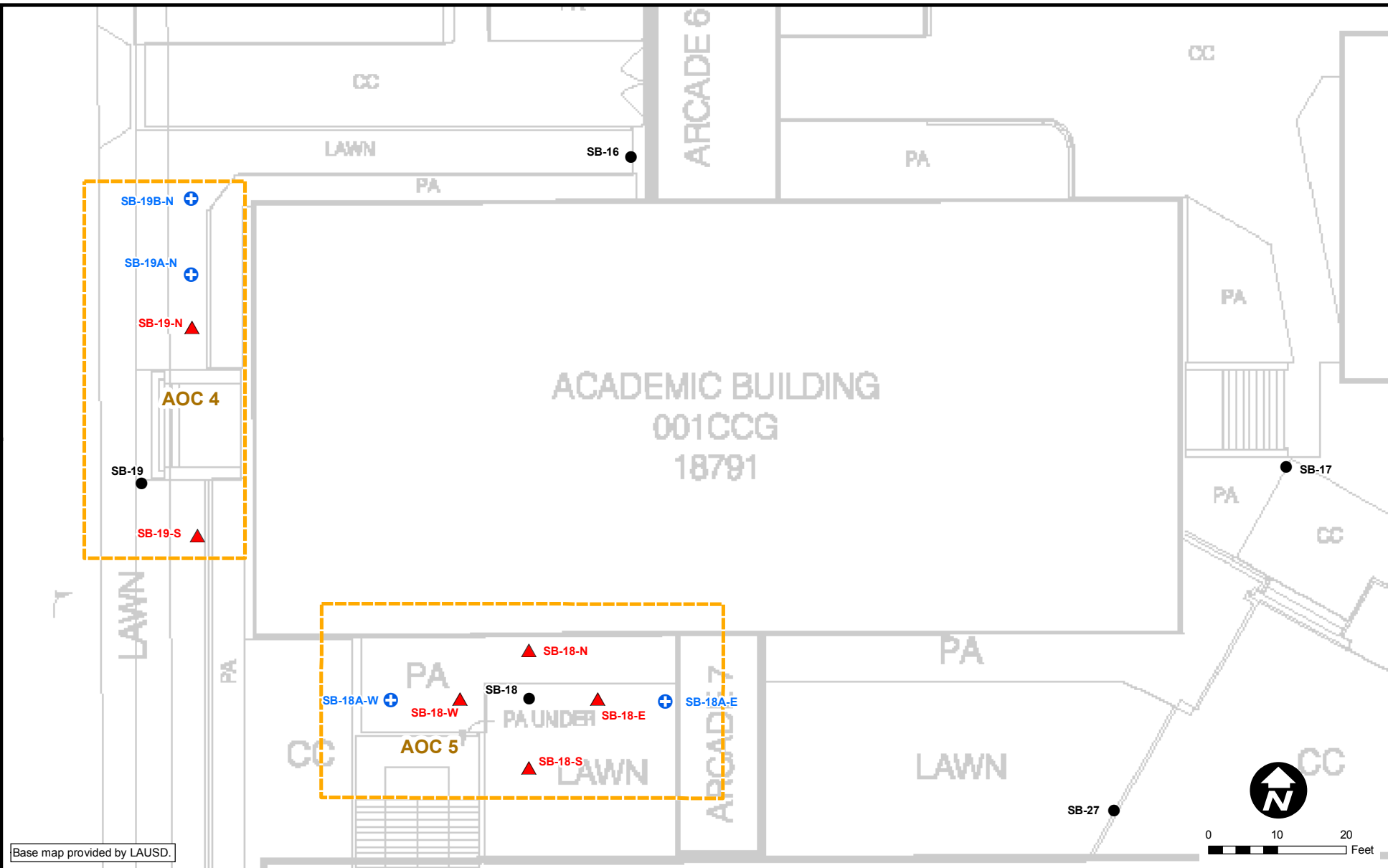
#### Boring Locations

- Primary Soil Boring  
(4/16 to 4/18/19, Tetra Tech)
- ▲ Step-out B Soil Boring  
(8/1/19 and 8/2/19, Tetra Tech)
- ⊕ Step-out C Soil Boring  
(10/9/19, Tetra Tech)

Investigation Area  
(Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 4**  
**Step-out Investigation Areas**  
**AOC-1, AOC-2, and AOC-3**



#### Boring Locations

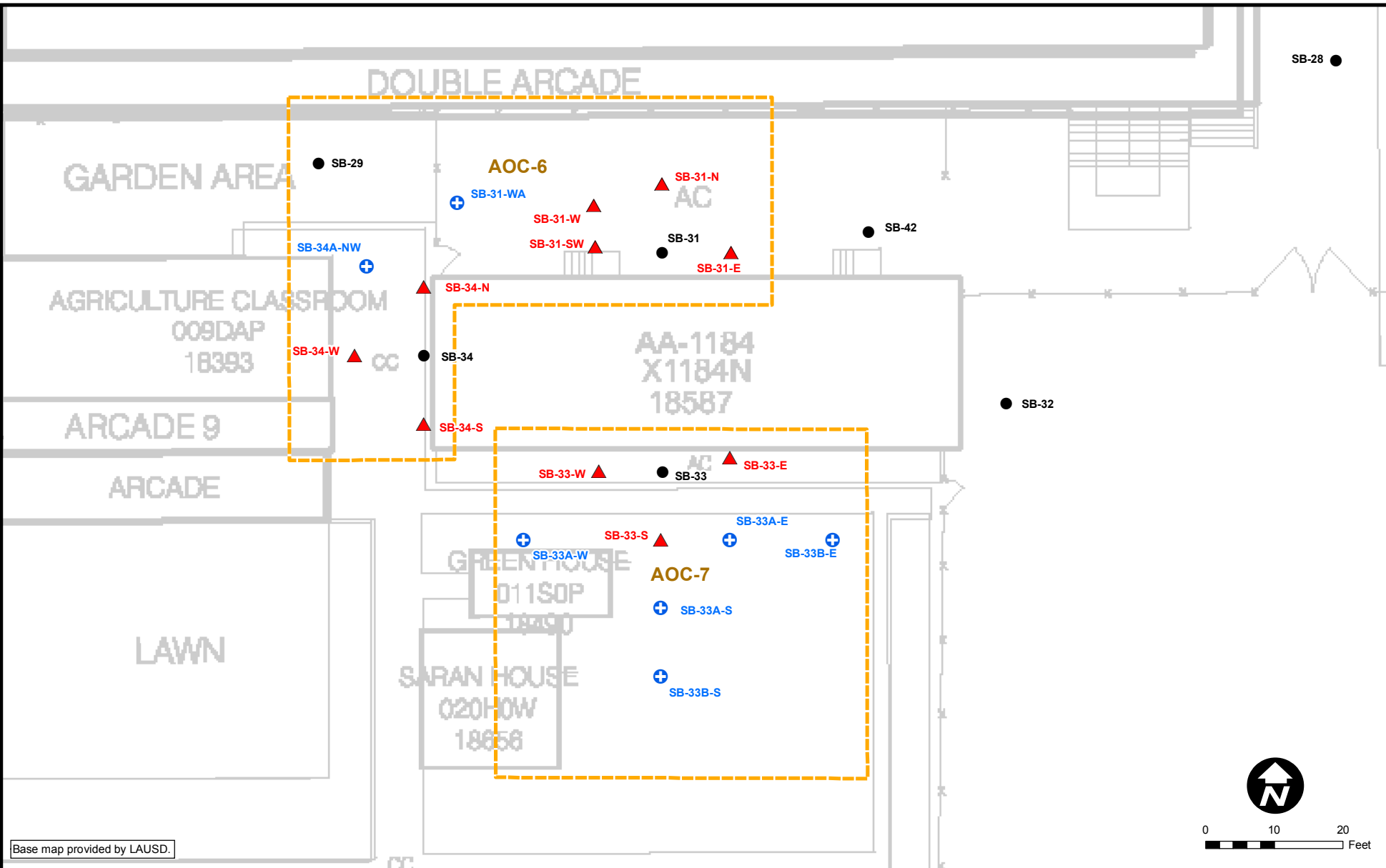
- Primary Soil Boring  
(4/16 to 4/18/19, Tetra Tech)
- ▲ Step-out B Soil Boring  
(8/1/19 and 8/2/19, Tetra Tech)
- ⊕ Step-out C Soil Boring  
(10/9/19, Tetra Tech)

Investigation Area  
(Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 5**  
**Step-out Investigation Areas**  
**AOC-4, and AOC-5**





#### Boring Locations

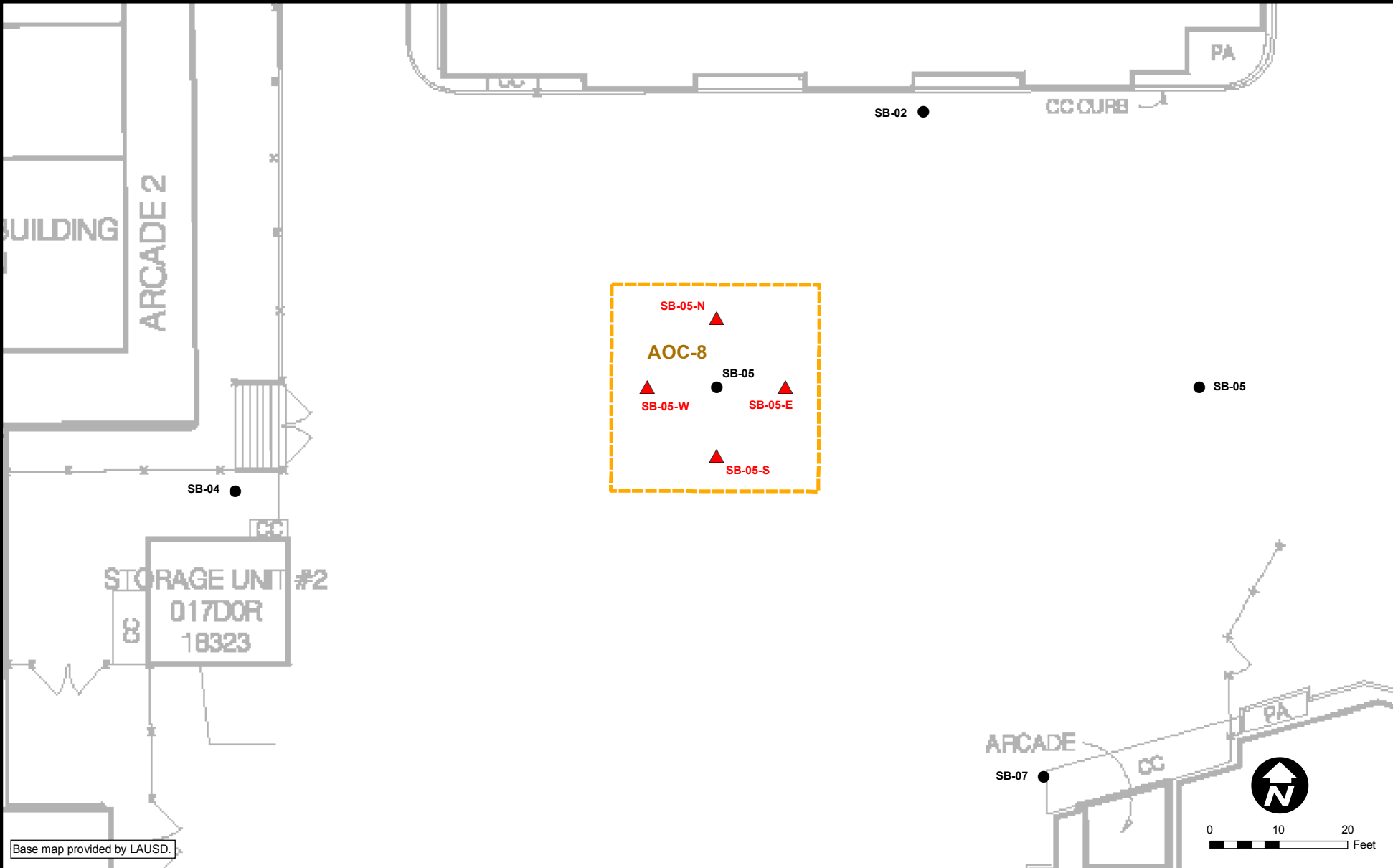
- Primary Soil Boring  
(4/16 to 4/18/19, Tetra Tech)
- ▲ Step-out B Soil Boring  
(8/1/19 and 8/2/19, Tetra Tech)
- ⊕ Step-out C Soil Boring  
(10/9/19, Tetra Tech)

Investigation Area  
(Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 6**  
**Step-out Investigation Areas**  
**AOC-6, and AOC-7**

C:\Users\brandi.devore\Documents\ArcGIS\Projects\Fig\_07\_AOC\_8\_4EAE210A-D0DD-4B00-B49B-59F8B0E8E2B7\106Classroom\_Bldg\_AOC.mxd



#### Boring Locations

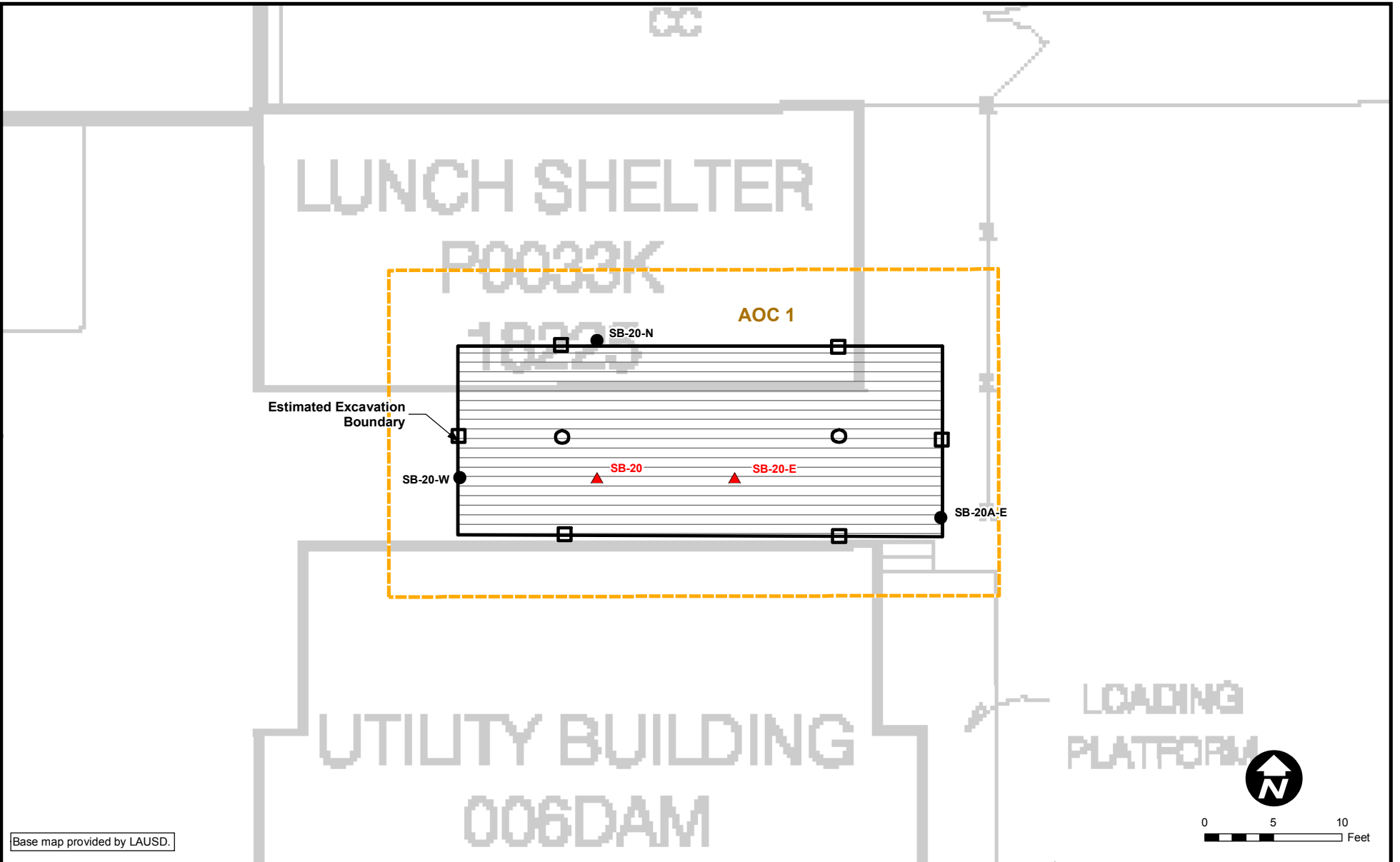
- Primary Soil Boring  
(4/16 to 4/18/19, Tetra Tech)
- ▲ Step-out B Soil Boring  
(8/1/19 and 8/2/19, Tetra Tech)

Investigation Area  
(Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 7**  
**Step-out Investigation Area**  
**AOC-8**





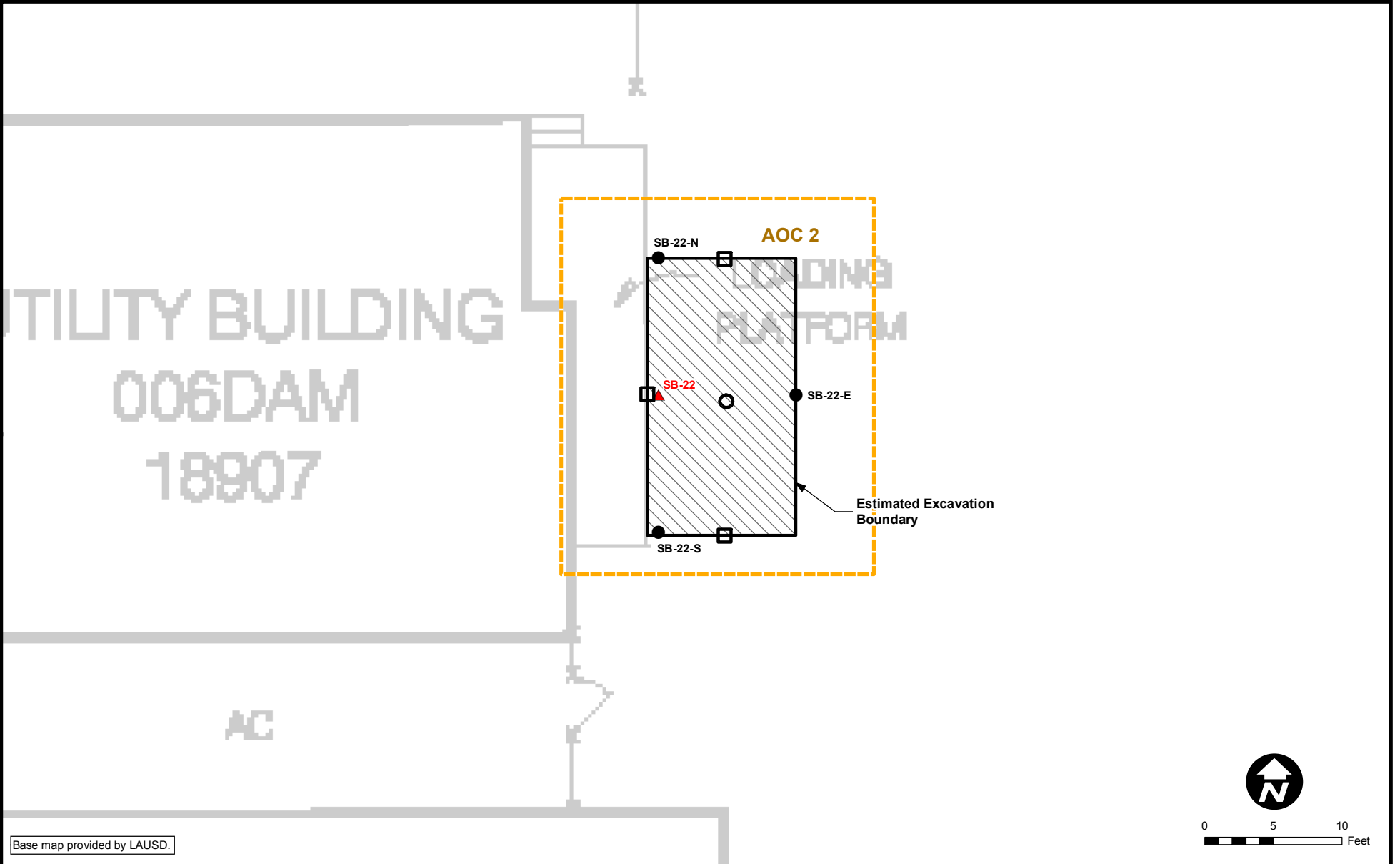
#### Boring Locations

- |                                      |  |
|--------------------------------------|--|
| ○ Confirmation Sample (bottom)       | — Limit of Excavation                        |
| □ Confirmation Sample (sidewall)     | ▨ Excavation to 3-ft (California Hazardous)  |
| ● Location defining excavation limit | ▭ Investigation Area (Area of Concern - AOC) |
| ▲ Location to be removed             |  |

BELVEDERE MIDDLE SCHOOL

**Figure 8**

**AOC-1 Estimated Excavation Limits  
for Lead Impacted Area**



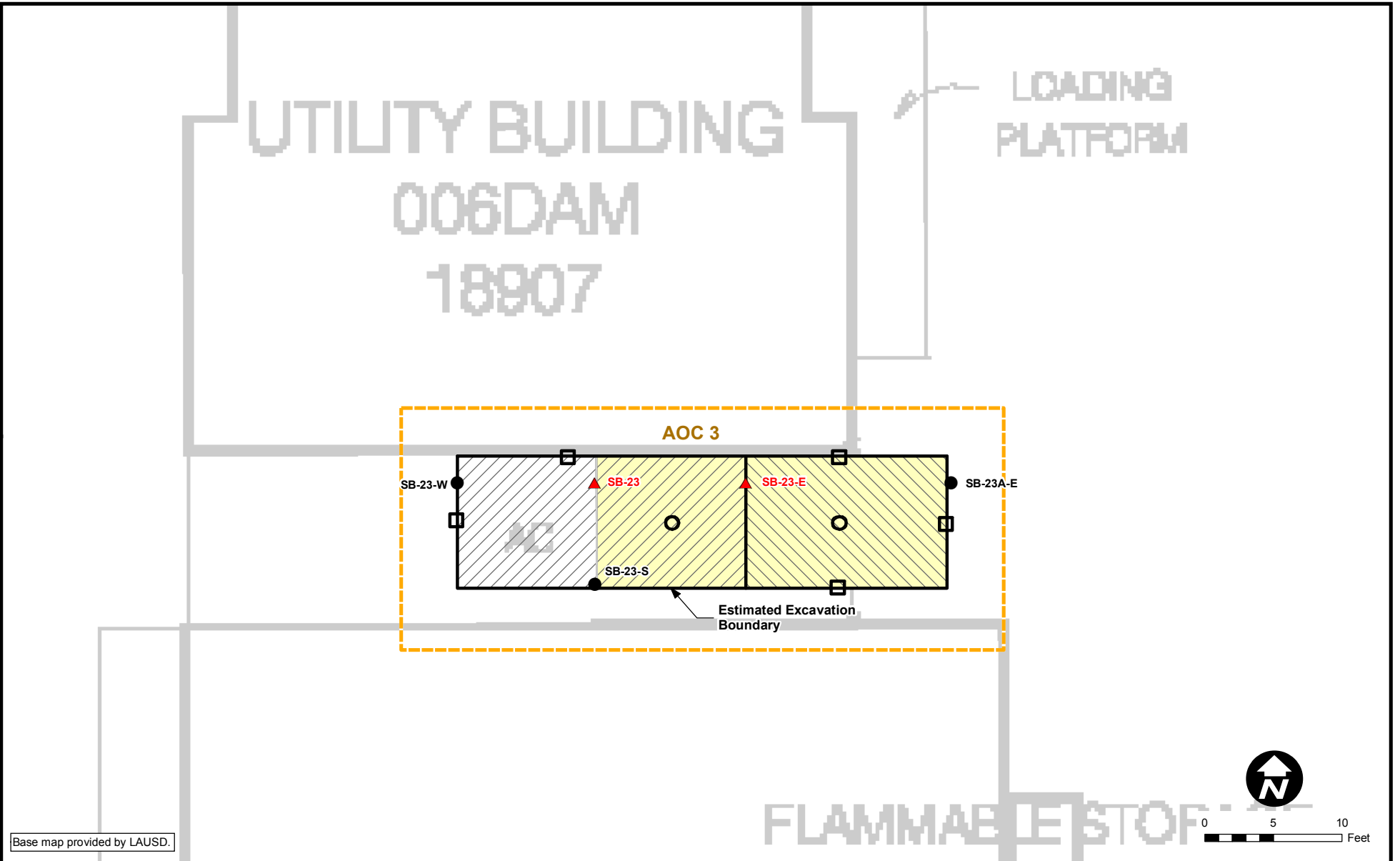
### Boring Locations

- Confirmation Sample (bottom)
- Confirmation Sample (sidewall)
- Location defining excavation limit
- ▲ Location to be removed

- Limit of Excavation
- ▨ Excavation to 1-ft (California Hazardous)
- ▭ Investigation Area (Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 9**  
**AOC-2 Estimated Excavation Limits**  
**for Lead Impacted Area**



### Boring Locations

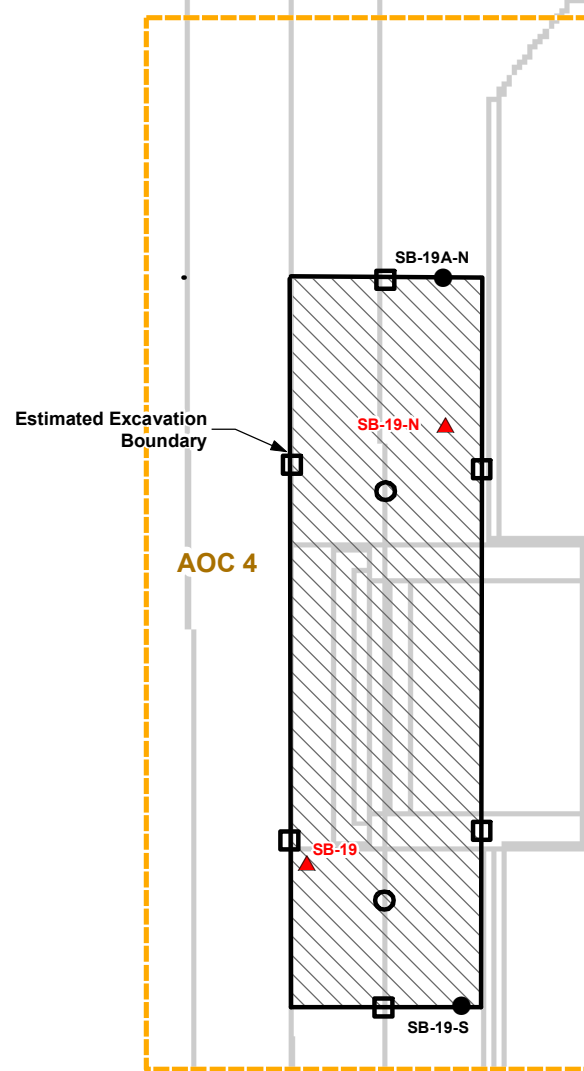
- Confirmation Sample (bottom)
- Confirmation Sample (sidewall)
- Location defining excavation limit
- ▲ Location to be removed

- Limit of Excavation
- ▨ Excavation to 2-ft (California Hazardous)
- ▨ Excavation to 2-ft (RCRA hazardous with yellow tint)
- ▨ Excavation to 1-ft (RCRA hazardous with yellow tint)

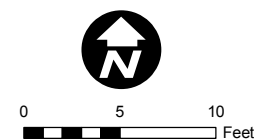
- ▭ Investigation Area (Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 10**  
**AOC-3 Estimated Excavation Limits for Lead Impacted Area**



Base map provided by LAUSD.



### Boring Locations

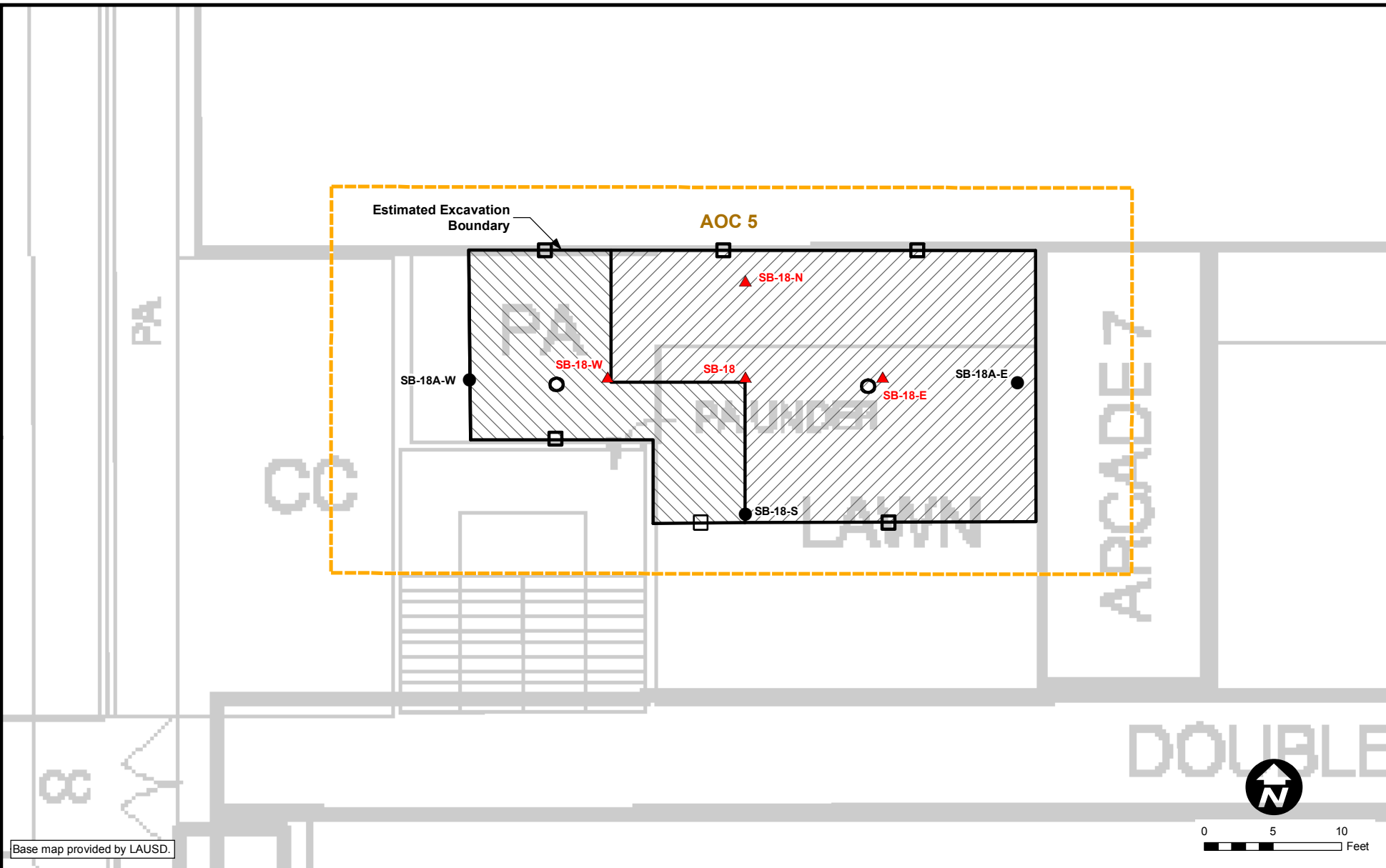
- Confirmation Sample (bottom)
- Confirmation Sample (sidewall)
- Location defining excavation limit
- ▲ Location to be removed

- Limit of Excavation
- ▨ Excavation to 1-ft (California Hazardous)
- ▭ Investigation Area (Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 11**  
**AOC-4 Estimated Excavation Limits**  
**for Lead Impacted Area**





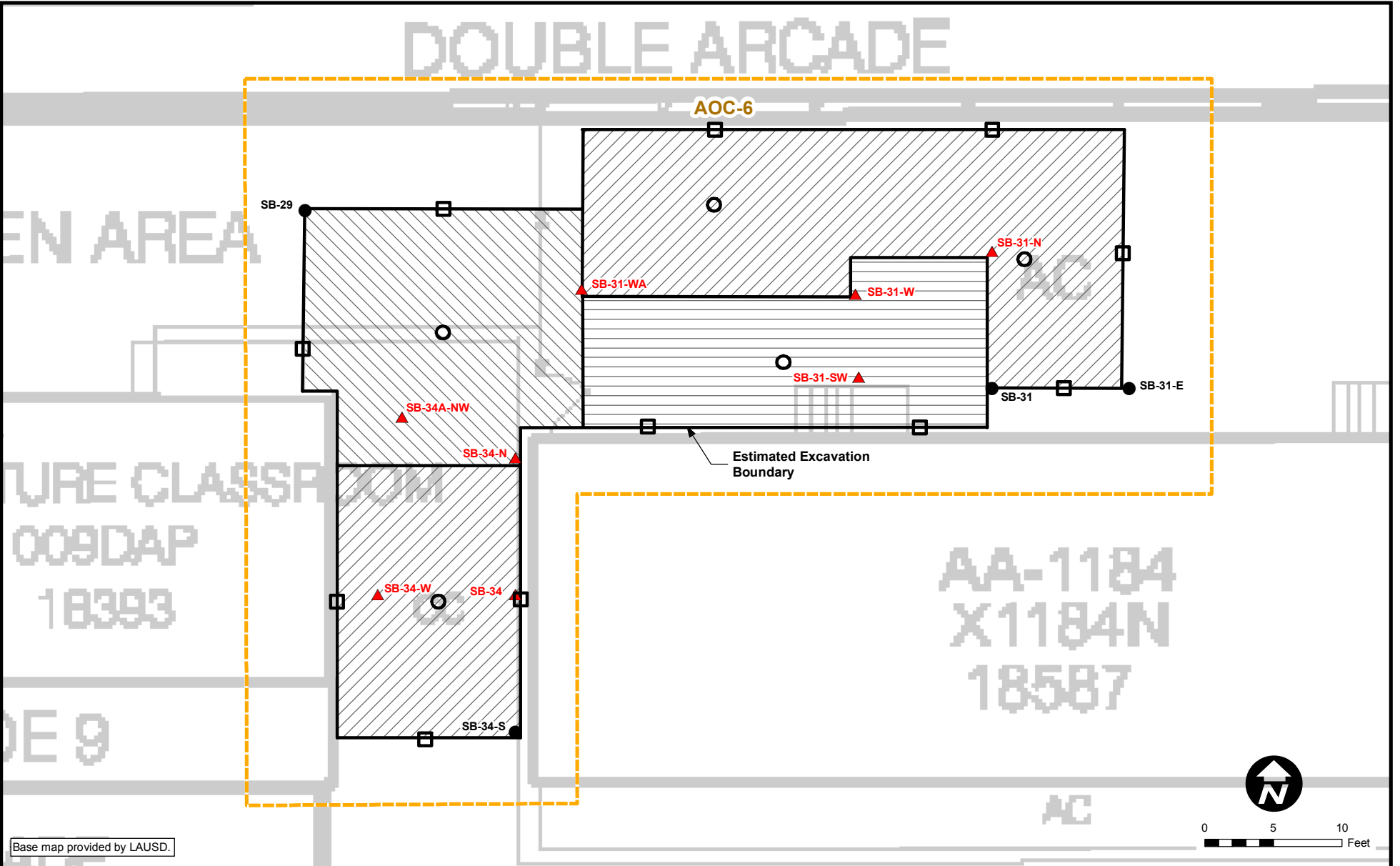
### Boring Locations

- Confirmation Sample (bottom)
- Confirmation Sample (sidewall)
- Location defining excavation limit
- ▲ Location to be removed

- Limit of Excavation
- ▨ Excavation to 1-ft (California Hazardous)
- ▩ Excavation to 2-ft (California Hazardous)
- ▭ Investigation Area (Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 12**  
**AOC-5 Estimated Excavation Limits for Lead Impacted Area**



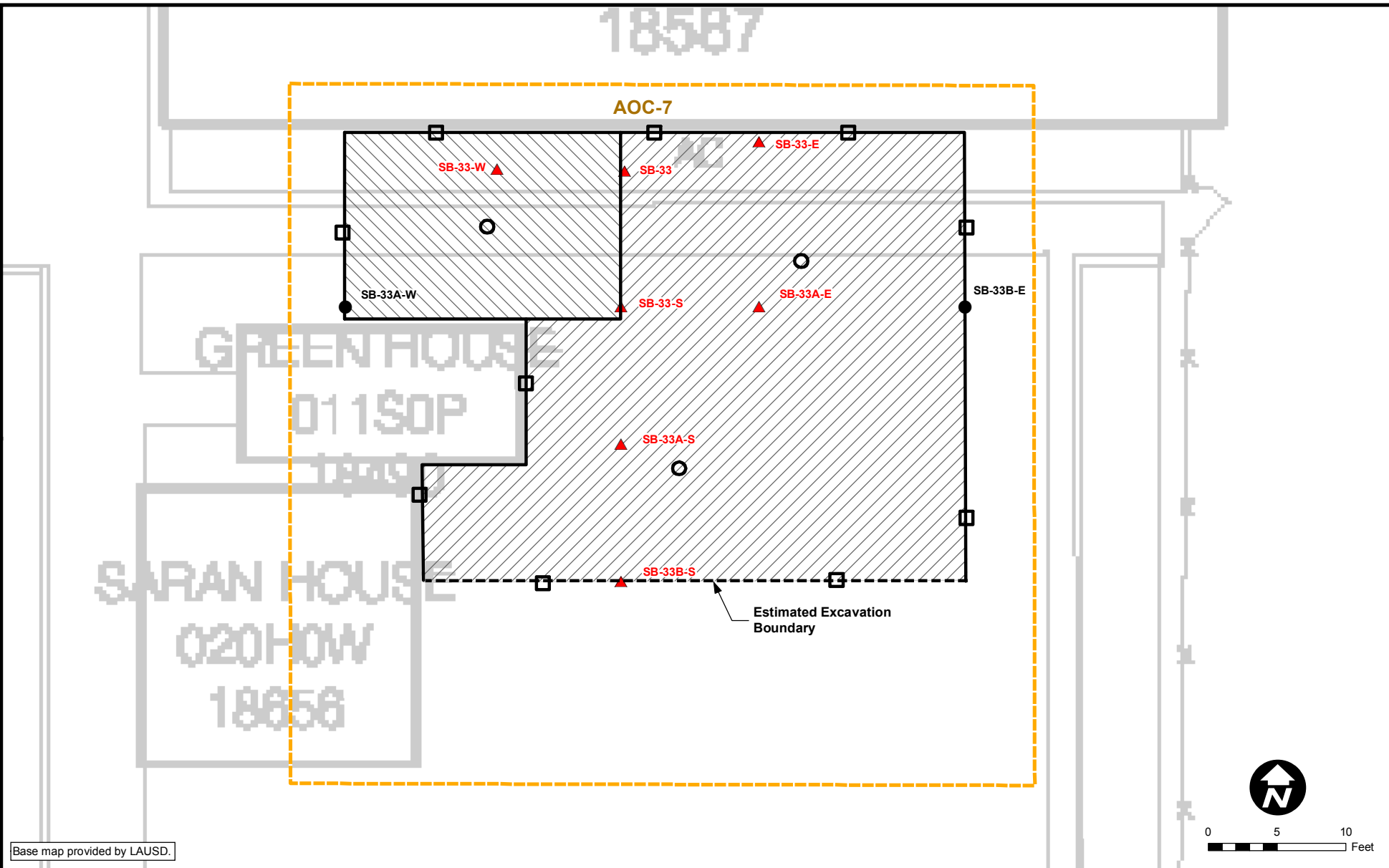
### Boring Locations

- Confirmation Sample (bottom)
- Confirmation Sample (sidewall)
- Location defining excavation limit
- ▲ Location to be removed

- Limit of Excavation
- ▨ Excavation to 1-ft (California Hazardous)
- ▩ Excavation to 2-ft (California Hazardous)
- ▧ Excavation to 3-ft (California Hazardous)
- ▭ Investigation Area (Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

**Figure 13**  
**AOC-6 Estimated Excavation Limits for Lead Impacted Area**



### Boring Locations

- Confirmation Sample (bottom)
- Confirmation Sample (sidewall)
- Location defining excavation limit
- ▲ Location to be removed

- Limit of Excavation
- - - Estimated Excavation Limits
- ▨ Excavation to 1-ft (California Hazardous)
- ▩ Excavation to 2-ft (California Hazardous)

- ▭ Investigation Area (Area of Concern - AOC)

BELVEDERE MIDDLE SCHOOL

### Figure 14

**AOC-7 Estimated Excavation Limits  
for Lead Impacted Area**



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## APPENDIX A: PHOTO LOG



## Appendix A Photograph Log



SB-23A-E looking W  
09/18/2019 09:18



SB-20A-E looking W  
09/18/2019 09:22



SB-18A-W looking E  
09/18/2019 09:40



SB-18 SB-18-E SB-18A-E looking N  
09/18/2019 09:43

## Appendix A Photograph Log



SB-18-W SB-18 looking N  
09/18/2019 09:43



SB-18-W looking N  
09/18/2019 09:44



SB-33A-S SB-33-S SB-33A-W locations  
looking SW  
09/18/2019 10:05



SB-33A-E and SB-33B-E locations looking  
S  
09/18/2019 10:05



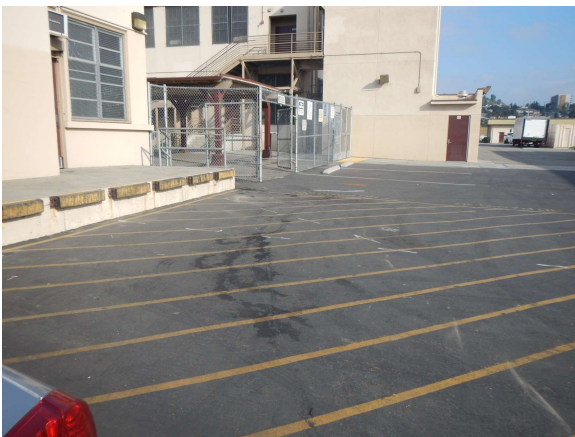
## Appendix A Photograph Log



SB-19A-N and SB19B-N locations looking  
E  
09/18/2019 10:20



SB-23A-E  
10/09/2019 09:12



SB-20A-E lkg North  
10/09/2019 09:12

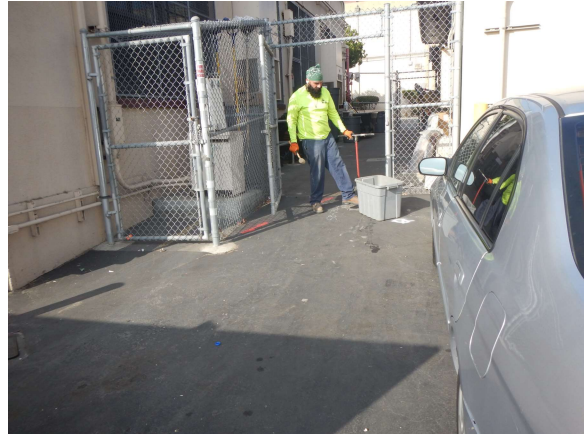


SB-20A-E lkg West  
10/09/2019 09:17

## Appendix A Photograph Log



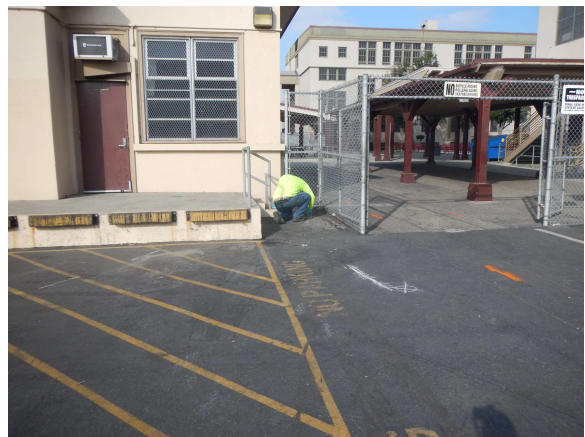
USA markings by SB-23A-E  
10/09/2019 09:18



SB-23A-E hand augering  
10/09/2019 09:18



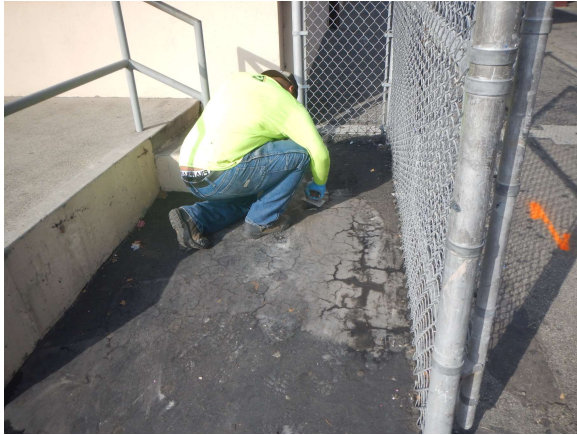
SB-23A-E backfilling auger  
10/09/2019 09:24



Backfilling SB-20A-E  
10/09/2019 09:24



## Appendix A Photograph Log



Backfilling  
10/09/2019 09:24



SB-33 area  
10/09/2019 10:11



USA marking SB-33 area  
10/09/2019 10:11



Augering SB-33  
10/09/2019 10:11

## Appendix A Photograph Log



AOC 5 after placement of geotextile and  
mulch  
11/12/2019 11:40



Unpaved portion of AOC 6 after placement  
of geotextile and mulch  
11/12/2019 11:44



Mulch thickness in unpaved portion of AOC  
6  
11/12/2019 11:44

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## APPENDIX B: 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*

April 8, 2019

**TO:** Neighbors and Community Members of  
Belvedere Middle School

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

**REGARDING:** Preliminary Environmental Assessment  
Belvedere Middle School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of Belvedere Middle School, located at 312 North Record Avenue, Los Angeles, CA 90063. The PEA 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 in its place. 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 phase focusing on the areas where portable classrooms are currently located is anticipated to be completed in May 2019 and scheduled to begin on the week of April 15, 2019 during LAUSD's Spring Recess. Field work is scheduled to be conducted between 7:00 am and 5:00 pm.

The results of the investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any of the 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 Jennifer Hilario, LAUSD Office of Environmental Health and Safety, Site Assessment Project Manager at (213) 241-4261 (email at [jennifer.hilario@lausd.net](mailto:jennifer.hilario@lausd.net)).



# Distrito Escolar Unificado de Los Ángeles

## Oficina de Salud y Seguridad Ambiental

AUSTIN BEUTNER  
*Superintendente General de Escuelas*

VIVIAN EKCHIAN  
*Director Ejecutivo, Oficina de Servicios de la Educación*

CARLOS A. TORRES  
*Director, Salud y Seguridad Ambiental*

JENNIFER FLORES  
*Sub Director, Salud y Seguridad Ambiental*

8 de abril de 2019

PARA: Vecinos y Miembros de la Comunidad de  
Belvedere Middle School

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

SOBRE: Evaluación Preliminar Ambiental  
Belvedere Middle School, Los Ángeles, California

El Distrito Escolar Unificado de Los Ángeles (LAUSD, por sus siglas en inglés) - Oficina de Salud y Seguridad Ambiental (OEHS, por sus siglas en inglés) desea proporcionarle un aviso por adelantado para una Evaluación Ambiental Preliminar (PEA, por sus siglas en inglés) que se llevará a cabo dentro de los límites de la escuela Belvedere Middle School, ubicada en 312 North Record Avenue, Los Ángeles, CA 90063. El PEA se llevará a cabo en la mayor parte del campus, programado para someterse a una modernización integral.

Un contratista con licencia, que trabaja en nombre del LAUSD, realizará la investigación ambiental bajo la supervisión del LAUSD-OEHS, que es independiente de la División de Servicios de Instalaciones del LAUSD (LAUSD-FSD). (El LAUSD-FSD es la Rama responsable del desarrollo y la construcción del proyecto de modernización integral). Toda la investigación ambiental consistirá en muestreos en ubicaciones en el campus donde se demolerán las instalaciones existentes (según sea necesario) y nuevos edificios/pavimentos/paisajismo se construirán en su lugar. Las muestras de suelo se analizarán en busca de arsénico residual, pintura a base de plomo, bifenilos policlorados (PCB, por sus siglas en inglés) y pesticidas organoclorados (OCP, por sus siglas en inglés). Si es necesario, se realizará una limpieza del suelo antes de las actividades de construcción para proteger a los estudiantes, profesores y personal.

Se anticipa que la fase de trabajo de campo que se enfoca en las áreas donde se ubican actualmente las aulas portátiles se completará en mayo de 2019 y se prevé que comience en la semana del 15 de abril de 2019 durante el Receso de Primavera del LAUSD. El trabajo de campo está programado para realizarse entre las 7:00 AM y las 5:00 PM.

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

Si tiene alguna pregunta con respecto a la próxima investigación ambiental u otras actividades relacionadas para el proyecto propuesto, comuníquese con Jennifer Hilario, Directora del Proyecto de Evaluación del Sitio de la Oficina de Salud y Seguridad Ambiental del LAUSD al (213) 241-4261 (envíe un correo electrónico a [jennifer.hilario@lausd.net](mailto:jennifer.hilario@lausd.net)).

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## APPENDIX C: BORING LOGS



Tetra Tech, Inc.  
301 E. Vanderbilt Way, Suite 450  
San Bernardino, CA 92408  
Telephone: (909) 381-1674  
Fax: (909) 889-1391

# BORING NUMBER SB-01

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 5/3 Silt with sand. Non-plastic, low toughness, soft, with fine-grained sand, moist
	GB			1.0
		ML		(ML) As above with gravel to 20mm and roots throughout
	GB			2.0
2.5	ML			(ML) 7.5YR 5/6 Silt with sand and gravel. Non-plastic, low toughness, soft, with fine sand and gravel to 15mm, moist
				2.5

Bottom of borehole at 2.5 feet.



Tetra Tech, Inc.  
301 E. Vanderbilt Way, Suite 450  
San Bernardino, CA 92408  
Telephone: (909) 381-1674  
Fax: (909) 889-1391

# BORING NUMBER SB-02

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 7"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 7.5 YR 2.5/3 Poorly graded sand. Fine-grained with 15% coarse-grained sand, medium density, trace silt, moist
	GB	SP		1.0 (SP) As above with gravel to 1.5" and cobbles
		SP		1.5 (SP) -Color change to 7.5 YR 5/6
	GB	SW		2.0 (SW) 7.5 YR 5/5 Well graded sand, medium density, trace silt, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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301 E. Vanderbilt Way, Suite 450  
San Bernardino, CA 92408  
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Fax: (909) 889-1391

# BORING NUMBER SB-03

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 7.5 YR 4/6 Poorly graded sand. Fine sand with 10% medium-grained sand, trace silt, medium density, moist
	GB			1.0
		SP-SM		(SP-SM) Poorly graded sand with silt. As above with 10% silt and trace coarse sand to 2mm
	GB			2.0
		SP		(SP) 7.5 YR 4/3 Poorly graded sand. Fine sand with 10% medium-grained sand, medium density, trace silt, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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301 E. Vanderbilt Way, Suite 450  
San Bernardino, CA 92408  
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Fax: (909) 889-1391

# BORING NUMBER SB-04

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 7"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/4 Silt with sand and gravel. Non-plastic, firm, low toughness, with fine to coarse sand and gravel to 5mm, moist
	GB			1.0
		ML		(ML) 10 YR 4/3 Silt with sand. Low plasticity, low toughness, soft, with fine-grained sand and trace gravel to 4mm, moist
	GB			2.0
		ML		(ML) -As above with color change to 7.5 YR 3/4
2.5				2.5

Bottom of borehole at 2.5 feet.



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301 E. Vanderbilt Way, Suite 450  
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Telephone: (909) 381-1674  
Fax: (909) 889-1391

# BORING NUMBER SB-05

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/3 Silt with sand. Non-plastic, firm, low toughness, with medium and trace coarse sand, moist
	GB			(SM) 7.5 YR 4/4 Silty sand. Poorly graded, medium density, 10% gravel to 15mm, moist
		SM		
	GB			
2.5				

Bottom of borehole at 2.5 feet.



Tetra Tech, Inc.  
301 E. Vanderbilt Way, Suite 450  
San Bernardino, CA 92408  
Telephone: (909) 381-1674  
Fax: (909) 889-1391

# BORING NUMBER SB-05-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/4 Sandy silt. About 80% non-plastic fines with 20% fine to coarse sand, moist, firm, no odor or staining
	GB			
			1.5	
	GB	SM		(SM) 7.5 YR 4/4 Silty sand. About 60% fine sand with 40% non-plastic fines, moist, loose, no odor or staining
2.5			2.5	

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-05-N

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/4 Sandy silt. About 70% non-plastic fines with 30% fine to coarse sand, moist to dry, firm, no odors or staining.
	GB			1.0
				(SM) 7.5 YR 4/3 Silty sand. About 60% fine to medium sand with 40% non-plastic fines, moist to dry, medium dense
	GB	SM		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-05-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(CL) 7.5 YR 4/4 Lean clay. About 90% fines with low plasticity with 10% medium sand, moist, hard, no odor or staining
	GB	CL		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-05-W

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 5/4 Sandy silt. About 90% non-plastic fines with 10% fine sand, moist to dry, medium dense, no odor or staining
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-06

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(SW) 7.5 YR 4/6 Well graded sand. Loose, moist, trace silt and little to trace gravel to 5mm
	GB	SW		
	GB			
				2.0
	GB	SW-SM		(SW-SM) 7.5 YR 4/6 Well graded sand with silt. Medium density, moist, little gravel, to 5mm
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-07

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/4 Silty sand. Fine-grained sand, 10% medium-grained, 5% coarse-grained to 2mm, medium density, moist
	GB			1.0
		SM		(SM) -As above with color change to 7.5 YR 4/6
	GB			2.0
		SM		(SM) As above with 10% gravel to 5mm
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-08

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 7"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 10 YR 4/6 Silt with sand. Low plasticity, low toughness, very soft, trace medium-grained sand, moist
	GB			0.8
				(ML) 10 YR 4/6 Silt. Low plasticity, low toughness, very soft, trace medium-grained sand, moist
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-09

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/3 Silt. Non-plastic, low toughness, soft, fine-grained sand, moist
	GB			1.0 (ML) 7.5 YR 3/3 Silt. Non-plastic, soft, low toughness, trace fine-grained sand, moist
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-10

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 7"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/2 Silty sand. Fine-grained with trace medium-grained sand, poorly graded, medium density, moist
	GB			0.8
				(ML) 7.5 YR 4/3 Silt. Low plasticity, low toughness, soft, moist, trace medium-grained sand, moist
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-11

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 7"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 3/3 Silty sand. Poorly graded, fine-grained with 20% medium and trace coarse-grained sand, medium density, moist
	GB			(ML) 7.5 YR 3/2 Silt. Low plasticity, soft, low toughness, trace fine-grained sand, moist
		ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-12

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 3/3 Silty sand. Poorly graded, fine-grained, moist
	GB			
				0.8
	GB			(SP) 7.5 YR 4/4 Poorly graded sand. Fine-grained, 10% medium-grained sand, trace gravel to 5mm, medium density, moist
		SP		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-13

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 4/4 Silt. Non-plastic, soft, low toughness, with trace fine-grained sand, moist
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-14

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 10 YR 3/2 Sandy silt. Non-plastic, firm, low toughness, with 10% gravel to 10mm and 20% coarse sand, moist
	GB			1.0
		SP		(SP) 10 YR 4/4 Poorly graded sand. Fine-grained sand, 10% coarse sand with trace silt, dense, moist
				1.8
	GB	ML		(ML) 10YR 4/5 Silt. Low plasticity, firm, low toughness, trace fine-grained sand, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-15

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 5/3 Silt with sand. Non-plastic, low toughness, soft, with fine-grained and trace medium-grained sand, moist to dry
	GB			1.0
				(ML) As above with 10% gravel to 20mm
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-16

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/4 Silty sand. Poorly graded, 10% fine-grained sand, 10% medium-grained sand, 10% coarse-grained sand, medium density, moist
	GB	SM		1.0 (SM) As above with more silt
	GB	ML		1.9 (ML) 7.5 YR 3/4 Silt. Non-plastic, low toughness, soft, trace fine-grained sand, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-17

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 3/2 Silty sand. Fine-grained with 10% medium and 15% coarse-grained sand, medium density, poorly graded, moist
	GB			1.1
		ML		(ML) 7.5 YR 3/3 Silt. Low plasticity, low toughness, soft, fine-grained sand, moist
				1.8
	GB	ML		(ML) -As above, wet
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-18

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt. Non-plastic, low toughness, soft, 10% fine-grained sand, moist
	GB			
				1.5
	GB	SP		(SP) 7.5 YR 4/4 Poorly graded sand. Medium-grained with 10% fine and 20% coarse-grained sand, trace silt, medium density, moist
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-18-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/2/19	COMPLETED	8/2/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 3/4 Silt. About 90% non-plastic fines with 10% fine-grained sand, moist, soft, no odor or staining, roots present
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-18-N

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/2/19	COMPLETED	8/2/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/4 Silt. About 90% non-plastic fines with 10% medium sand, moist, soft, no odor or staining
	GB			
				1.5
	GB	SP		(SP) 7.5 YR 4/3 Poorly graded sand. About 95% fine to medium sand with 5% non-plastic fines, moist to dry, medium dense, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-18-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/2/19	COMPLETED	8/2/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 9"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	CL		(CL) 7.5 YR 3/3 Lean clay. 100% low plasticity fines, trace sand, moist, soft, no odor or staining
	GB			1.0
		SP		(SP) 7.5 YR 4/4 Poorly graded sand. 100% fine to medium sand with trace fines, loose, no odor or staining
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-18-W

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/2/19	COMPLETED	8/2/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/6 Silt. About 90% non-plastic fines with 10% fine to medium sand, moist to dry, hard, no odor or staining
	GB DUP			
				1.5
	GB	SM		(SM) 7.5 YR 4/6 Silty sand. About 85% fine sand with 15% non-plastic fines, moist to dry, loose, no stain or odor
2.5				2.5

Bottom of borehole at 2.5 feet.


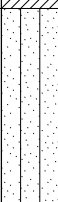


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# BORING NUMBER SB-18A-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	CL		(CL) 7.5 YR 4/4 Lean clay. 100% fines with medium plasticity and trace fine-grained sand, moist, soft, no odor or staining
	GB			1.0
		SM		(SM) 7.5 YR 4/4 Silty sand. About 65% fine to medium sand with 35% non-plastic fines, moist to dry, loose, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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<b>CLIENT</b> LAUSD	<b>PROJECT NAME</b> BELVEDERE MS
<b>PROJECT NUMBER</b> 102-HMG-T37254.07	<b>PROJECT LOCATION</b> 312 N. Record Avenue, Los Angeles, California
<b>DATE STARTED</b> 10/9/19 <b>COMPLETED</b> 10/9/19	<b>GROUND ELEVATION</b> <b>HOLE SIZE</b> 4
<b>DRILLING CONTRACTOR</b> Strongarm	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Hand Auger	<b>AT TIME OF DRILLING</b> ---
<b>LOGGED BY</b> Eric Nelson <b>CHECKED BY</b> Mark Feldman	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/4 Silty sand. About 75% fine to medium sand with 25% non-plastic fines, moist to dry, dense, no odor or staining, some roots present
	GB			1.0
		ML		(ML) 7.5 YR 4/4 Silt. 100% non-plastic fines with trace medium-grained sand, moist to dry, soft, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-19

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/18/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/2 Silt with sand. Non-plastic, low toughness, soft, coarse-grained sand to 1.5mm, moist
	GB			1.0
		ML		(ML) Silt. As above with trace coarse-grained sand
	GB			2.0
		ML		(ML) As above with no sand
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-19-N

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/2/19	COMPLETED	8/2/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 3/4 Silt. About 90% non-plastic fines with 10% fine to medium sand, moist, soft, no odor or staining
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-19-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/2/19	COMPLETED	8/2/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) Silt with sand. About 75% non-plastic fines with 25% fine to coarse sand, moist, soft, no odor or staining
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-19A-N

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt with sand. About 80% non-plastic fines with 20% fine to medium sand, moist to dry, soft, no odor or staining
	GB			1.0
		ML		(ML) 7.5 YR 3/4 Silt. 100% non-plastic fines with trace fine to medium sand, moist to dry, soft, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-19B-N

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 5/3 Silt with sand. About 80% non-plastic fines with 20% medium-grained sand, moist, very soft, abundant roots
	GB			1.0
		ML		(ML) 7.5 YR 4/4 Silt. 100% non-plastic fines with trace fine sand, moist to dry, hard, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-20

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 5"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/3 Silt with sand. Low plasticity, low toughness, soft, medium to coarse-grained sand to 2mm, moist
	GB			1.0
		ML		(ML) As above with fine sand
	GB			2.0
		ML		(ML) 10 YR 3/3 Silt with sand. Non-plastic, low toughness, firm, fine-grained sand with trace coarse grained sand to 1mm, moist
2.5				2.5

Bottom of borehole at 2.5 feet.


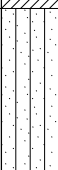


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# BORING NUMBER SB-20-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 5"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	CL		(CL) 7.5 YR 4/6 Lean clay. About 95% fines with medium plasticity and trace to 5% fine sand, moist, firm, no odor or staining
	GB			1.0
	GB	ML		(ML) 7.5 YR 4/4 Silt with sand. About 85% non-plastic fines with 15% fine to medium sand, soft, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-20-N

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 3/4 Sandy silt. About 65% non-plastic fines with 30% fine to coarse sand and 5% fine gravel to 0.5", moist to dry, firm, no staining or odor
	GB	ML		
	GB DUP	ML		2.0 (ML) At 2 feet bgs, no gravel
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-20-W

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt with sand. About 80% non-plastic fines with 20% fine to medium sand, moist, hard, no odor or staining
	GB			
				1.5
	GB	ML		(ML) 7.5 YR 4/4 Silt. firm
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-20A-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP-SM		(SP-SM) 7.5 YR 2.5/3 Poorly graded sand with silt. About 90% fine sand with 10% non-plastic fines, moist, loose, no odor or staining
	GB	CL		(CL) 7.5 YR 3/3 Lean clay. About 95% fines with low plasticity with 5% fine-grained sand, moist to wet, soft, no odor or staining
		CH		(CH) 5 YR 3/4 Fat clay. 100% fines with high plasticity and trace fine sand, moist, soft, no odor or staining
2.5				

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-21

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 10"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 3/3 Silty sand. Non-plastic, soft, fine and medium-grained sand, 10% gravel to 15mm, moist
	GB			
				1.5
				(SM) As above with black charcoal-like substance throughout
	GB	SM		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-22

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
				(ML) 7.5 YR 4/3 Silt with sand. Low plasticity, firm, low toughness, fine and medium-grained sand, moist
		ML		
	GB			1.0
		SM		(SM) 7.5 YR 3/4 Silty sand. Fine-grained, medium density, poorly graded, moist
				1.5
				(SM) 7.5 YR 4/6 As above with trace coarse grained sand to 2mm
	GB	SM		
2.5				2.5

Bottom of borehole at 2.5 feet.

GB



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# BORING NUMBER SB-22-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 5/2 Silty sand with gravel. About 65% fine to coarse sand with 20% non-plastic fines and 15% fine gravel to 0.5", medium dense, no odor or staining
	GB			1.0
				(ML) 7.5 YR 4/4 Silt with sand. About 85% non-plastic fines with 15% fine sand, moist, soft, no odor or staining
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



## PAGE 1 OF 1

**AFTER DRILLING** ---

## MATERIAL DESCRIPTION

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-22-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 3/3 Silt with sand. About 85% non-plastic fines with 15% fine sand, moist, soft, no odor or staining
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-23

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 10 YR 4/6 Poorly graded sand. Fine-grained with 20% medium-grained sand, 10% coarse grained sand, trace silt, loose, moist
	GB			1.0
		SP-SM		(SP-SM) 10 YR 4/4 Poorly graded sand with silt. Fine-grained, 10% non-plastic fines, loose, moist
	GB			2.0
		ML		(ML) 10 YR 4/4 Sandy silt. Low plasticity, low toughness, soft, moist, fine-grained sand, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-23-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 5/4 Silty sand. About 70% fine to coarse sand with 20% non-plastic fines and 10% fine gravel to 0.25", moist to dry, loose, no odor or staining
	GB			1.0
				(ML) 7.5 YR 4/4 Silt with sand. About 80% non-plastic fines with 20% fine to medium sand, moist, firm, no staining or odor
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-23-S

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(SP) 10 YR 5/3 Poorly graded sand. About 90% fine to coarse sand with 10% fine gravel to 0.25", and trace non-plastic fines, moist to dry, no odor or staining
	GB	SP		
	GB			
				2.0
	GB			(SM) 10 YR 4/6 Silty sand. As above with increasing non-plastic fines to 15% and no gravel at 2 feet bgs
2.5		SM		2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-23-W

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(SP) 10 YR 5/4 Poorly graded sand. 100% fine to coarse sand with trace non-plastic fines, moist to dry, loose, likely fill
	GB	SP		
	GB			
				2.0
2.5		SP		(SP) 10 YR 5/3 Poorly graded sand with gravel. About 80% fine to coarse sand with 20% fine to coarse gravel to 1.25", moist to dry, loose, no odor or staining, possibly fill
				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-23A-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 3/4 Silty sand. About 75% fine to coarse sand with 25% non-plastic fines, moist, loose to medium dense, no odor or staining
	GB		1.0	
		ML		(ML) 7.5 YR 4/6 Sandy silt. About 60% non-plastic fines with 40% coarse sand, moist to dry, very hard, no odor or staining
2.5			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-24

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 7.5 YR 3/4 Fine-grained sand. 15% medium-grained sand, 5% coarse-grained sand, 10% gravel to 15mm, 10% silt, medium dense, moist
	GB	SM		(SM) 7.5 YR 3/2 Silty sand. Fine-grained with 15% medium-grained sand, 5% coarse sand, medium density, moist
	GB	SM		(SM) -Color change to 7.5 YR 4/6
	GB	ML		(ML) 7.5 YR 2/3 Silt with sand. Low plasticity, low toughness, soft, 15% fine-grained sand, moist
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-25

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 4"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(SP-SM) 7.5 YR 4/3 Sand with silt. Poorly graded, fine-grained, trace medium sand and gravel to 4mm, moist
	GB	SP-SM		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-26

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 5"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP-SM		(SP-SM) 7.5 YR 4/4 Poorly graded sand with silt. Fine-grained, medium density, 10% medium sand, trace gravel to 10mm, moist
	GB	SP-SM		1.0 (SP-SM) 7.5 YR 5/4 Poorly graded sand with silt. Fine-grained sand, trace gravel to 5mm, medium density, moist
	GB	ML		2.0 (ML) 7.5 YR 4/3. Silt with sand. Low plasticity, low toughness, soft, with fine-grained sand, wet
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-27

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 7.5 YR 4/5 Poorly graded sand. Fine-grained, loose, trace silt, moist
	GB			1.0
		SP- SM		(SP-SM) 7.5 YR 4/5 Poorly graded sand with silt. Fine-grained, loose, 10% silt, moist
				1.8
	GB	ML		(ML) 7.5 YR 3/4 Silt. Low plasticity, low toughness, firm, trace fine-grained sand, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-28

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 4"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt with sand and gravel. Low plasticity, low toughness, firm, fine-grained sand, gravel to 20mm, moist
	GB			1.0 (ML) -As above with gravel to 10mm
	GB	ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-29

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 5/3 Silty sand. Fine-grained sand, poorly graded, medium density, moist
	GB			1.0 (SM) -As above with trace gravel to 10mm
	GB	SM		
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-30

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CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 5/3 Silt with sand. Non-plastic, low toughness, soft, with 10% fine-grained sand, moist
	GB	ML		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-31

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 10"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/4 Silty sand. Fine-grained with 15% medium-grained and trace coarse-grained sand, trace gravel to 10mm, poorly graded, medium density, moist
	GB			
	GB	ML		(ML) 7.5 YR 3/4 Silt. Non-plastic, low toughness, firm, 10% fine-grained sand and 10% gravel to 20mm, moist
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-31-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(CL) 7.5 YR 4/4 Lean clay. 100% fines with low plasticity with trace sand, moist, soft, no odor or staining
	GB	CL		
	GB			
	GB			
	GB			
	GB	CL		
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-31-N

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 10 YR 4/4 Silty sand with gravel. About 60% fine to coarse sand with 20% non-plastic fines and 20% gravel, moist to dry, loose, no odor or staining
	GB			
				1.5
	GB	ML		(ML) 7.5 YR 4/3 Silt. About 90% non-plastic fines with 10% fine sand, moist, medium dense, no odors or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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<b>CLIENT</b> LAUSD	<b>PROJECT NAME</b> BELVEDERE MS
<b>PROJECT NUMBER</b> 102-HMG-T37254.07	<b>PROJECT LOCATION</b> 312 N. Record Avenue, Los Angeles, California
<b>DATE STARTED</b> 8/1/19 <b>COMPLETED</b> 8/1/19	<b>GROUND ELEVATION</b> <b>HOLE SIZE</b> 4
<b>DRILLING CONTRACTOR</b> Strongarm	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Hand Auger	<b>AT TIME OF DRILLING</b> ---
<b>LOGGED BY</b> Eric Nelson <b>CHECKED BY</b> Mark Feldman	<b>AT END OF DRILLING</b> ---
<b>NOTES</b> Asphalt to 8"	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/3 Silt. About 95% non-plastic fines with 5% fine sand, moist, soft, no odor or staining
	GB			
				1.5
	GB	SM		(SM) Silty Sand. About 85% fine to medium sand with 15% non-plastic fines, moist to dry, soft, no odor or staining
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-31-W

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(CL) 7.5 YR 4/4 Lean clay with sand. About 80% low plasticity fines, 20% fine sand, moist, firm, no odor or staining
	GB	CL		
	GB			
	GB			
	GB	CL		
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-31-WA

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	GM		(GM) 10 YR 4/4 Silty gravel with sand. About 50% fine to coarse gravel to 1.25", 30% non-plastic fines and 20% fine to coarse sand, moist to dry, loose, no odor or staining
	GB	ML		(ML) 7.5 YR 4/4 Sandy silt. About 70% non-plastic fines with 30% fine to medium sand, moist to dry, soft, no odor or staining
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-32

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 4"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 7.5 YR 3/3 Poorly graded sand. Fine-grained, 10% silt, 10% gravel to 10mm, medium density, moist
	GB			1.0
		SP-SM		(SP-SM) 7.5 YR 4/3 Poorly graded sand with silt. Fine-grained, 10% gravel to 10mm, medium density, moist
	GB			2.0
		ML		(ML) 7.5 YR 3/3 Silt with sand. Low plasticity, low toughness, soft, fine-grained sand, moist, with black mottling
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-33

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 7"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(SM) 7.5YR 4/4 Silty sand. Fine-grained, poorly graded, 10% medium-grained sand, 10% gravel to 15mm, medium density, moist
	GB	SM		
	GB			2.0
2.5		ML		(ML) 7.5 YR 3/4 Sandy silt. Non-plastic, low toughness, soft, fine-grained sand, moist
				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-33-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 10 YR 4/4 Silty sand. About 70% fine to coarse sand with 20% non-plastic fines, 10% fine gravel to 0.75", moist, loose, no odor or staining
	GB			
			1.5	
	GB	ML		(ML) 7.5 YR 3.7 Silt with sand. About 75% non-plastic fines with 25% fine sand, moist to dry, firm, no odor or staining
2.5			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-33-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB DUP			
	GB	ML		(ML) 10 YR 4/4 Gravelly silt. About 70% non-plastic fines with 20% fine gravel, 10% fine to coarse sand, moist, soft, no odor or staining
	GB			
			2.0	
2.5		SM		(SM) 10 YR 4/4 Silty sand. About 80% medium sand with 20% non-plastic fines, moist, loose, no odor or staining
			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-33-W

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 10 YR 3/3 Gravelly silt with sand. About 60% non-plastic fines with 30% fine gravel to 0.5", 10% coarse sand, moist to dry, loose, no odor or staining
	GB			
	GB			
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-33A-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 10 YR 3/6 Silt. 100% non-plastic fines with trace fine sand, moist to dry, soft, no odor or staining
	GB			
		ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-33A-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt. About 90% non-plastic fines with 10% fine and coarse sand, moist, very soft, no odor or staining
	GB		1.0	
		ML		(ML) 7.5 YR 4/4 Sandy silt. About 60% non-plastic fines with 40% fine sand and trace coarse sand, moist, soft, no odor or staining
2.5			2.5	

Bottom of borehole at 2.5 feet.



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<b>CLIENT</b> LAUSD	<b>PROJECT NAME</b> BELVEDERE MS
<b>PROJECT NUMBER</b> 102-HMG-T37254.07	<b>PROJECT LOCATION</b> 312 N. Record Avenue, Los Angeles, California
<b>DATE STARTED</b> 10/9/19 <b>COMPLETED</b> 10/9/19	<b>GROUND ELEVATION</b> <b>HOLE SIZE</b> 4
<b>DRILLING CONTRACTOR</b> Strongarm	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> Hand Auger	<b>AT TIME OF DRILLING</b> ---
<b>LOGGED BY</b> Eric Nelson <b>CHECKED BY</b> Mark Feldman	<b>AT END OF DRILLING</b> ---
<b>NOTES</b>	<b>AFTER DRILLING</b> ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 4/4 Silt with sand. About 85% non-plastic fines with 15% fine and coarse sand, moist, soft, no odor or staining
		ML		
	GB			1.0 (ML) 7.5 YR 3/4 Silt. 100% non-plastic fines with trace sand and fine gravel to 0.5", moist, soft, no odor or staining
		ML		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-33B-E

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt. About 90% non-plastic fines with 10% fine sand and trace fine gravel, moist to dry, soft, roots present
	GB			1.0
		ML		(ML) 7.5 YR 3/4 Silt. 100% non-plastic fines with trace coarse sand, moist, firm, no odor or staining, roots present
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-33B-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 3/4 Silt. About 90% non-plastic fines with 10% fine to coarse sand, moist, firm, no odor or staining, trace roots
	GB		1.0	
		ML		(ML) 7.5 YR 3/4 Silt with sand. About 75% non-plastic fines with 25% fine to coarse sand, moist, firm, no odors or staining, trace roots
2.5			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-34

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/3 Silty sand. Fine-grained sand, poorly graded, medium densitiy, trace gravel to 10mm
	GB			1.0 (SM) -As above with coarse-graind sand
	GB	SM		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-34-N

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 10 YR 4/4 Silty sand. About 70% fine to coarse sand with 30% non-plastic fines and trace fine gravel to 0.25", moist, loose, no odor or staining
	GB GB DUP			1.0
		ML		(ML) 7.5 YR 4/4 Silt with sand. About 75% non-plastic fines with 25% fine sand, moist to dry, firm, no odor or staining
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-34-S

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(ML) 7.5 YR 4/4 Sandy silt. About 70% non-plastic fines with 30% fine to medium sand, moist, firm, no odor or staining
	GB	ML		
	GB			2.0
2.5		ML		(ML) Silt. 100% non-plastic fines with trace fine sand, moist, firm, no odor or staining
				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-34-W

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	8/1/19	COMPLETED	8/1/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	ML		(ML) 7.5 YR 4/4 Silt with sand. About 85% non-plastic fines with 15% fine-grained sand, moist, soft, no odor or staining
	GB			
			1.5	
	GB DUP	SM		(SM) Silty sand. About 80% fine to medium sand with 20% non-plastic fines, moist to dry, loose, no odor or staining
2.5			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-34A-NW

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	10/9/19	COMPLETED	10/9/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	4
LOGGED BY	Eric Nelson	CHECKED BY	Mark Feldman
NOTES	Asphalt to 8"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 3/4 Silty sand. About 65% fine to coarse sand with 25% non-plastic fines and 10% fine gravel to 0.25", loose, no odor or staining, roots present
	GB		1.0	
		ML		(ML) 7.5 YR 4/6 Silt with sand. About 80% non-plastic fines with 20% fine-grained sand, moist to dry, soft, no odor or staining, roots present
			2.0	
		CL		(CL) 5 YR 4/6 Lean clay. 100% fines with medium plasticity, moist to dry, firm, no odor or staining
2.5			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-35

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 6"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP-SM		(SP-SM) 7.5 YR 5/4. Poorly graded sand with silt. Fine-grained sand, medium density, trace gravel to 20mm, moist
	GB	ML		(ML) 10 YR 4/4. Silt. Low plasticity, low toughness, firm, trace fine-grained sand and gravel to 10mm, moist
	GB	SP		(SP) 10 YR 5/6 Poorly graded sand. Fine-grained sand, trace gravel to 10mm, trace silt, medium density, moist
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-36

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Asphalt to 5"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB			(SP-SM) 10 YR 3/3 Poorly graded sand with silt. Fine-grained sand, medium density, trace gravel to 5mm, moist
	GB	SP-SM		
	GB			
2.5				2.5

Bottom of borehole at 2.5 feet.





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# BORING NUMBER SB-37

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/17/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 4"		
GROUND WATER LEVELS:		AT TIME OF DRILLING ---	
		AT END OF DRILLING ---	
		AFTER DRILLING ---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP-SM		(SP-SM) 10 YR 4/5 Poorly graded sand with silt. Fine-grained sand, medium density, trace gravel to 5mm, moist
	GB			1.0 (SP-SM) As above with increasing non-plastic fines
	GB	SP-SM		
2.5				2.5

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-38

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SM		(SM) 7.5 YR 4/6 Silty sand. Fine-grained, poorly graded, medium density, 10% gravel to 5mm, moist
	GB			
			1.8	
	GB	SP		(SP) 10 YR 4/6 Poorly graded sand. Fine-grained, medium density, 5% coarse sand, trace silt, moist
2.5			2.5	

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-39

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/16/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
	GB	SP		(SP) 10 YR 5/4 Silty sand. Fine-grained, poorly graded, loose, 10% medium-grained sand and trace silt, 5% gravel to 15mm, moist
	GB			
		SM		(SM) 10 YR 5/4 Silty sand. Fine-grained, poorly graded, medium density, trace medium-grained sand, moist
	GB			
		SM		(SM) -As above with 5% coarse-grained sand
2.5				

Bottom of borehole at 2.5 feet.



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# BORING NUMBER SB-40

PAGE 1 OF 1

CLIENT LAUSD

PROJECT NAME BELVEDERE MS

PROJECT NUMBER 102-HMG-T37254.07

PROJECT LOCATION 312 N. Record Avenue, Los Angeles, California

DATE STARTED 4/16/19 COMPLETED 4/17/19

GROUND ELEVATION \_\_\_\_\_ HOLE SIZE 3

DRILLING CONTRACTOR Strongarm

GROUND WATER LEVELS:

DRILLING METHOD Hand Auger

AT TIME OF DRILLING ---

LOGGED BY Nate Taylor CHECKED BY Mark Feldman

AT END OF DRILLING ---

NOTES Asphalt to 5"

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
		SP		(SP) 7.5 YR 3/3 Poorly graded sand. Fine-grained, medium density, 20% medium-grained sand, 10% gravel to 15mm, 10% silt, moist
				1.8
		SM		(SM) 7.5 YR 3/3 Silty sand. Fine-grained, poorly graded, medium density moist
2.5				
	GB			3.0
		SM		(SM) -Color change to 7.5 YR 4/4 and 15% silt
				4.5
5.0	GB			(SP-SM) 7.5 YR 5/6 Poorly graded sand with silt. Fine-grained, 10% non-plastic fines, poorly graded, medium density, moist
		SP-SM		
7.5				
				8.5
	GB	SP-SM		(SP-SM) -Color change to 7.5 YR 4/6
				9.5
Bottom of borehole at 9.5 feet.				

GENERAL BH / TP / WELL - GINT STD US.GDT - 11/4/19 16:08 - P:\GINT\PROJECTS\BELVEDERE MIDDLE SCHOOL LAUSD.GPJ



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# BORING NUMBER SB-41

PAGE 1 OF 1

CLIENT	LAUSD	PROJECT NAME	BELVEDERE MS
PROJECT NUMBER	102-HMG-T37254.07	PROJECT LOCATION	312 N. Record Avenue, Los Angeles, California
DATE STARTED	4/18/19	COMPLETED	4/17/19
DRILLING CONTRACTOR	Strongarm	GROUND ELEVATION	
DRILLING METHOD	Hand Auger	HOLE SIZE	3
LOGGED BY	Nate Taylor	CHECKED BY	Mark Feldman
NOTES	Concrete to 8"		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
2.5	GB	SP-SM		(SP-SM) 7.5 YR 4/3 Poorly graded sand with silt. Fine-grained sand, medium density, 20% medium-grained sand, 10% silt, 10% gravel to 20mm, moist
3.8				
5.0	GB	GP		(GP) 7.5 YR 4/4 Poorly graded gravel. To 25mm, very dense, 20% fine sand, 10% coarse sand, trace silt, moist
6.5				
7.5		SP		(SP) 7.5 YR 4/5 Poorly graded sand. Fine-grained, poorly graded, 10% medium-grained sand, 10% coarse-grained sand, medium density, moist
9.5	GB			
Bottom of borehole at 9.5 feet.				

GENERAL BH / TP / WELL - GINT STD US.GDT - 11/4/19 16:08 - P:\GINT\PROJECTS\BELVEDERE MIDDLE SCHOOL LAUSD.GPJ



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# BORING NUMBER SB-42

PAGE 1 OF 1

CLIENT LAUSD

PROJECT NAME BELVEDERE MS

PROJECT NUMBER 102-HMG-T37254.07

PROJECT LOCATION 312 N. Record Avenue, Los Angeles, California

DATE STARTED 4/17/19 COMPLETED 4/17/19

GROUND ELEVATION HOLE SIZE 3

DRILLING CONTRACTOR Strongarm

GROUND WATER LEVELS:

DRILLING METHOD Hand Auger

AT TIME OF DRILLING ---

LOGGED BY Nate Taylor CHECKED BY Mark Feldman

AT END OF DRILLING ---

NOTES Asphalt to 8"

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				
		SP-SM		(SP-SM) 7.5 YR 4/4 Poorly graded sand with silt. Fine-grained, medium density, 10% silt, trace gravel to 15mm, moist
			0.8	
		SM		(SM) 7.5 YR 4/3 Silty sand. Fine-grained sand, poorly graded, medium density, trace gravel to 4mm and coarse sand to 2mm, moist
			2.0	
				(SM) -Color change to 7.5 YR 3/3
2.5				
	GB			
		SM		
			4.8	
5.0				
	GB			(SP-SM) 7.5 YR 4/4 Poorly graded sand with silt. Fine-grained, medium density, 10% silt, 10% medium-grained sand, trace coarse-grained sand and gravel to 10mm, moist
		SP-SM		
7.5				
	GB			
			9.5	
Bottom of borehole at 9.5 feet.				

GENERAL BH / TP / WELL - GINT STD US.GDT - 11/4/19 16:08 - P:\GINT\PROJECTS\BELVEDERE MIDDLE SCHOOL LAUSD.GPJ

---

## APPENDIX D: LABORATORY REPORTS



## 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](http://www.aetlab.com)

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 94  
Date Received 04/16/2019  
Date Reported 04/30/2019

Telephone: (626)351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School  
Site: Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 44 soil and 2 water 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



SHIP TO: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

97240

DATE 04/16/19 PAGE 1 OF 5

CLIENT: Tetra Tech				PARAMETERS																TURN-AROUND TIME Standard			
PROJECT NAME:																						OBSERVATIONS/COMMENTS	
PROJECT MANAGER: Robert Sabater																							
TC #:																							
SAMPLERS (Signatures) <u>Nate Taylor</u>																							
LINE ITEM	SAMPLE NO.	DATE	TIME	Arsenic Trichloride	Asenachloride	Pesticides	PCBs	8082A	8260B	VOCs	TTH-gas	8015M	805M	TPH Carbonchain	FILTERED/UNFILTERED	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	PRESERVATIVE				
1.	SB-40-0.5 3.0	04/16/19	0805	X			X	X	X							S	G	5	X	97240-01			
2.	SB-40-1.0 5.0	04/16/19	0815	X			X	X	X							S	G	5	X	97240-02			
3.	SB-40-2.0 9.0	04/16/19	0825	Hold X			Hold X	Hold X	Hold X							S	G	5	X	97240-03			
4.	SB-24-0.5	04/16/19	0850	X	X	X	X									S	G	1		97240-04			
5.	SB-24-1.0	04/16/19	0855	X	X	X	Hold X									S	G	1		97240-05			
6.	SB-24-2.0	04/16/19	0900	X	X	X	Hold X									S	G	1		97240-06			
7.	SB-22-0.5	04/16/19	0905	X	X	X										S	G	1		97240-07			
8.	SB-22-1.0	04/16/19	0910	X	X	X										S	G	1		97240-08			
9.	SB-22-2.0	04/16/19	0915	X	X	X										S	G	1		97240-09			
10.	SB-20-0.5	04/16/19	1007	X	X	X										S	G	1		97240-10			
FILTERING: <input type="checkbox"/> FILTERED <input checked="" type="checkbox"/> UNFILTERED				MATRIX TYPE: S - Soil M - Sediment W - Water				CONTAINER TYPE: G - Glass Bottle/Jar SS - Stainless Steel Sleeve SB - Brass Sleeve P - Plastic Bottle/Jar				PRESERVATIVES: (Water Only) HCL NR (None required)				NaOH H <sub>2</sub> SO <sub>4</sub>							
RELINQUISHED BY <u>[Signature]</u>		SIGNATURE <u>Nate Taylor</u>		TETRA TECH, INC.				DATE 04/16/19		TIME 1535		TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY:											
RECEIVED BY <u>ADMINISTRATOR</u>		SIGNATURE <u>[Signature]</u>		COMPANY METL				DATE 4/16/19		TIME 1535		METHOD OF SHIPMENT/SHIPMENT NO.											
RELINQUISHED BY <u>C. P. BERNARD</u>		SIGNATURE <u>[Signature]</u>		COMPANY ACTL				DATE 4/16/19		TIME 1800		Special Shipping/Handling/Storage Requirements											
RECEIVED BY <u>ABCin</u>		SIGNATURE <u>[Signature]</u>		COMPANY ACTL				DATE 04/16/19		TIME 1800													

DISTRIBUTION: White and Pink = Tetra Tech, Inc.      Canary = Laboratory

V:\GIS\ATT MISC\COCB\BI ANIK COB



**TETRA TECH, INC.**  
301 E. Vanderbilt Way, Suite 450  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391

SHIP TO: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# CHAIN OF CUSTODY RECORD

97240

DATE 04/16/19 PAGE 2 OF 5

CLIENT: <u>Tetra Tech</u>				PARAMETERS														TURN-AROUND TIME				
PROJECT NAME:				<u>AsenC/Thallium 6020</u> <u>TiHe 22 (canil) 7420A</u> <u>organochlorine 8081A</u> <u>pesticides</u> <u>PBS 8082A</u> <u>Vol's 8260B</u> <u>TPH-gas 8052A</u> <u>TPH-Carbon Chain</u>														Standard				
PROJECT MANAGER:																		OBSERVATIONS/COMMENTS				
TC #: <u>102-HM6-T37254.07</u>																						
SAMPLERS (Signatures) <u>Nate Taylor</u>																						
LINE ITEM	SAMPLE NO.	DATE	TIME	AsenC/Thallium 6020	TiHe 22 (canil) 7420A	organochlorine 8081A	pesticides	PBS 8082A	Vol's 8260B	TPH-gas 8052A	TPH-Carbon Chain						FILTERED/UNFILTERED	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	PRESERVATIVE	
1.	SB-20-1.0	04-16-19	1009	X	X	X												S	G	1		97240-11
2.	SB-20-2.0	04-16-19	1012	X	X	X												S	G	1		97240-12
3.	SB-23-0.5	04-16-19	0930	X	X	X												S	G	1		97240-13
4.	SB-23-1.0	04-16-19	0935	X	X	X												S	G	1		97240-14
5.	SB-23-2.0	04-16-19	0940	X	X	X												S	G	1		97240-15
6.	SB-38-0.5	04-16-19	0953	X	X	X												S	G	1		97240-16
7.	SB-38-1.0	04-16-19	1000	X	X	X												S	G	1		97240-17
8.	SB-38-2.0	04-16-19	1009	X	X	X												S	G	1		97240-18
9.	SB-39-0.5	04-16-19	1050	X	X	X		X										S	G	1		97240-19
10.	SB-39-1.0	04-16-19	1055	X	X	X		X										S	G	1		97240-20
FILTERING: <input type="checkbox"/> FILTERED <input checked="" type="checkbox"/> UNFILTERED				MATRIX TYPE: S - Soil M - Sediment W - Water				CONTAINER TYPE: G - Glass Bottle/Jar SS - Stainless Steel Sleeve SB - Brass Sleeve P - Plastic Bottle/Jar				PRESERVATIVES: (Water Only) HCL NR (None required) NaOH H <sub>2</sub> SO <sub>4</sub>										
RELINQUISHED BY <u>Nate Taylor</u>		SIGNATURE <u>[Signature]</u>		TETRA TECH, INC.		DATE <u>04/16/19</u>		TIME <u>1535</u>		TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY:												
RECEIVED BY <u>AMILLION</u>		SIGNATURE <u>[Signature]</u>		COMPANY <u>MTL</u>		DATE <u>4/16/19</u>		TIME <u>1535</u>		METHOD OF SHIPMENT/SHIPMENT NO.												
RELINQUISHED BY <u>AMILLION</u>		SIGNATURE <u>[Signature]</u>		COMPANY <u>MTL</u>		DATE <u>4/16/19</u>		TIME <u>1800</u>		Special Shipping/Handling/Storage Requirements:												
RECEIVED BY <u>[Signature]</u>		SIGNATURE <u>[Signature]</u>		COMPANY <u>MTL</u>		DATE <u>04/16/19</u>		TIME <u>1800</u>														

DISTRIBUTION: White and Pink = Tetra Tech, Inc.

Canary = Laboratory

X:\GISAT\MISC\CDR BLANK CDR





Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information, contact us26\_sales@eurofinsus.com or call us.

## CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

97240

Date 04/16/19

Page 3 of 5

LABORATORY CLIENT:

Tetra Tech

ADDRESS:

CITY:

STATE:

ZIP:

TEL:

E-MAIL:

CLIENT PROJECT NAME / NO.:

P.O. NO.:

102-HM5-T37254.07

PROJECT CONTACT:

LAB CONTACT OR QUOTE NO.:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Nate T

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

## REQUESTED ANALYSES

Please check box or fill in blank as needed.

SPECIAL INSTRUCTIONS:																											
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH _____	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> _____	VOCs (8260) <input checked="" type="checkbox"/>	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Organochlorine Pesticides (8081) <input checked="" type="checkbox"/> A	PCBs (8082) <input checked="" type="checkbox"/> A	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 60107/47A <input type="checkbox"/> 60207/47X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	Arsenic/Thallium 6020				
		DATE	TIME																								
	SB-39-2.0	04/16/19	1059	S	1	X												X	X			X		X			
	SB-10-0.5	04/16/19	1030	S	1	X												X				X		X			
	SB-10-1.0	04/16/19	1035	S	1	X												X				X		X			
	SB-10-2.0	04/16/19	1040	S	1	X												X				X		X			
	SB-09-0.5	04/16/19	1100	S	1	X												X				X		X			
	SB-09-1.0	04/16/19	1102	S	1	X												X				X		X			
	SB-09-2.0	04/16/19	1104	S	1	X												X				X		X			
	SB-08-0.5	04/16/19	1120	S	1	X												X				X		X			
	SB-08-1.0	04/16/19	1125	S	1	X												X				X		X			
	SB-08-2.0	04/16/19	1130	S	1	X												X				X		X			

Relinquished by: (Signature)

[Signature]

Received by: (Signature/Affiliation)

[Signature]

Date:

04/16/19

Time:

1535

Relinquished by: (Signature)

[Signature]

Received by: (Signature/Affiliation)

Date:

4/16/19

Time:

1800

Relinquished by: (Signature)

[Signature]

Received by: (Signature/Affiliation)

[Signature]

Date:

04/16/19

Time:

1800



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For courier service / sample drop off information, contact us26\_sales@eurofinsus.com or call us.

## CHAIN-OF-CUSTODY RECORD

WO NO / LAB USE ONLY

97240

Date 04/16/19

Page 4 of 5

LABORATORY CLIENT:

Tetra Tech

ADDRESS:

CITY:

STATE:

ZIP:

TEL:

E-MAIL:

CLIENT PROJECT NAME / NO.:

P.O. NO.:

102-14105-737254.07

PROJECT CONTACT:

LAB CONTACT OR QUOTE NO.:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Nate T

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

## REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	Arsenic/Thallium 6020	Title 22 (CmT) 6010/747X	Organochlorine Pesticides 8081A
		DATE	TIME																						
	SB-05-0.5	04/16/19	1140	S	1	X																			
	SB-05-1.0	04/16/19	1141	S	1	X																			
	SB-05-2.0	04/16/19	1142	S	1	X																			
	SB-02-0.5	04/16/19	1320	S	1	X																			
	SB-02-1.0	04/16/19	1321	S	1	X																			
	SB-02-2.0	04/16/19	1329	S	1	X																			
	SB-03-0.5	04/16/19	1335	S	1	X																			
	SB-03-1.0	04/16/19	1336	S	1	X																			
	SB-03-2.0	04/16/19	1337	S	1	X																			
	SB-06-0.5	04/16/19	1350	S	1	X																			

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date:

04/16/19

Time:

1535

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date:

4/16/19

Time:

1800

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

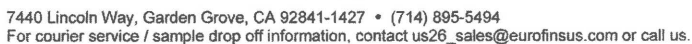
Date:

04/16/19

Time:

1800





## Calscience

## CHAIN-OF-CUSTODY RECORD

Date 04/16/19  
Page 5 of 5

WO NO. / LAB USE ONLY

97240

LABORATORY CLIENT:

Tetra Tech

ADDRESS:

CITY:

STATE:

ZIP:

TEL:

F-MAIL ·

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY    ☐ 24 HR    ☐ 48 HR    ☐ 72 HR    ☐ 5 DAYS    ☒ STANDARD

EDD

☐ COELT EDF      ☐ OTHER

**SPECIAL INSTRUCTIONS:**

CLIENT PROJECT NAME / NO.:

P.O. NO.:

102-1-MG-T37254.07  
~~102-SFO-T3~~

PROJECT CONTACT:

LAB CONTACT OR QUOTE NO:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)
---------------------

Note 1

### REQUESTED ANALYSES

Please check box or fill in blank as needed.

SPECIAL INSTRUCTIONS:																														
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input checked="" type="checkbox"/> TPH(g) <input type="checkbox"/> GRO <u>8015M</u>	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH _____	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> _____	VOCs (8260) <u>S</u>	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	<u>Organochlorine</u> Pesticides (8081) <u>A</u>	PCBs (8082) <u>A</u>	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010747X <u>A</u> <input type="checkbox"/> 6020747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<u>Arsenic/Thallium 1020</u>							
		DATE	TIME																											
	SB-06-1.0	04/16/14	1351	S	31	X												X				X		X	97240.41					
	SB-06-2.0	04/16/14	1352	S	31	X												X				X		X	97240.42					
	SB-07-0.5	04/16/14	1410	S	31	X												X				X		X	97240.43					
	SB-07-1.0	04/16/14	1411	S	31	X												X				X		X	97240.44					
	SB-07-2.0	04/16/14	1412	S	31	X												X				X		X	97240.45					
	LATB-20190416-VT	04/16/14	1430	S	33		X	X						X								<del>X</del>			97240.46	No T22				
	EB-20190416-VT	04/16/14	1440	S	1	X																X			97240.47	N.T				
Relinquished by: (Signature)						Received by: (Signature/Affiliation)										Date: 04/16/14		Time: 1535												
Relinquished by: (Signature)						Received by: (Signature/Affiliation)										Date: 4/16/14		Time: 1800												
Relinquished by: (Signature)						Received by: (Signature/Affiliation)										Date: 04/16/14		Time: 1800												

2016-04-01-Revision



# 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>Tetra Tech</u>			
Project Name:			
AETL Job Number: <u>97240</u>			
Date Received: <u>04/16/19</u>		Received by: <u>Artin</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input 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>1</u> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.2</u> , No 2: , No 3:			
Type of sample containers: <input checked="" 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): <u>3x503Skits</u>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input checked="" type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <u>NaHSO<sub>4</sub>H<sub>2</sub>O</u>			
	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>↓</u>		

Explain all "No" answers for above questions:

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# 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

Page: 1 A

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/16/2019

Date Reported 04/30/2019

Telephone: (626) 351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 47 samples with the following specification on 04/16/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97240.46	LATB-20190416-NT	04/16/2019	Aqueous	3		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	8260B		04/23/2019	2	Normal	ug/L
	M8015G		04/23/2019	2	Normal	mg/L
97240.47	EB-20190416-NT	04/16/2019	Aqueous	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	6010/7000CAM		04/23/2019	2	Normal	mg/L
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97240.01	SB-40-3.0	04/16/2019	Soil	1		
97240.02	SB-40-5.0	04/16/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		04/23/2019	2	Normal	mg/Kg
	(8260B)		04/23/2019	2	Normal	ug/Kg
	(M8015D) ^ C13-C40		04/23/2019	2	Normal	mg/Kg
	(M8015G)		04/23/2019	2	Normal	mg/Kg
97240.03	SB-40-9.0	04/16/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		04/23/2019	2	Normal	--
97240.04	SB-24-0.5	04/16/2019	Soil	1		
97240.19	SB-39-0.5	04/16/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		04/23/2019	2	Normal	mg/Kg
	(6020) ^ AS-TL-1		04/23/2019	2	Normal	mg/Kg
	(8081A)		04/23/2019	2	Normal	ug/Kg
	(8082)		04/23/2019	2	Normal	ug/Kg
97240.05	SB-24-1.0	04/16/2019	Soil	1		

Continued



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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/16/2019

Date Reported 04/30/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97240.06	SB-24-2.0	04/16/2019	Soil	1
97240.07	SB-22-0.5	04/16/2019	Soil	1
97240.08	SB-22-1.0	04/16/2019	Soil	1
97240.09	SB-22-2.0	04/16/2019	Soil	1
97240.10	SB-20-0.5	04/16/2019	Soil	1
97240.11	SB-20-1.0	04/16/2019	Soil	1
97240.12	SB-20-2.0	04/16/2019	Soil	1
97240.13	SB-23-0.5	04/16/2019	Soil	1
97240.14	SB-23-1.0	04/16/2019	Soil	1
97240.15	SB-23-2.0	04/16/2019	Soil	1
97240.16	SB-38-0.5	04/16/2019	Soil	1
97240.17	SB-38-1.0	04/16/2019	Soil	1
97240.18	SB-38-2.0	04/16/2019	Soil	1
97240.20	SB-39-1.0	04/16/2019	Soil	1
97240.21	SB-39-2.0	04/16/2019	Soil	1
97240.22	SB-10-0.5	04/16/2019	Soil	1
97240.23	SB-10-1.0	04/16/2019	Soil	1
97240.24	SB-10-2.0	04/16/2019	Soil	1
97240.25	SB-09-0.5	04/16/2019	Soil	1
97240.26	SB-09-1.0	04/16/2019	Soil	1
97240.27	SB-09-2.0	04/16/2019	Soil	1
97240.28	SB-08-0.5	04/16/2019	Soil	1
97240.29	SB-08-1.0	04/16/2019	Soil	1
97240.30	SB-08-2.0	04/16/2019	Soil	1
97240.31	SB-05-0.5	04/16/2019	Soil	1
97240.32	SB-05-1.0	04/16/2019	Soil	1
97240.33	SB-05-2.0	04/16/2019	Soil	1
97240.34	SB-02-0.5	04/16/2019	Soil	1
97240.35	SB-02-1.0	04/16/2019	Soil	1

Continued





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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/16/2019

Date Reported 04/30/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97240.36	SB-02-2.0	04/16/2019	Soil	1
97240.37	SB-03-0.5	04/16/2019	Soil	1
97240.38	SB-03-1.0	04/16/2019	Soil	1
97240.39	SB-03-2.0	04/16/2019	Soil	1
97240.40	SB-06-0.5	04/16/2019	Soil	1
97240.41	SB-06-1.0	04/16/2019	Soil	1
97240.42	SB-06-2.0	04/16/2019	Soil	1
97240.43	SB-07-0.5	04/16/2019	Soil	1
97240.44	SB-07-1.0	04/16/2019	Soil	1
97240.45	SB-07-2.0	04/16/2019	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg
(8081A)	04/23/2019	2	Normal	ug/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

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97240.01	97240.02		
Client Sample I.D.				SB-40-3.0	SB-40-5.0		
Date Sampled				04/16/2019	04/16/2019		
Date Prepared			04/18/2019	04/16/2019	04/16/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	5.0	10.0	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97240.01	97240.02		
Client Sample I.D.				SB-40-3.0	SB-40-5.0		
Date Sampled				04/16/2019	04/16/2019		
Date Prepared			04/18/2019	04/16/2019	04/16/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	2.43J		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.0	5.0	ND	ND	ND		



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97240.01	97240.02		
Client Sample I.D.				SB-40-3.0	SB-40-5.0		
Date Sampled				04/16/2019	04/16/2019		
Date Prepared			04/18/2019	04/16/2019	04/16/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	1.68J		
m,p-Xylenes	1.0	20.0	ND	ND	2.98J		
Our Lab I.D.			Method Blank	97240.01	97240.02		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		87.2	88.2	87.9		
Dibromofluoromethane	75-125		99.5	99.0	103		
Toluene-d8	75-125		97.3	96.3	97.2		



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0417190B1

<b>Our Lab I.D.</b>			Method Blank	<b>97240.01</b>	<b>97240.02</b>		
Client Sample I.D.				SB-40-3.0	SB-40-5.0		
Date Sampled				04/16/2019	04/16/2019		
Date Prepared			04/17/2019	04/16/2019	04/16/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/17/2019	04/17/2019	04/17/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	<b>97240.01</b>	<b>97240.02</b>		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>		
Bromofluorobenzene	75-125		110	117	115		



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 6

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 041819PB1

<b>Our Lab I.D.</b>			Method Blank	97240.01	97240.02		
Client Sample I.D.				SB-40-3.0	SB-40-5.0		
Date Sampled				04/16/2019	04/16/2019		
Date Prepared			04/18/2019	04/18/2019	04/18/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	97240.01	97240.02		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>		
Chlorobenzene	75-125		121	116	116		



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### ANALYTICAL RESULTS

#### Ordered By

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#### Site

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312 N. Record Ave.  
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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		04/17/2019				
Preparation Method		3550B				
Date Analyzed		04/18/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Aldrin	1.0	2.0	ND			
Chlordane (Total)	1.0	2.0	ND			
Chlordane (alpha)	1.0	2.0	ND			
4,4'-DDD (DDD)	1.0	2.0	ND			
4,4'-DDE (DDE)	1.0	2.0	ND			
4,4'-DDT (DDT)	1.0	2.0	ND			
Dieldrin	1.0	2.0	ND			
Endosulfan I	1.0	2.0	ND			
Endosulfan II	1.0	2.0	ND			
Endosulfan sulfate	1.0	2.0	ND			
Endrin	1.0	2.0	ND			
Endrin aldehyde	1.0	2.0	ND			
Endrin ketone	1.0	2.0	ND			
Chlordane (gamma)	1.0	2.0	ND			
Heptachlor	1.0	2.0	ND			
Heptachlor epoxide	1.0	2.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND			
Methoxychlor	5.0	10.0	ND			
Toxaphene	25.0	50.0	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		100				
Tetrachloro-m-xylene	30-150		86.8				





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### ANALYTICAL RESULTS

**Ordered By****Site**

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Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.		97240.04					
Client Sample I.D.		SB-24-0.5					
Date Sampled		04/16/2019					
Date Prepared		04/17/2019					
Preparation Method		3550B					
Date Analyzed		04/18/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		5					
Analytes	MDL	PQL	Results				
Aldrin	5	10	ND				
Chlordane (Total)	5	10	ND				
Chlordane (alpha)	5	10	ND				
4,4'-DDD (DDD)	5	10	ND				
4,4'-DDE (DDE)	5	10	ND				
4,4'-DDT (DDT)	5	10	ND				
Dieldrin	5	10	ND				
Endosulfan 1	5	10	ND				
Endosulfan 11	5	10	ND				
Endosulfan sulfate	5	10	ND				
Endrin	5	10	ND				
Endrin aldehyde	5	10	ND				
Endrin ketone	5	10	ND				
Chlordane (gamma)	5	10	ND				
Heptachlor	5	10	ND				
Heptachlor epoxide	5	10	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND				
Methoxychlor	25	50	ND				
Toxaphene	125	250	ND				

Comment(s):

97240.04: Analyzed under dilution due to matrix interference



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.04				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		109				
Tetrachloro-m-xylene	30-150		124				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.			97240.05	97240.06	97240.07	97240.08	97240.09
Client Sample I.D.			SB-24-1.0	SB-24-2.0	SB-22-0.5	SB-22-1.0	SB-22-2.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	2.37	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.05	97240.06	97240.07	97240.08	97240.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		112	106	94.0	89.2	102
Tetrachloro-m-xylene	30-150		116	109	110	92.8	114



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### ANALYTICAL RESULTS

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#### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.		97240.10					
Client Sample I.D.		SB-20-0.5					
Date Sampled		04/16/2019					
Date Prepared		04/17/2019					
Preparation Method		3550B					
Date Analyzed		04/19/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		1					
Analytes	MDL	PQL	Results				
Aldrin	1.0	2.0	ND				
Chlordane (Total)	1.0	2.0	2.70				
Chlordane (alpha)	1.0	2.0	1.74J				
4,4'-DDD (DDD)	1.0	2.0	ND				
4,4'-DDE (DDE)	1.0	2.0	ND				
4,4'-DDT (DDT)	1.0	2.0	ND				
Dieldrin	1.0	2.0	ND				
Endosulfan I	1.0	2.0	ND				
Endosulfan II	1.0	2.0	ND				
Endosulfan sulfate	1.0	2.0	ND				
Endrin	1.0	2.0	ND				
Endrin aldehyde	1.0	2.0	ND				
Endrin ketone	1.0	2.0	ND				
Chlordane (gamma)	1.0	2.0	ND				
Heptachlor	1.0	2.0	ND				
Heptachlor epoxide	1.0	2.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND				
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND				
Methoxychlor	5.0	10.0	ND				
Toxaphene	25.0	50.0	ND				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.10				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		105				
Tetrachloro-m-xylene	30-150		112				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.			97240.11	97240.12			
Client Sample I.D.			SB-20-1.0	SB-20-2.0			
Date Sampled			04/16/2019	04/16/2019			
Date Prepared			04/17/2019	04/17/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/19/2019	04/19/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			2	2			
Analytes	MDL	PQL	Results	Results			
Aldrin	2.0	4.0	ND	ND			
Chlordane (Total)	2.0	4.0	ND	ND			
Chlordane (alpha)	2.0	4.0	ND	ND			
4,4'-DDD (DDD)	2.0	4.0	ND	ND			
4,4'-DDE (DDE)	2.0	4.0	ND	ND			
4,4'-DDT (DDT)	2.0	4.0	4.02	8.28			
Dieldrin	2.0	4.0	ND	ND			
Endosulfan I	2.0	4.0	ND	ND			
Endosulfan II	2.0	4.0	ND	ND			
Endosulfan sulfate	2.0	4.0	ND	ND			
Endrin	2.0	4.0	ND	ND			
Endrin aldehyde	2.0	4.0	ND	ND			
Endrin ketone	2.0	4.0	ND	ND			
Chlordane (gamma)	2.0	4.0	ND	ND			
Heptachlor	2.0	4.0	ND	ND			
Heptachlor epoxide	2.0	4.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND	ND			
Methoxychlor	10	20	ND	ND			
Toxaphene	50	100	ND	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.11	97240.12			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		101	77.6			
Tetrachloro-m-xylene	30-150		124	105			





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Page: 17

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.		97240.13					
Client Sample I.D.		SB-23-0.5					
Date Sampled		04/16/2019					
Date Prepared		04/17/2019					
Preparation Method		3550B					
Date Analyzed		04/19/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		5					
Analytes	MDL	PQL	Results				
Aldrin	5	10	ND				
Chlordane (Total)	5	10	10.2				
Chlordane (alpha)	5	10	ND				
4,4'-DDD (DDD)	5	10	ND				
4,4'-DDE (DDE)	5	10	ND				
4,4'-DDT (DDT)	5	10	8.71J				
Dieldrin	5	10	ND				
Endosulfan I	5	10	ND				
Endosulfan II	5	10	ND				
Endosulfan sulfate	5	10	ND				
Endrin	5	10	ND				
Endrin aldehyde	5	10	ND				
Endrin ketone	5	10	ND				
Chlordane (gamma)	5	10	5.71J				
Heptachlor	5	10	ND				
Heptachlor epoxide	5	10	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND				
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND				
Methoxychlor	25	50	ND				
Toxaphene	125	250	ND				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.13				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		104				
Tetrachloro-m-xylene	30-150		102				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.			97240.14	97240.15	97240.16	97240.17	97240.18
Client Sample I.D.			SB-23-1.0	SB-23-2.0	SB-38-0.5	SB-38-1.0	SB-38-2.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.14	97240.15	97240.16	97240.17	97240.18
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		94.4	74.8	79.6	65.6	82.0
Tetrachloro-m-xylene	30-150		114	104	105	91.2	97.2



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Page: 21

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2

Our Lab I.D.			97240.19	97240.20	97240.21	97240.22	97240.23
Client Sample I.D.			SB-39-0.5	SB-39-1.0	SB-39-2.0	SB-10-0.5	SB-10-1.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	28.2	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	14.9	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	1.22J	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	5.79	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	14.6	ND	ND	ND	ND
Dieldrin	1.0	2.0	1.16J	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	13.3	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.19	97240.20	97240.21	97240.22	97240.23
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		77.6	30.0	82.4	90.0	90.4
Tetrachloro-m-xylene	30-150		96.4	60.4	93.6	86.4	101



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## ANALYTICAL RESULTS

### Ordered By

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.			Method Blank	97240.24	97240.25	97240.26	97240.27
Client Sample I.D.				SB-10-2.0	SB-09-0.5	SB-09-1.0	SB-09-2.0
Date Sampled				04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

#### Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97240.24	97240.25	97240.26	97240.27
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		90.8	90.8	86.4	98.0	67.2
Tetrachloro-m-xylene	30-150		84.8	87.2	90.0	104	72.8





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## ANALYTICAL RESULTS

### Ordered By

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### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.		97240.28	97240.29	97240.30		
Client Sample I.D.		SB-08-0.5	SB-08-1.0	SB-08-2.0		
Date Sampled		04/16/2019	04/16/2019	04/16/2019		
Date Prepared		04/18/2019	04/18/2019	04/18/2019		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		04/22/2019	04/22/2019	04/22/2019		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	ND	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	
Dieldrin	1.0	2.0	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	
Toxaphene	25.0	50.0	ND	ND	ND	



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.28	97240.29	97240.30		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		102	114	76.0		
Tetrachloro-m-xylene	30-150		98.8	100	74.8		



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### ANALYTICAL RESULTS

#### Ordered By

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Pasadena, CA 91107-6024

#### Site

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Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.		97240.31				
Client Sample I.D.		SB-05-0.5				
Date Sampled		04/16/2019				
Date Prepared		04/18/2019				
Preparation Method		3550B				
Date Analyzed		04/22/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		5				
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	ND			
4,4'-DDT (DDT)	5	10	5.28J			
Dieldrin	5	10	ND			
Endosulfan I	5	10	ND			
Endosulfan II	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	125	250	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.31				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		88.0				
Tetrachloro-m-xylene	30-150		94.0				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.			97240.32	97240.33			
Client Sample I.D.			SB-05-1.0	SB-05-2.0			
Date Sampled			04/16/2019	04/16/2019			
Date Prepared			04/18/2019	04/18/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/22/2019	04/22/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	ND			
4,4'-DDT (DDT)	1.0	2.0	ND	ND			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	25.0	50.0	ND	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.32	97240.33			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		54.0	85.6			
Tetrachloro-m-xylene	30-150		60.0	95.2			



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## ANALYTICAL RESULTS

### Ordered By

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.		97240.34					
Client Sample I.D.		SB-02-0.5					
Date Sampled		04/16/2019					
Date Prepared		04/18/2019					
Preparation Method		3550B					
Date Analyzed		04/22/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		10					
Analytes	MDL	PQL	Results				
Aldrin	10	20	ND				
Chlordane (Total)	10	20	ND				
Chlordane (alpha)	10	20	ND				
4,4'-DDD (DDD)	10	20	ND				
4,4'-DDE (DDE)	10	20	ND				
4,4'-DDT (DDT)	10	20	ND				
Dieldrin	10	20	ND				
Endosulfan I	10	20	ND				
Endosulfan II	10	20	ND				
Endosulfan sulfate	10	20	ND				
Endrin	10	20	ND				
Endrin aldehyde	10	20	ND				
Endrin ketone	10	20	ND				
Chlordane (gamma)	10	20	ND				
Heptachlor	10	20	ND				
Heptachlor epoxide	10	20	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	10	20	ND				
beta-Hexachlorocyclohexane (Beta-BHC)	10	20	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	10	20	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	10	20	ND				
Methoxychlor	50	100	ND				
Toxaphene	250	500	ND				

Comment(s):

97240.34: Analyzed under dilution due to matrix interference



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.34				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		94.8				
Tetrachloro-m-xylene	30-150		122				





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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Page: 33

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.			97240.35	97240.36	97240.37	97240.38	97240.39
Client Sample I.D.			SB-02-1.0	SB-02-2.0	SB-03-0.5	SB-03-1.0	SB-03-2.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	4.56	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.35	97240.36	97240.37	97240.38	97240.39
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		85.2	77.6	80.4	84.4	85.6
Tetrachloro-m-xylene	30-150		94.0	92.4	91.6	98.0	101



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### ANALYTICAL RESULTS

#### Ordered By

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 35

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1

Our Lab I.D.			97240.40	97240.41			
Client Sample I.D.			SB-06-0.5	SB-06-1.0			
Date Sampled			04/16/2019	04/16/2019			
Date Prepared			04/18/2019	04/18/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/22/2019	04/22/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	ND			
4,4'-DDT (DDT)	1.0	2.0	ND	ND			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	25.0	50.0	ND	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97240.40	97240.41			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		77.2	72.0			
Tetrachloro-m-xylene	30-150		93.6	84.8			



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## ANALYTICAL RESULTS

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### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2

Our Lab I.D.			Method Blank	97240.42	97240.43	97240.44	97240.45
Client Sample I.D.				SB-06-2.0	SB-07-0.5	SB-07-1.0	SB-07-2.0
Date Sampled				04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

#### Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97240.42	97240.43	97240.44	97240.45
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		84.8	72.8	80.8	63.6	69.2
Tetrachloro-m-xylene	30-150		90.8	85.2	91.2	72.0	77.6



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041819ZB1

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		04/18/2019				
Preparation Method		3550B				
Date Analyzed		04/18/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Aroclor-1016 (PCB-1016)	20.0	50.0	ND			
Aroclor-1221 (PCB-1221)	20.0	50.0	ND			
Aroclor-1232 (PCB-1232)	20.0	50.0	ND			
Aroclor-1242 (PCB-1242)	20.0	50.0	ND			
Aroclor-1248 (PCB-1248)	20.0	50.0	ND			
Aroclor-1254 (PCB-1254)	20.0	50.0	ND			
Aroclor-1260 (PCB-1260)	20.0	50.0	ND			
Aroclor-1262 (PCB-1262)	20.0	50.0	ND			
Aroclor-1268 (PCB-1268)	20.0	50.0	ND			
<b>Our Lab I.D.</b>		Method Blank				
<b>Surrogates</b>	<b>%Rec.Limit</b>	<b>% Rec.</b>				
Decachlorobiphenyl	30-150	138				
Tetrachloro-m-xylene	30-150	118				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041819ZB1

Our Lab I.D.		97240.04				
Client Sample I.D.		SB-24-0.5				
Date Sampled		04/16/2019				
Date Prepared		04/18/2019				
Preparation Method		3550B				
Date Analyzed		04/18/2019				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		5				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	100	250	ND			
Aroclor-1221 (PCB-1221)	100	250	ND			
Aroclor-1232 (PCB-1232)	100	250	ND			
Aroclor-1242 (PCB-1242)	100	250	ND			
Aroclor-1248 (PCB-1248)	100	250	ND			
Aroclor-1254 (PCB-1254)	100	250	ND			
Aroclor-1260 (PCB-1260)	100	250	ND			
Aroclor-1262 (PCB-1262)	100	250	ND			
Aroclor-1268 (PCB-1268)	100	250	ND			

Comment(s):

97240.04: Analyzed under dilution due to matrix interference

Our Lab I.D.		97240.04				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	148				
Tetrachloro-m-xylene	30-150	126				





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041819ZB1

<b>Our Lab I.D.</b>			<b>97240.19</b>				
Client Sample I.D.			SB-39-0.5				
Date Sampled			04/16/2019				
Date Prepared			04/18/2019				
Preparation Method			3550B				
Date Analyzed			04/18/2019				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Aroclor-1016 (PCB-1016)	20.0	50.0	ND				
Aroclor-1221 (PCB-1221)	20.0	50.0	ND				
Aroclor-1232 (PCB-1232)	20.0	50.0	ND				
Aroclor-1242 (PCB-1242)	20.0	50.0	ND				
Aroclor-1248 (PCB-1248)	20.0	50.0	ND				
Aroclor-1254 (PCB-1254)	20.0	50.0	ND				
Aroclor-1260 (PCB-1260)	20.0	50.0	ND				
Aroclor-1262 (PCB-1262)	20.0	50.0	ND				
Aroclor-1268 (PCB-1268)	20.0	50.0	ND				
<b>Our Lab I.D.</b>			<b>97240.19</b>				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
Decachlorobiphenyl	30-150		123				
Tetrachloro-m-xylene	30-150		114				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C1

Our Lab I.D.			Method Blank	97240.01	97240.02	97240.04	97240.05
Client Sample I.D.				SB-40-3.0	SB-40-5.0	SB-24-0.5	SB-24-1.0
Date Sampled				04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	119	142	73.5	94.9
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	20.8	22.0	15.4	20.3
Cobalt	2.5	5.0	ND	13.0	7.82	6.59	7.66
Copper	2.5	5.0	ND	10.7	15.0	17.2	8.40
Lead	2.5	5.0	ND	3.82J	2.90J	12.4	2.64J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.212	ND	0.116J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	10.6	9.38	8.30	7.83
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	44.2	41.8	31.1	40.6
Zinc	2.5	5.0	ND	36.1	49.8	52.9	35.2



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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C1

Our Lab I.D.			97240.06	97240.07	97240.08	97240.09	97240.10
Client Sample I.D.			SB-24-2.0	SB-22-0.5	SB-22-1.0	SB-22-2.0	SB-20-0.5
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	87.2	98.9	94.2	108	111
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	17.8	16.2	16.6	22.8	19.6
Cobalt	2.5	5.0	8.95	8.69	10.1	10.3	9.31
Copper	2.5	5.0	10.5	12.9	11.1	10.8	13.6
Lead	2.5	5.0	2.76J	66.5	6.61	2.92J	15.3
Mercury (By EPA 7471)	0.1	0.2	ND	0.104J	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	7.88	8.25	8.50	10.4	10.8
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	30.8	31.2	32.8	45.5	38.9
Zinc	2.5	5.0	30.1	74.9	33.2	37.4	59.3



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C1

<b>Our Lab I.D.</b>			<b>97240.11</b>				
Client Sample I.D.			SB-20-1.0				
Date Sampled			04/16/2019				
Date Prepared			04/18/2019				
Preparation Method			3050B				
Date Analyzed			04/19/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	107				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	19.8				
Cobalt	2.5	5.0	8.60				
Copper	2.5	5.0	12.7				
Lead	2.5	5.0	64.0				
Mercury (By EPA 7471)	0.1	0.2	ND				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	10.5				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	38.2				
Zinc	2.5	5.0	77.0				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C2

Our Lab I.D.			Method Blank	97240.12	97240.13	97240.14	97240.15
Client Sample I.D.				SB-20-2.0	SB-23-0.5	SB-23-1.0	SB-23-2.0
Date Sampled				04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	94.7	40.0	81.0	91.5
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	17.7	33.5	15.8	14.6
Cobalt	2.5	5.0	ND	8.22	8.94	6.17	8.53
Copper	2.5	5.0	ND	12.2	12.4	11.8	10.6
Lead	2.5	5.0	ND	94.8	4.10J	82.8	8.24
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	0.336	ND
Molybdenum	2.0	5.0	ND	ND	2.05J	ND	ND
Nickel	2.5	5.0	ND	8.51	19.4	6.64	7.37
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	32.0	57.2	28.4	28.2
Zinc	2.5	5.0	ND	74.9	44.6	180	33.8



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## ANALYTICAL RESULTS

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C2

Our Lab I.D.			97240.16	97240.17	97240.18	97240.19	97240.20
Client Sample I.D.			SB-38-0.5	SB-38-1.0	SB-38-2.0	SB-39-0.5	SB-39-1.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	119	108	109	80.9	124
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	19.7	18.9	19.1	15.6	20.7
Cobalt	2.5	5.0	8.49	7.97	7.78	6.65	10.9
Copper	2.5	5.0	13.6	12.2	12.7	16.9	11.9
Lead	2.5	5.0	12.5	13.5	9.77	33.6	6.03
Mercury (By EPA 7471)	0.1	0.2	0.124J	0.105J	0.135J	0.305	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	9.67	8.94	9.03	8.64	10.8
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	39.6	38.3	39.7	25.9	41.6
Zinc	2.5	5.0	63.2	56.7	52.5	98.3	45.2



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C2

Our Lab I.D.			97240.21	97240.22			
Client Sample I.D.			SB-39-2.0	SB-10-0.5			
Date Sampled			04/16/2019	04/16/2019			
Date Prepared			04/18/2019	04/18/2019			
Preparation Method			3050B	3050B			
Date Analyzed			04/19/2019	04/19/2019			
Matrix			Soil	Soil			
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	107	105			
Beryllium	1.0	2.5	ND	ND			
Cadmium	1.0	2.5	ND	ND			
Chromium	2.5	5.0	22.2	16.0			
Cobalt	2.5	5.0	8.74	9.46			
Copper	2.5	5.0	11.6	12.0			
Lead	2.5	5.0	4.77J	9.88			
Mercury (By EPA 7471)	0.1	0.2	ND	0.160J			
Molybdenum	2.0	5.0	ND	ND			
Nickel	2.5	5.0	9.68	8.25			
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	42.6	30.9			
Zinc	2.5	5.0	41.4	43.7			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C3

Our Lab I.D.			Method Blank	97240.23	97240.24	97240.25	97240.26
Client Sample I.D.				SB-10-1.0	SB-10-2.0	SB-09-0.5	SB-09-1.0
Date Sampled				04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	99.7	101	118	118
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	17.4	18.8	17.4	18.4
Cobalt	2.5	5.0	ND	10.1	10.0	10.3	10.3
Copper	2.5	5.0	ND	11.3	11.1	13.0	13.7
Lead	2.5	5.0	ND	3.31J	3.39J	3.78J	4.08J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	8.87	8.91	9.55	10.0
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	35.4	38.1	35.2	37.0
Zinc	2.5	5.0	ND	32.5	32.4	37.1	37.4





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#### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C3

Our Lab I.D.			97240.27	97240.28	97240.29	97240.30	97240.31
Client Sample I.D.			SB-09-2.0	SB-08-0.5	SB-08-1.0	SB-08-2.0	SB-05-0.5
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	119	113	106	129	106
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	18.6	17.1	17.2	21.0	21.0
Cobalt	2.5	5.0	10.9	12.2	9.87	11.1	8.55
Copper	2.5	5.0	14.0	16.7	12.9	15.1	14.2
Lead	2.5	5.0	3.36J	30.8	2.73J	6.23	178
Mercury (By EPA 7471)	0.1	0.2	ND	0.187J	ND	ND	0.118J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	10.4	9.71	9.76	11.4	9.94
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	38.2	31.8	33.9	41.0	39.7
Zinc	2.5	5.0	38.0	77.5	36.3	65.4	69.5



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C3

Our Lab I.D.			97240.32	97240.33			
Client Sample I.D.			SB-05-1.0	SB-05-2.0			
Date Sampled			04/16/2019	04/16/2019			
Date Prepared			04/18/2019	04/18/2019			
Preparation Method			3050B	3050B			
Date Analyzed			04/19/2019	04/19/2019			
Matrix			Soil	Soil			
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	91.4	125			
Beryllium	1.0	2.5	ND	ND			
Cadmium	1.0	2.5	ND	ND			
Chromium	2.5	5.0	17.3	20.3			
Cobalt	2.5	5.0	7.61	6.80			
Copper	2.5	5.0	14.1	11.1			
Lead	2.5	5.0	5.58	7.69			
Mercury (By EPA 7471)	0.1	0.2	0.168J	0.133J			
Molybdenum	2.0	5.0	ND	ND			
Nickel	2.5	5.0	8.42	9.11			
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	35.5	39.5			
Zinc	2.5	5.0	48.5	45.3			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C4

Our Lab I.D.			Method Blank	97240.34	97240.35	97240.36	97240.37
Client Sample I.D.				SB-02-0.5	SB-02-1.0	SB-02-2.0	SB-03-0.5
Date Sampled				04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	9.65
Barium	2.5	5.0	ND	85.9	94.2	86.5	85.4
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	13.2	14.5	14.6	15.2
Cobalt	2.5	5.0	ND	6.74	7.74	6.85	6.89
Copper	2.5	5.0	ND	14.0	9.43	8.74	27.8
Lead	2.5	5.0	ND	19.5	3.42J	2.71J	27.8
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.119J	0.148J	0.247
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	7.42	6.64	6.41	7.33
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	33.3	36.1	34.4	34.4
Zinc	2.5	5.0	ND	63.2	40.3	37.1	89.2



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C4

Our Lab I.D.			97240.38	97240.39	97240.40	97240.41	97240.42
Client Sample I.D.			SB-03-1.0	SB-03-2.0	SB-06-0.5	SB-06-1.0	SB-06-2.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	74.8	67.7	62.4	54.7	57.7
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	13.4	12.1	12.5	11.6	11.6
Cobalt	2.5	5.0	6.77	6.52	6.42	5.88	6.29
Copper	2.5	5.0	12.3	11.0	12.3	10.5	10.7
Lead	2.5	5.0	18.1	25.2	4.38J	ND	ND
Mercury (By EPA 7471)	0.1	0.2	0.131J	0.124J	0.155J	0.207	0.162J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	6.24	5.56	6.28	5.62	5.69
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	32.7	29.4	32.6	28.8	29.2
Zinc	2.5	5.0	66.1	57.4	42.7	36.5	38.0



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C4

Our Lab I.D.			97240.43	97240.44	97240.45		
Client Sample I.D.			SB-07-0.5	SB-07-1.0	SB-07-2.0		
Date Sampled			04/16/2019	04/16/2019	04/16/2019		
Date Prepared			04/18/2019	04/18/2019	04/18/2019		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			04/19/2019	04/19/2019	04/19/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	ND	ND		
Barium	2.5	5.0	110	134	274		
Beryllium	1.0	2.5	ND	ND	ND		
Cadmium	1.0	2.5	ND	ND	ND		
Chromium	2.5	5.0	18.9	16.4	19.3		
Cobalt	2.5	5.0	7.40	6.54	6.68		
Copper	2.5	5.0	15.0	10.7	11.2		
Lead	2.5	5.0	21.5	6.92	7.41		
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND		
Molybdenum	2.0	5.0	ND	ND	ND		
Nickel	2.5	5.0	8.82	8.14	9.87		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.0	5.0	ND	ND	ND		
Thallium	0.7	5.0	ND	ND	ND		
Vanadium	2.5	5.0	35.4	34.5	37.4		
Zinc	2.5	5.0	68.7	41.9	43.0		



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C1

Our Lab I.D.		Method Blank	97240.04	97240.05	97240.06	97240.07
Client Sample I.D.			SB-24-0.5	SB-24-1.0	SB-24-2.0	SB-22-0.5
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	2.58	2.09	1.78
Thallium	0.30	1.00	ND	ND	ND	ND



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**Site**

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C1

Our Lab I.D.		97240.08	97240.09	97240.10	97240.11	
Client Sample I.D.		SB-22-1.0	SB-22-2.0	SB-20-0.5	SB-20-1.0	
Date Sampled		04/16/2019	04/16/2019	04/16/2019	04/16/2019	
Date Prepared		04/18/2019	04/18/2019	04/18/2019	04/18/2019	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		04/18/2019	04/18/2019	04/18/2019	04/18/2019	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	1.74	2.67	2.96	3.43
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C2

Our Lab I.D.		Method Blank	97240.12	97240.13	97240.14	97240.15
Client Sample I.D.			SB-20-2.0	SB-23-0.5	SB-23-1.0	SB-23-2.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	4.11	2.91	2.11
Thallium	0.30	1.00	ND	ND	ND	ND





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C2

Our Lab I.D.			97240.16	97240.17	97240.18	97240.19	97240.20
Client Sample I.D.			SB-38-0.5	SB-38-1.0	SB-38-2.0	SB-39-0.5	SB-39-1.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	2.74	1.89	2.44	3.67	2.31
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C2

Our Lab I.D.		97240.21	97240.22			
Client Sample I.D.		SB-39-2.0	SB-10-0.5			
Date Sampled		04/16/2019	04/16/2019			
Date Prepared		04/18/2019	04/18/2019			
Preparation Method		3050B	3050B			
Date Analyzed		04/18/2019	04/18/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Arsenic	0.10	1.00	2.84	1.72		
Thallium	0.30	1.00	ND	ND		



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C3

Our Lab I.D.		Method Blank	97240.23	97240.24	97240.25	97240.26
Client Sample I.D.			SB-10-1.0	SB-10-2.0	SB-09-0.5	SB-09-1.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	1.78	2.23	2.26
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C3

Our Lab I.D.			97240.27	97240.28	97240.29	97240.30	97240.31
Client Sample I.D.			SB-09-2.0	SB-08-0.5	SB-08-1.0	SB-08-2.0	SB-05-0.5
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	2.28	2.16	1.92	2.50	2.48
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C3

Our Lab I.D.		97240.32	97240.33			
Client Sample I.D.		SB-05-1.0	SB-05-2.0			
Date Sampled		04/16/2019	04/16/2019			
Date Prepared		04/18/2019	04/18/2019			
Preparation Method		3050B	3050B			
Date Analyzed		04/18/2019	04/18/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Arsenic	0.10	1.00	3.15	2.20		
Thallium	0.30	1.00	ND	ND		



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C4

Our Lab I.D.		Method Blank	97240.34	97240.35	97240.36	97240.37
Client Sample I.D.			SB-02-0.5	SB-02-1.0	SB-02-2.0	SB-03-0.5
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	3.22	2.93	1.99
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C4

Our Lab I.D.			97240.38	97240.39	97240.40	97240.41	97240.42
Client Sample I.D.			SB-03-1.0	SB-03-2.0	SB-06-0.5	SB-06-1.0	SB-06-2.0
Date Sampled			04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	4.11	3.98	2.59	2.16	2.80
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C4

Our Lab I.D.		97240.43	97240.44	97240.45		
Client Sample I.D.		SB-07-0.5	SB-07-1.0	SB-07-2.0		
Date Sampled		04/16/2019	04/16/2019	04/16/2019		
Date Prepared		04/18/2019	04/18/2019	04/18/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		04/18/2019	04/18/2019	04/18/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.10	1.00	2.37	2.35	2.24	
Thallium	0.30	1.00	ND	ND	ND	





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0417191A2

Our Lab I.D.			Method Blank	97240.46			
Client Sample I.D.				LATB-20190 416-NT			
Date Sampled				04/16/2019			
Date Prepared			04/17/2019	04/17/2019			
Preparation Method			5030B	5030B			
Date Analyzed			04/17/2019	04/17/2019			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	10	10	ND	ND			
Benzene	0.5	1.0	ND	ND			
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND			
Bromochloromethane	0.5	1.0	ND	ND			
Bromodichloromethane	0.5	1.0	ND	ND			
Bromoform (Tribromomethane)	2.5	5.0	ND	ND			
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND			
2-Butanone (MEK)	5.0	5.0	ND	ND			
n-Butylbenzene	0.5	1.0	ND	ND			
sec-Butylbenzene	0.5	1.0	ND	ND			
tert-Butylbenzene	0.5	1.0	ND	ND			
Carbon Disulfide	0.5	1.0	ND	ND			
Carbon tetrachloride	0.5	1.0	ND	ND			
Chlorobenzene	0.5	1.0	ND	ND			
Chloroethane	1.5	3.0	ND	ND			
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND			
Chloroform (Trichloromethane)	0.5	1.0	ND	ND			
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND			
2-Chlorotoluene	0.5	1.0	ND	ND			
4-Chlorotoluene	0.5	1.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND			
Dibromochloromethane	0.5	1.0	ND	ND			
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND			
Dibromomethane	0.5	1.0	ND	ND			
1,2-Dichlorobenzene	0.5	1.0	ND	ND			
1,3-Dichlorobenzene	0.5	1.0	ND	ND			
1,4-Dichlorobenzene	0.5	1.0	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0417191A2

Our Lab I.D.			Method Blank	97240.46			
Client Sample I.D.				LATB-20190 416-NT			
Date Sampled				04/16/2019			
Date Prepared			04/17/2019	04/17/2019			
Preparation Method			5030B	5030B			
Date Analyzed			04/17/2019	04/17/2019			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	1.5	3.0	ND	ND			
1,1-Dichloroethane	0.5	1.0	ND	ND			
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND			
1,1-Dichloroethene	0.5	1.0	ND	ND			
cis-1,2-Dichloroethene	0.5	1.0	ND	ND			
trans-1,2-Dichloroethene	0.5	1.0	ND	ND			
1,2-Dichloropropane	0.5	1.0	ND	ND			
1,3-Dichloropropane	0.5	1.0	ND	ND			
2,2-Dichloropropane	0.5	1.0	ND	ND			
1,1-Dichloropropene	0.5	1.0	ND	ND			
cis-1,3-Dichloropropene	0.5	1.0	ND	ND			
trans-1,3-Dichloropropene	0.5	1.0	ND	ND			
Ethylbenzene	0.5	1.0	ND	ND			
Hexachlorobutadiene	1.5	3.0	ND	ND			
2-Hexanone	2.5	5.0	ND	ND			
Iodomethane	0.5	1.0	ND	ND			
Isopropylbenzene	0.5	1.0	ND	ND			
p-Isopropyltoluene	0.5	1.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND			
Methylene chloride (DCM)	2.0	4.0	ND	ND			
Naphthalene	0.5	1.0	ND	ND			
n-Propylbenzene	0.5	1.0	ND	ND			
Styrene	0.5	1.0	ND	ND			
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND			
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND			
Tetrachloroethene	0.5	1.0	ND	ND			
Toluene (Methyl benzene)	0.5	1.0	ND	ND			
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND			
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND			
1,1,1-Trichloroethane	0.5	1.0	ND	ND			
1,1,2-Trichloroethane	0.5	1.0	ND	ND			
Trichloroethene	0.5	1.0	ND	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0417191A2

Our Lab I.D.		Method Blank	97240.46			
Client Sample I.D.			LATB-20190 416-NT			
Date Sampled			04/16/2019			
Date Prepared		04/17/2019	04/17/2019			
Preparation Method		5030B	5030B			
Date Analyzed		04/17/2019	04/17/2019			
Matrix		Aqueous	Aqueous			
Units		ug/L	ug/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Trichlorofluoromethane	0.5	1.0	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND		
o-Xylene	0.5	1.0	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND		
Our Lab I.D.		Method Blank	97240.46			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Bromofluorobenzene	75-125	96.5	97.3			
Dibromofluoromethane	75-125	105	106			
Toluene-d8	75-125	103	102			



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041619NB2

Our Lab I.D.			Method Blank	97240.46			
Client Sample I.D.				LATB-20190 416-NT			
Date Sampled				04/16/2019			
Date Prepared			04/16/2019	04/16/2019			
Preparation Method			5030B	5030B			
Date Analyzed			04/17/2019	04/17/2019			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	97240.46			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		117	107			



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### ANALYTICAL RESULTS

#### Ordered By

Tetra Tech, Inc.  
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#### Site

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Page: 69

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0417192C8

Our Lab I.D.			Method Blank	97240.47			
Client Sample I.D.				EB-20190416 -NT			
Date Sampled				04/16/2019			
Date Prepared			04/17/2019	04/17/2019			
Preparation Method			3005A	3005A			
Date Analyzed			04/18/2019	04/18/2019			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			



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## QUALITY CONTROL RESULTS

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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C1; Dup or Spiked Sample: 97240.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	50.5	101	50.0	50.0	100	<1	75-125	<15
Arsenic	0.00	50.0	42.9	85.8	50.0	43.3	86.6	<1	75-125	<15
Barium	73.5	50.0	136	125	50.0	136	125	<1	75-125	<15
Beryllium	0.00	50.0	45.7	91.4	50.0	46.0	92.0	<1	75-125	<15
Cadmium	0.00	50.0	46.8	93.6	50.0	46.9	93.8	<1	75-125	<15
Chromium	15.4	50.0	63.8	96.8	50.0	64.0	97.2	<1	75-125	<15
Cobalt	6.59	50.0	51.9	90.6	50.0	51.9	90.6	<1	75-125	<15
Copper	17.2	50.0	68.2	102	50.0	68.7	103	<1	75-125	<15
Lead	12.4	50.0	50.0	75.2	50.0	49.9	75.0	<1	75-125	<15
Mercury (By EPA 7471)	0.0770	0.500	0.534	91.3	0.500	0.529	90.3	1.1	75-125	<15
Molybdenum	0.00	50.0	45.7	91.4	50.0	46.0	92.0	<1	75-125	<15
Nickel	8.30	50.0	51.2	85.8	50.0	51.4	86.2	<1	75-125	<15
Selenium	0.00	50.0	38.0	76.0	50.0	36.7 #	73.4	3.48	75-125	<15
Silver	0.00	50.0	42.0	84.0	50.0	42.3	84.6	<1	75-125	<15
Thallium	0.00	50.0	29.0 #	58.0	50.0	29.1 #	58.2	<1	75-125	<15
Vanadium	31.1	50.0	83.1	104	50.0	83.6	105	<1	75-125	<15
Zinc	52.9	50.0	96.0	86.2	50.0	96.6	87.4	1.38	75-125	<15

QC Batch No: 0418192C1; Dup or Spiked Sample: 97240.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	51.8	104	50.0	52.3	105	<1	75-125	<15	
Arsenic	50.0	51.0	102	50.0	51.7	103	<1	75-125	<15	
Barium	50.0	51.3	103	50.0	51.1	102	<1	75-125	<15	
Beryllium	50.0	51.1	102	50.0	50.9	102	<1	75-125	<15	
Cadmium	50.0	51.5	103	50.0	51.4	103	<1	75-125	<15	
Chromium	50.0	51.5	103	50.0	51.9	104	<1	75-125	<15	
Cobalt	50.0	50.7	101	50.0	50.6	101	<1	75-125	<15	
Copper	50.0	49.7	99.4	50.0	49.7	99.4	<1	75-125	<15	
Lead	50.0	49.0	98.0	50.0	49.2	98.4	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.525	105	0.500	0.525	105	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C1; Dup or Spiked Sample: 97240.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	49.1	98.2	50.0	49.7	99.4	1.21	75-125	<15	
Nickel	50.0	50.0	100	50.0	50.0	100	<1	75-125	<15	
Selenium	50.0	51.1	102	50.0	52.3	105	2.90	75-125	<15	
Silver	50.0	51.0	102	50.0	50.9	102	<1	75-125	<15	
Thallium	50.0	49.9	99.8	50.0	49.5	99.0	<1	75-125	<15	
Vanadium	50.0	51.4	103	50.0	51.3	103	<1	75-125	<15	
Zinc	50.0	54.4	109	50.0	54.6	109	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

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### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C2; Dup or Spiked Sample: 97240.12; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	50.5	101	50.0	52.0	104	2.9	75-125	<15
Arsenic	0.00	50.0	46.7	93.4	50.0	45.1	90.2	3.5	75-125	<15
Barium	94.7	50.0	142	94.6	50.0	141	92.6	2.1	75-125	<15
Beryllium	0.00	50.0	47.6	95.2	50.0	47.7	95.4	<1	75-125	<15
Cadmium	0.00	50.0	47.6	95.2	50.0	49.0	98.0	2.9	75-125	<15
Chromium	17.7	50.0	65.6	95.8	50.0	65.2	95.0	<1	75-125	<15
Cobalt	8.22	50.0	54.0	91.6	50.0	54.0	91.6	<1	75-125	<15
Copper	12.2	50.0	62.2	100	50.0	62.2	100	<1	75-125	<15
Lead	94.8	50.0	339 #	488	50.0	338 #	486	<1	75-125	<15
Mercury (By EPA 7471)	0.0810	0.500	0.751#	134	0.500	0.751#	134	<1	75-125	<15
Molybdenum	0.00	50.0	47.7	95.4	50.0	47.9	95.8	<1	75-125	<15
Nickel	8.51	50.0	54.1	91.2	50.0	54.0	91.0	<1	75-125	<15
Selenium	0.00	50.0	39.1	78.2	50.0	38.6	77.2	1.3	75-125	<15
Silver	0.00	50.0	43.0	86.0	50.0	42.9	85.8	<1	75-125	<15
Thallium	0.00	50.0	31.1 #	62.2	50.0	30.8 #	61.6	<1	75-125	<15
Vanadium	32.0	50.0	83.6	103	50.0	83.2	102	<1	75-125	<15
Zinc	74.9	50.0	127	104	50.0	126	102	1.9	75-125	<15

QC Batch No: 0418192C2; Dup or Spiked Sample: 97240.12; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	52.3	105	50.0	53.0	106	<1	75-125	<15	
Arsenic	50.0	50.8	102	50.0	50.8	102	<1	75-125	<15	
Barium	50.0	51.9	104	50.0	51.2	102	1.9	75-125	<15	
Beryllium	50.0	51.5	103	50.0	51.4	103	<1	75-125	<15	
Cadmium	50.0	52.4	105	50.0	51.7	103	1.9	75-125	<15	
Chromium	50.0	52.4	105	50.0	53.4	107	1.9	75-125	<15	
Cobalt	50.0	50.6	101	50.0	49.9	99.8	1.2	75-125	<15	
Copper	50.0	50.3	101	50.0	49.5	99.0	2.0	75-125	<15	
Lead	50.0	49.6	99.2	50.0	50.0	100	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.530	106	0.500	0.520	104	1.9	75-125	<15	





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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C2; Dup or Spiked Sample: 97240.12; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	50.2	100	50.0	50.2	100	<1	75-125	<15	
Nickel	50.0	50.8	102	50.0	50.0	100	2.0	75-125	<15	
Selenium	50.0	52.5	105	50.0	53.0	106	<1	75-125	<15	
Silver	50.0	51.5	103	50.0	50.7	101	2.0	75-125	<15	
Thallium	50.0	49.4	98.8	50.0	49.8	99.6	<1	75-125	<15	
Vanadium	50.0	52.2	104	50.0	51.5	103	<1	75-125	<15	
Zinc	50.0	54.5	109	50.0	54.9	110	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

Tetra Tech, Inc.  
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Attn: Robert Sabater

Page: 74

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C3; Dup or Spiked Sample: 97240.23; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	51.5	103	<1	75-125	<15
Arsenic	0.00	50.0	43.4	86.8	50.0	41.3	82.6	4.96	75-125	<15
Barium	99.7	50.0	155	111	50.0	156	113	1.79	75-125	<15
Beryllium	0.00	50.0	47.6	95.2	50.0	47.7	95.4	<1	75-125	<15
Cadmium	0.00	50.0	47.5	95.0	50.0	47.6	95.2	<1	75-125	<15
Chromium	17.4	50.0	67.7	101	50.0	67.8	101	<1	75-125	<15
Cobalt	10.1	50.0	57.4	94.6	50.0	57.7	95.2	<1	75-125	<15
Copper	11.3	50.0	61.3	100	50.0	61.5	100	<1	75-125	<15
Lead	3.31	50.0	44.8	83.0	50.0	44.8	83.0	<1	75-125	<15
Mercury (By EPA 7471)	0.0200	0.500	0.470	90.0	0.500	0.468	89.6	<1	75-125	<15
Molybdenum	0.00	50.0	47.8	95.6	50.0	48.3	96.6	1.04	75-125	<15
Nickel	8.87	50.0	54.5	91.3	50.0	54.7	91.7	<1	75-125	<15
Selenium	0.00	50.0	35.5 #	71.0	50.0	35.4 #	70.8	<1	75-125	<15
Silver	0.00	50.0	42.0	84.0	50.0	42.2	84.4	<1	75-125	<15
Thallium	0.00	50.0	30.7 #	61.4	50.0	30.4 #	60.8	<1	75-125	<15
Vanadium	35.4	50.0	88.5	106	50.0	89.0	107	<1	75-125	<15
Zinc	32.5	50.0	85.8	107	50.0	86.3	108	<1	75-125	<15

QC Batch No: 0418192C3; Dup or Spiked Sample: 97240.23; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	52.4	105	50.0	52.7	105	<1	75-125	<15	
Arsenic	50.0	51.2	102	50.0	51.7	103	<1	75-125	<15	
Barium	50.0	51.6	103	50.0	52.0	104	<1	75-125	<15	
Beryllium	50.0	51.7	103	50.0	51.9	104	<1	75-125	<15	
Cadmium	50.0	52.2	104	50.0	52.7	105	<1	75-125	<15	
Chromium	50.0	52.4	105	50.0	52.6	105	<1	75-125	<15	
Cobalt	50.0	49.9	99.8	50.0	50.3	101	1.20	75-125	<15	
Copper	50.0	50.1	100	50.0	50.5	101	<1	75-125	<15	
Lead	50.0	49.4	98.8	50.0	49.8	99.6	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.510	102	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C3; Dup or Spiked Sample: 97240.23; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	50.1	100	50.0	50.5	101	<1	75-125	<15	
Nickel	50.0	50.5	101	50.0	51.1	102	<1	75-125	<15	
Selenium	50.0	52.6	105	50.0	52.8	106	<1	75-125	<15	
Silver	50.0	51.4	103	50.0	51.8	104	<1	75-125	<15	
Thallium	50.0	49.4	98.8	50.0	49.0	98.0	<1	75-125	<15	
Vanadium	50.0	51.9	104	50.0	52.5	105	<1	75-125	<15	
Zinc	50.0	54.0	108	50.0	54.4	109	<1	75-125	<15	



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Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C4; Dup or Spiked Sample: 97240.34; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	50.1	100	50.0	51.5	103	2.96	75-125	<15
Arsenic	0.00	50.0	43.5	87.0	50.0	46.0	92.0	5.59	75-125	<15
Barium	85.9	50.0	131	90.2	50.0	132	92.2	2.19	75-125	<15
Beryllium	0.00	50.0	44.4	88.8	50.0	44.5	89.0	<1	75-125	<15
Cadmium	0.00	50.0	45.7	91.4	50.0	45.7	91.4	<1	75-125	<15
Chromium	13.2	50.0	57.6	88.8	50.0	57.7	89.0	<1	75-125	<15
Cobalt	6.74	50.0	47.7	81.9	50.0	47.7	81.9	<1	75-125	<15
Copper	14.0	50.0	63.6	99.2	50.0	63.9	99.8	<1	75-125	<15
Lead	19.5	50.0	63.0	87.0	50.0	63.0	87.0	<1	75-125	<15
Mercury (By EPA 7471)	0.0430	0.500	0.485	88.4	0.500	0.690#	129	37.6	75-125	<15
Molybdenum	0.00	50.0	44.7	89.4	50.0	44.8	89.6	<1	75-125	<15
Nickel	7.42	50.0	48.7	82.6	50.0	48.7	82.6	<1	75-125	<15
Selenium	0.00	50.0	35.7 #	71.4	50.0	38.4	76.8	7.29	75-125	<15
Silver	0.00	50.0	43.0	86.0	50.0	43.2	86.4	<1	75-125	<15
Thallium	0.00	50.0	27.0 #	54.0	50.0	27.3 #	54.6	1.10	75-125	<15
Vanadium	33.3	50.0	79.5	92.4	50.0	79.9	93.2	<1	75-125	<15
Zinc	63.2	50.0	110	93.6	50.0	110	93.6	<1	75-125	<15

QC Batch No: 0418192C4; Dup or Spiked Sample: 97240.34; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	54.0	108	50.0	53.4	107	<1	75-125	<15	
Arsenic	50.0	52.4	105	50.0	51.7	103	1.92	75-125	<15	
Barium	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15	
Beryllium	50.0	52.3	105	50.0	52.4	105	<1	75-125	<15	
Cadmium	50.0	53.2	106	50.0	53.9	108	1.87	75-125	<15	
Chromium	50.0	53.4	107	50.0	53.2	106	<1	75-125	<15	
Cobalt	50.0	50.7	101	50.0	50.9	102	<1	75-125	<15	
Copper	50.0	50.9	102	50.0	51.5	103	<1	75-125	<15	
Lead	50.0	50.8	102	50.0	50.1	100	1.98	75-125	<15	
Mercury (By EPA 7471)	0.500	0.500	100	0.500	0.480	95.9	4.2	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0418192C4; Dup or Spiked Sample: 97240.34; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/19/2019;  
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	51.3	103	50.0	51.0	102	<1	75-125	<15	
Nickel	50.0	51.3	103	50.0	51.8	104	<1	75-125	<15	
Selenium	50.0	53.1	106	50.0	53.1	106	<1	75-125	<15	
Silver	50.0	51.8	104	50.0	52.3	105	<1	75-125	<15	
Thallium	50.0	50.3	101	50.0	50.0	100	<1	75-125	<15	
Vanadium	50.0	52.9	106	50.0	53.5	107	<1	75-125	<15	
Zinc	50.0	54.9	110	50.0	55.0	110	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C1; Dup or Spiked Sample: 97240.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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
Arsenic	2.58	1.00	3.67	109	1.00	3.71	113	3.60	75-125	<15
Thallium	0.00	1.00	1.18	118	1.00	1.15	115	2.58	75-125	<15

QC Batch No: 0418191C1; Dup or Spiked Sample: 97240.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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	
Arsenic	1.00	0.980	98.3	1.00	1.01	101	2.71	75-125	<15	
Thallium	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C2; Dup or Spiked Sample: 97240.12; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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
Arsenic	4.11	1.00	4.50 #	39.0	1.00	4.57 #	46.0	16.5	75-125	<15
Thallium	0.00	1.00	1.04	104	1.00	1.03	103	<1	75-125	<15

QC Batch No: 0418191C2; Dup or Spiked Sample: 97240.12; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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	
Arsenic	1.00	0.890	88.5	1.00	0.930	93.2	5.17	75-125	<15	
Thallium	1.00	0.990	98.8	1.00	0.980	97.7	1.12	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C3; Dup or Spiked Sample: 97240.23; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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
Arsenic	1.78	1.00	3.12 #	134	1.00	3.15 #	137	2.21	75-125	<15
Thallium	0.00	1.00	1.13	113	1.00	1.14	114	<1	75-125	<15

QC Batch No: 0418191C3; Dup or Spiked Sample: 97240.23; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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	
Arsenic	1.00	1.00	100	1.00	1.02	102	1.98	75-125	<15	
Thallium	1.00	1.00	100	1.00	1.00	100	<1	75-125	<15	





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0418191C4; Dup or Spiked Sample: 97240.34; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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
Arsenic	3.22	1.00	4.54 #	132	1.00	4.58 #	136	2.99	75-125	<15
Thallium	0.00	1.00	1.06	106	1.00	1.05	105	<1	75-125	<15

QC Batch No: 0418191C4; Dup or Spiked Sample: 97240.34; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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	
Arsenic	1.00	0.970	96.6	1.00	0.960	95.7	<1	75-125	<15	
Thallium	1.00	0.990	98.9	1.00	1.00	100	1.11	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041719EB2; Dup or Spiked Sample: 97240.05; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;  
Units: ug/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
Aldrin	0.00	20.0	20.6	103	20.0	21.2	106	2.9	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	57.0	114	50.0	56.0	112	1.8	40-150	<40
Dieldrin	0.00	50.0	54.0	108	50.0	54.5	109	<1	40-150	<40
Endrin	0.00	50.0	54.5	109	50.0	54.0	108	<1	40-150	<40
Heptachlor	0.00	20.0	20.6	103	20.0	21.0	105	1.9	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.4	97.0	20.0	20.2	101	4.0	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	26.8	107	25.0	25.5	102	4.8	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	25.8	103	25.0	26.3	105	1.9	30-150	<40

QC Batch No: 041719EB2; Dup or Spiked Sample: 97240.05; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;  
Units: ug/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	
Aldrin	20.0	18.6	93.0	20.0	18.7	93.5	<1	50-150	<40	
4,4'-DDT (DDT)	50.0	52.0	104	50.0	51.5	103	<1	50-150	<40	
Dieldrin	50.0	49.0	98.0	50.0	49.6	99.2	1.2	50-150	<40	
Endrin	50.0	47.4	94.8	50.0	47.3	94.6	<1	50-150	<40	
Heptachlor	20.0	18.4	92.0	20.0	18.6	93.0	1.1	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	17.6	88.0	20.0	17.9	89.5	1.7	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	26.0	104	25.0	23.3	93.2	11.0	30-150	<40	
Tetrachloro-m-xylene	25.0	24.3	97.2	25.0	24.2	96.8	<1	30-150	<40	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB1; Dup or Spiked Sample: 97240.39; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;  
Units: ug/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
Aldrin	0.00	20.0	22.0	110	20.0	19.5	97.5	12.0	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	50.0	100	50.0	48.4	96.8	3.25	40-150	<40
Dieldrin	0.00	50.0	48.3	96.6	50.0	49.0	98.0	1.44	40-150	<40
Endrin	0.00	50.0	50.4	101	50.0	48.8	97.6	3.42	40-150	<40
Heptachlor	0.00	20.0	19.1	95.5	20.0	19.0	95.0	<1	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	18.0	90.0	20.0	18.2	91.0	1.10	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	22.4	89.6	25.0	21.8	87.2	2.68	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	24.7	98.8	25.0	24.3	97.2	1.62	30-150	<40

QC Batch No: 041819EB1; Dup or Spiked Sample: 97240.39; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;  
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	18.9	94.5	50-150						
4,4'-DDT (DDT)	50.0	40.5	81.0	50-150						
Dieldrin	50.0	45.8	91.6	50-150						
Endrin	50.0	41.3	82.6	50-150						
Heptachlor	20.0	16.8	84.0	50-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.6	83.0	50-150						
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	20.9	83.6	30-150						
Tetrachloro-m-xylene	25.0	22.5	90.0	30-150						



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2; Dup or Spiked Sample: 97247.11; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;  
Units: ug/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
Aldrin	0.00	20.0	21.8	109	20.0	19.6	98.0	10.6	40-150	<40
4,4'-DDT (DDT)	41.5	50.0	132	181	50.0	110	137	27.7	40-150	<40
Dieldrin	0.253	50.0	61.3	122	50.0	53.8	107	13.1	40-150	<40
Endrin	5.57	50.0	71.1	131	50.0	61.6	112	15.6	40-150	<40
Heptachlor	0.00	20.0	22.0	110	20.0	20.0	100	9.5	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.0	105	20.0	19.1	95.5	9.5	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	29.0	116	25.0	24.8	99.2	15.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	27.8	111	25.0	25.5	102	8.5	30-150	<40

QC Batch No: 041819EB2; Dup or Spiked Sample: 97247.11; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;  
Units: ug/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	
Aldrin	20.0	13.8	69.0	20.0	15.2	76.0	9.7	50-150	<40	
4,4'-DDT (DDT)	50.0	47.6	95.2	50.0	45.2	90.4	5.2	50-150	<40	
Dieldrin	50.0	46.2	92.4	50.0	47.8	95.6	3.4	50-150	<40	
Endrin	50.0	45.7	91.4	50.0	46.2	92.4	1.1	50-150	<40	
Heptachlor	20.0	14.0	70.0	20.0	15.1	75.5	7.6	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	13.7	68.5	20.0	15.0	75.0	9.1	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	25.8	103	25.0	23.2	92.8	10.4	30-150	<40	
Tetrachloro-m-xylene	25.0	16.4	65.6	25.0	17.1	68.4	4.2	30-150	<40	



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#### Ordered By

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#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041819ZB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
Units: ug/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
Aroclor-1016 (PCB-1016)	0.00	500	401	80.2	500	410	82.0	2.2	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	550	110	500	495	99.0	10.5	50-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	30.8	123	25.0	34.0	136	10.0	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	24.9	99.6	25.0	26.8	107	7.2	30-150	<40

QC Batch No: 041819ZB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
Units: ug/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	
Aroclor-1016 (PCB-1016)	500	390	78.0	500	360	72.0	8.0	50-150	<40	
Aroclor-1260 (PCB-1260)	500	472	94.4	500	515	103	8.7	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	32.3	129	25.0	35.0	140	8.2	30-150	<40	
Tetrachloro-m-xylene	25.0	27.0	108	25.0	26.0	104	3.8	30-150	<40	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1; Dup or Spiked Sample: 97240.02; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
Units: ug/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
Benzene	0.00	50.0	40.2	80.4	50.0	40.2	80.4	<1	75-125	<20
Carbon tetrachloride	0.00	50.0	59.0	118	50.0	60.0	120	1.7	75-125	<20
Chlorobenzene	0.00	50.0	46.3	92.6	50.0	46.5	93.0	<1	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	45.7	91.4	50.0	45.0	90.0	1.5	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	43.8	87.6	50.0	44.2	88.4	<1	75-125	<20
1,1-Dichloroethane	0.00	50.0	50.5	101	50.0	50.0	100	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	43.9	87.8	50.0	44.9	89.8	2.3	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	37.5	75.0	50.0	38.8	77.6	3.4	75-125	<20
Ethylbenzene	0.00	50.0	46.4	92.8	50.0	47.1	94.2	1.5	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	46.8	93.6	50.0	48.6	97.2	3.8	75-125	<20
n-Propylbenzene	0.00	50.0	39.6	79.2	50.0	39.8	79.6	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	41.1	82.1	50.0	41.1	82.1	<1	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	54.5	109	50.0	55.5	111	1.8	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	38.3	76.6	50.0	39.7	79.4	3.6	75-125	<20
Trichloroethene	0.00	50.0	47.8	95.6	50.0	47.9	95.8	<1	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	43.8	87.6	50.0	44.3	88.6	1.1	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	44.7	89.4	50.0	45.2	90.4	1.1	75-125	<20
o-Xylene	0.00	50.0	45.3	90.6	50.0	45.5	91.0	<1	75-125	<20
m,p-Xylenes	0.00	100	86.9	86.9	100	88.7	88.7	2.1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	43.5	87.0	50.0	43.9	87.8	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	48.5	96.9	50.0	46.7	93.3	3.8	75-125	<20
Toluene-d8	0.00	50.0	47.5	94.9	50.0	46.9	93.8	1.2	75-125	<20

QC Batch No: 0418192A1; Dup or Spiked Sample: 97240.02; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
Units: ug/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	
Benzene	50.0	45.2	90.4	50.0	44.5	89.0	1.6	75-125	<20	
Carbon tetrachloride	50.0	64.0	128	50.0	61.5	123	4.0	75-125	<20	
Chlorobenzene	50.0	51.5	103	50.0	50.5	101	2.0	75-125	<20	
Chloroform (Trichloromethane)	50.0	51.0	102	50.0	50.0	100	2.0	75-125	<20	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1; Dup or Spiked Sample: 97240.02; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
Units: ug/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	
1,2-Dichlorobenzene	50.0	49.1	98.2	50.0	49.5	99.0	<1	75-125	<20	
1,1-Dichloroethane	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20	
1,1-Dichloroethene	50.0	46.9	93.8	50.0	45.5	91.0	3.0	75-125	<20	
cis-1,2-Dichloroethene	50.0	42.7	85.4	50.0	41.5	83.0	2.9	75-125	<20	
Ethylbenzene	50.0	51.0	102	50.0	49.0	98.0	4.0	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	55.5	111	50.0	55.0	110	<1	75-125	<20	
n-Propylbenzene	50.0	42.5	85.0	50.0	42.0	84.0	1.2	75-125	<20	
Toluene (Methyl benzene)	50.0	48.4	96.8	50.0	46.5	93.0	4.0	75-125	<20	
1,1,1-Trichloroethane	50.0	59.5	119	50.0	57.0	114	4.3	75-125	<20	
1,1,2-Trichloroethane	50.0	48.6	97.2	50.0	48.0	96.0	1.2	75-125	<20	
Trichloroethene	50.0	53.5	107	50.0	52.5	105	1.9	75-125	<20	
1,2,4-Trimethylbenzene	50.0	47.6	95.2	50.0	48.5	97.0	1.9	75-125	<20	
1,3,5-Trimethylbenzene	50.0	47.4	94.8	50.0	47.5	95.0	<1	75-125	<20	
o-Xylene	50.0	51.0	102	50.0	50.5	101	<1	75-125	<20	
m,p-Xylenes	100	98.1	98.1	100	95.9	95.9	2.3	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	43.6	87.2	50.0	43.7	87.4	<1	75-125	<20	
Dibromofluoromethane	50.0	49.8	99.5	50.0	50.0	100	<1	75-125	<20	
Toluene-d8	50.0	47.3	94.6	50.0	46.9	93.7	<1	75-125	<20	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 041819PB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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
TPH as Diesel (C13-C22)	0.00	500	459	91.8	500	500	100	8.6	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	110	110	100	110	110	<1	75-125	<20

QC Batch No: 041819PB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;  
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	
TPH as Diesel (C13-C22)	500	457	91.4	500	465	93.0	1.7	75-125	<20	
Surrogates										
Chlorobenzene	100	111	111	100	113	113	1.8	75-125	<20	





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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041719OB1; Dup or Spiked Sample: 97240.02A; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/17/2019;  
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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.943	94.3	1.00	0.940	94.0	<1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0585	117	0.0500	0.0565	113	3.5	75-125	<20

QC Batch No: 041719OB1; Dup or Spiked Sample: 97240.02A; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/17/2019;  
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	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.976	97.6	1.00	0.975	97.5	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	0.0500	0.0575	115	0.0500	0.0555	111	3.5	75-125	<20	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0417192C8; Dup or Spiked Sample: 97190.12; LCS: Clean Water; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;  
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	0.963	96.3	1.00	0.945	94.5	1.9	75-125	<15
Arsenic	0.00	1.00	0.924	92.4	1.00	0.903	90.3	2.3	75-125	<15
Barium	0.00	1.00	0.912	91.2	1.00	0.918	91.8	<1	75-125	<15
Beryllium	0.00	1.00	0.952	95.2	1.00	0.951	95.1	<1	75-125	<15
Cadmium	0.00	1.00	0.965	96.5	1.00	0.974	97.4	<1	75-125	<15
Chromium	0.00	1.00	0.946	94.6	1.00	0.945	94.5	<1	75-125	<15
Cobalt	0.00	1.00	0.893	89.3	1.00	0.900	90.0	<1	75-125	<15
Copper	0.00	1.00	0.897	89.7	1.00	0.905	90.5	<1	75-125	<15
Lead	0.00	1.00	0.908	90.8	1.00	0.906	90.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00914	91.4	0.0100	0.00814	81.4	11.6	75-125	<15
Molybdenum	0.00	1.00	0.904	90.4	1.00	0.904	90.4	<1	75-125	<15
Nickel	0.00	1.00	0.924	92.4	1.00	0.932	93.2	<1	75-125	<15
Selenium	0.00	1.00	0.986	98.6	1.00	0.968	96.8	1.8	75-125	<15
Silver	0.00	1.00	0.914	91.4	1.00	0.922	92.2	<1	75-125	<15
Thallium	0.00	1.00	0.884	88.4	1.00	0.895	89.5	1.2	75-125	<15
Vanadium	0.00	1.00	0.929	92.9	1.00	0.937	93.7	<1	75-125	<15
Zinc	0.00	1.00	1.00	100	1.00	1.07	107	6.8	75-125	<15

QC Batch No: 0417192C8; Dup or Spiked Sample: 97190.12; LCS: Clean Water; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;  
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	1.05	105	1.00	1.05	105	<1	75-125	<15	
Arsenic	1.00	1.03	103	1.00	1.02	102	<1	75-125	<15	
Barium	1.00	1.03	103	1.00	1.03	103	<1	75-125	<15	
Beryllium	1.00	1.03	103	1.00	1.04	104	<1	75-125	<15	
Cadmium	1.00	1.05	105	1.00	1.06	106	<1	75-125	<15	
Chromium	1.00	1.05	105	1.00	1.05	105	<1	75-125	<15	
Cobalt	1.00	0.981	98.1	1.00	0.985	98.5	<1	75-125	<15	
Copper	1.00	0.990	99.0	1.00	0.994	99.4	<1	75-125	<15	
Lead	1.00	0.996	99.6	1.00	0.995	99.5	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0417192C8; Dup or Spiked Sample: 97190.12; LCS: Clean Water; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;  
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	
Mercury (By EPA 7470)	0.0100	0.0101	101	0.0100	0.0101	101	<1	75-125	<15	
Molybdenum	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Nickel	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Selenium	1.00	1.04	104	1.00	1.05	105	<1	75-125	<15	
Silver	1.00	1.02	102	1.00	1.03	103	<1	75-125	<15	
Thallium	1.00	0.968	96.8	1.00	0.966	96.6	<1	75-125	<15	
Vanadium	1.00	1.03	103	1.00	1.03	103	<1	75-125	<15	
Zinc	1.00	1.10	110	1.00	1.10	110	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0417191A2; Dup or Spiked Sample: B0417191A2; LCS: Clean Water; QC Prepared: 04/17/2019; QC Analyzed: 04/17/2019;  
Units: ug/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
Benzene	0.00	50.0	52.0	104	50.0	52.0	104	<1	75-125	<20
Carbon tetrachloride	0.00	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20
Chlorobenzene	0.00	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	51.5	103	50.0	51.0	102	<1	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20
1,1-Dichloroethane	0.00	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	49.8	99.6	50.0	49.4	98.8	<1	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	54.0	108	50.0	53.5	107	<1	75-125	<20
Ethylbenzene	0.00	50.0	54.5	109	50.0	54.0	108	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	51.5	103	50.0	50.0	100	3.0	75-125	<20
n-Propylbenzene	0.00	50.0	49.2	98.4	50.0	48.7	97.4	1.0	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	53.5	107	50.0	53.5	107	<1	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	52.0	104	50.0	52.0	104	<1	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	55.0	110	50.0	54.5	109	<1	75-125	<20
Trichloroethene	0.00	50.0	54.5	109	50.0	55.0	110	<1	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	47.7	95.4	50.0	47.4	94.8	<1	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	49.0	98.0	50.0	48.6	97.2	<1	75-125	<20
o-Xylene	0.00	50.0	53.0	106	50.0	52.5	105	<1	75-125	<20
m,p-Xylenes	0.00	100	108	108	100	107	107	<1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	46.7	93.3	50.0	46.7	93.4	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	47.3	94.6	50.0	47.0	93.9	<1	75-125	<20
Toluene-d8	0.00	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20



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### QUALITY CONTROL RESULTS

Page: 93

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0417191A2; Dup or Spiked Sample: B0417191A2; LCS: Clean Water; QC Prepared: 04/17/2019; QC Analyzed: 04/17/2019;  
Units: ug/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	
Benzene	50.0	52.5	105	50.0	52.0	104	<1	75-125	<20	
Carbon tetrachloride	50.0	52.5	105	50.0	52.0	104	<1	75-125	<20	
Chlorobenzene	50.0	56.0	112	50.0	56.5	113	<1	75-125	<20	
Chloroform (Trichloromethane)	50.0	51.0	102	50.0	50.0	100	2.0	75-125	<20	
1,2-Dichlorobenzene	50.0	53.5	107	50.0	54.0	108	<1	75-125	<20	
1,1-Dichloroethane	50.0	51.5	103	50.0	51.0	102	<1	75-125	<20	
1,1-Dichloroethene	50.0	49.8	99.6	50.0	49.5	99.0	<1	75-125	<20	
cis-1,2-Dichloroethene	50.0	53.5	107	50.0	53.0	106	<1	75-125	<20	
Ethylbenzene	50.0	55.5	111	50.0	55.5	111	<1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	49.9	99.8	50.0	50.0	100	<1	75-125	<20	
n-Propylbenzene	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	54.5	109	50.0	54.5	109	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	52.5	105	50.0	52.0	104	<1	75-125	<20	
1,1,2-Trichloroethane	50.0	53.0	106	50.0	55.0	110	3.7	75-125	<20	
Trichloroethene	50.0	55.5	111	50.0	55.5	111	<1	75-125	<20	
1,2,4-Trimethylbenzene	50.0	49.6	99.2	50.0	50.0	100	<1	75-125	<20	
1,3,5-Trimethylbenzene	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20	
o-Xylene	50.0	54.0	108	50.0	54.0	108	<1	75-125	<20	
m,p-Xylenes	100	110	110	100	111	111	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	46.9	93.8	50.0	46.0	91.9	2.0	75-125	<20	
Dibromofluoromethane	50.0	47.0	94.0	50.0	45.7	91.3	2.9	75-125	<20	
Toluene-d8	50.0	51.0	102	50.0	50.0	100	2.0	75-125	<20	



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 94

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041619NB2; Dup or Spiked Sample: B041619NB2; LCS: Clean Water; QC Prepared: 04/16/2019; QC Analyzed: 04/17/2019;  
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
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.476	95.2	0.500	0.485	97.0	1.9	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0520	104	0.0500	0.0485	97.0	7.0	75-125	<20

QC Batch No: 041619NB2; Dup or Spiked Sample: B041619NB2; LCS: Clean Water; QC Prepared: 04/16/2019; QC Analyzed: 04/17/2019;  
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	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.483	96.6	0.500	0.487	97.4	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	0.0500	0.0545	109	0.0500	0.0565	113	3.6	75-125	<20	



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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

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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 7  
Date Received 04/16/2019  
Date Reported 06/12/2019

Telephone: (626)351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School  
Site: Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 5 soil 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



**TETRA TECH, INC.**  
301 E. Vanderbilt Way, Suite 450  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391

SHIP TO: \_\_\_\_\_

# CHAIN OF CUSTODY RECORD

97240

DATE 04/16/19 PAGE 1 OF 5

CLIENT: <u>Tetra Tech</u>				PARAMETERS														TURN-AROUND TIME						
PROJECT NAME:																		Standard						
PROJECT MANAGER: <u>Robert Subater</u>																		OBSERVATIONS/COMMENTS						
TC #:																								
SAMPLERS (Signatures): <u>Nate Taylor</u>																		STLC FOR LEAD ADDED 5/14/19						
LINE ITEM	SAMPLE NO.	DATE	TIME	Arsenic/Thallium	Cadmium	Copper	Lead	Mercury	Nickel	Pb	PCBs	Se	Silver	Sulfate	Titanium	Vanadium	W	Zinc	Filtered/Unfiltered	Matrix Type	Container Type	Number of Containers	Preservative	
1.	SB-40-0.5 3.0	04/16/19	0805	X																S	G	5	X	97240-01
2.	SB-40-1.0 5.0	04/16/19	0815	X																S	G	5	X	97240-02
3.	SB-40-2.0 9.0	04/16/19	0825	Hold																S	G	5	X	97240-03
4.	SB-24-0.5	04/16/19	0850	X	X	X	X													S	G	1		97240-04
5.	SB-24-1.0	04/16/19	0855	X	X	X	Hold													S	G	1		97240-05
6.	SB-24-2.0	04/16/19	0900	X	X	X	Hold													S	G	1		97240-06
7.	SB-22-0.5	04/16/19	0905	X	X	X														S	G	1		97240-07
8.	SB-22-1.0	04/16/19	0910	X	X	X														S	G	1		97240-08
9.	SB-22-2.0	04/16/19	0915	X	X	X														S	G	1		97240-09
10.	SB-20-0.5	04/16/19	1007	X	X	X														S	G	1		97240-10

<b>FILTERING:</b> <input type="checkbox"/> FILTERED <input checked="" type="checkbox"/> UNFILTERED	<b>MATRIX TYPE:</b> S - Soil M - Sediment W - Water	<b>CONTAINER TYPE:</b> G - Glass Bottle/Jar SS - Stainless Steel Sleeve SB - Brass Sleeve P - Plastic Bottle/Jar	<b>PRESERVATIVES: (Water Only)</b> HCL NR (None required) NaOH H <sub>2</sub> SO <sub>4</sub>
---	--	--	---

RELINQUISHED BY <u>Nate Taylor</u>	SIGNATURE <u>Nate Taylor</u>	TETRA TECH, INC.	DATE <u>04/16/19</u>	TIME <u>1535</u>	TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY:
RECEIVED BY <u>AMERICAN</u>	SIGNATURE <u>AMERICAN</u>		DATE <u>4/16/19</u>	TIME <u>1535</u>	METHOD OF SHIPMENT/SHIPMENT NO.
RELINQUISHED BY <u>C. P. ...</u>	SIGNATURE <u>C. P. ...</u>	COMPANY <u>ACTL</u>	DATE <u>4/16/19</u>	TIME <u>1800</u>	Special Shipping/Handling/Storage Requirements:
RECEIVED BY <u>ACTL</u>	SIGNATURE <u>ACTL</u>	COMPANY <u>ACTL</u>	DATE <u>04/16/19</u>	TIME <u>1800</u>	



**TETRA TECH, INC.**  
301 E. Vanderbilt Way, Suite 450  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391

SHIP TO: \_\_\_\_\_

# CHAIN OF CUSTODY RECORD

97240

DATE 04/16/19 PAGE 2 OF 5

CLIENT: <u>Tetra Tech</u>				PARAMETERS														TURN-AROUND TIME						
PROJECT NAME:																		Standard						
PROJECT MANAGER:																		OBSERVATIONS/COMMENTS						
TC #: <u>102-HM6-T37254.07</u>																		STLC FOR VENT ADDED ON 5/14/19						
SAMPLERS (Signatures) <u>Nate Taylor</u>																								
LINE ITEM	SAMPLE NO.	DATE	TIME	Aspen (Thallium 6020)	6010B	7172A	Organochlorine 8081A	pesticides	PBS 8082A	Vols 8260B	TPH gas 8016	TPH Carbon Chain	STLC (VENT)						FILTERED/UNFILTERED	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	PRESERVATIVE	
1.	SB-20-1.0	04-16-14	1009	X	X	X														S	G	3		97240-11
2.	SB-20-2.0	04-16-14	1612	X	X	X														S	G	3		97240-12
3.	SB-23-0.5	04-16-14	0930	X	X	X														S	G	3		97240-13
4.	SB-23-1.0	04-16-14	0935	X	X	X														S	G	3		97240-14
5.	SB-23-2.0	04-16-14	0940	X	X	X														S	G	3		97240-15
6.	SB-38-0.5	04-16-14	0953	X	X	X														S	G	3		97240-16
7.	SB-38-1.0	04-16-14	1000	X	X	X														S	G	3		97240-17
8.	SB-38-2.0	04-16-14	1005	X	X	X														S	G	3		97240-18
9.	SB-39-0.5	04-16-14	1050	X	X	X														S	G	3		97240-19
10.	SB-39-1.0	04-16-14	1055	X	X	X														S	G	3		97240-20

<b>FILTERING:</b> <input type="checkbox"/> FILTERED <input checked="" type="checkbox"/> UNFILTERED		<b>MATRIX TYPE:</b> S - Soil M - Sediment W - Water		<b>CONTAINER TYPE:</b> G - Glass Bottle/Jar SS - Stainless Steel Sleeve SB - Brass Sleeve P - Plastic Bottle/Jar		<b>PRESERVATIVES: (Water Only)</b> HCL NR (None required) NaOH H <sub>2</sub> SO <sub>4</sub>	
---	--	--	--	--	--	---	--

RELINQUISHED BY <u>Nate Taylor</u>	SIGNATURE <u>[Signature]</u>	<b>TETRA TECH, INC.</b>	DATE <u>04/16/19</u>	TIME <u>1535</u>	TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY:
RECEIVED BY <u>AMILLION [Signature]</u>	SIGNATURE <u>[Signature]</u>	COMPANY <u>ACTL</u>	DATE <u>4/16/19</u>	TIME <u>1535</u>	METHOD OF SHIPMENT/SHIPMENT NO.
RELINQUISHED BY <u>AMILLION P.</u>	SIGNATURE <u>[Signature]</u>	COMPANY <u>ACTL</u>	DATE <u>4/16/19</u>	TIME <u>1800</u>	Special Shipping/Handling/Storage Requirements:
RECEIVED BY <u>[Signature]</u>	SIGNATURE <u>[Signature]</u>	COMPANY <u>ACTL</u>	DATE <u>04/16/19</u>	TIME <u>1800</u>	

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WO NO / LAB USE ONLY

97240

Date 04/16/19

Page 3 of 5

<b>LABORATORY CLIENT:</b> Tetra Tech						<b>CLIENT PROJECT NAME / NO.:</b>										<b>P.O. NO.:</b> 102-445-T37254.07											
<b>ADDRESS:</b>						<b>PROJECT CONTACT:</b>										<b>LAB CONTACT OR QUOTE NO.</b>											
<b>CITY:</b>		<b>STATE:</b>		<b>ZIP:</b>																							
<b>TEL:</b>			<b>E-MAIL:</b>			<b>GLOBAL ID:</b>					<b>LOG CODE:</b>			<b>SAMPLER(S) (PRINT)</b> <i>Nate T</i>													
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD EDD <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER						<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																					
SPECIAL INSTRUCTIONS:						Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH _____	BTX / MTBE <input type="checkbox"/> BTEX	VOCs (8260) <i>B</i>	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	<i>Organochlorine Pesticides (8081A)</i>	PCBs (8082A)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010747A <input type="checkbox"/> 6020747X	Cr(VI) <input type="checkbox"/> 7198 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<i>Arsenic/Hallium 6020</i>				
																											DATE
	SB-39-2.0	04/16/19	1059	S	X 1	X												X	Hold X		X		X				97240.21
	SB-10-0.5	04/16/19	1030	S	X 1	X												X			X		X				97240.22
	SB-10-1.0	04/16/19	1035	S	X 1	X												X			X		X				97240.23
	SB-10-2.0	04/16/19	1040	S	X 1	X												X			X		X				97240.24
	SB-09-0.5	04/16/19	1100	S	X 1	X												X			X		X				97240.25
	SB-09-1.0	04/16/19	1102	S	X 1	X												X			X		X				97240.26
	SB-09-2.0	04/16/19	1104	S	X 1	X												X			X		X				97240.27
	SB-08-0.5	04/16/19	1120	S	X 1	X												X			X		X				97240.28
	SB-08-1.0	04/16/19	1125	S	X 1	X												X			X		X				97240.29
	SB-08-2.0	04/16/19	1130	S	X 1	X												X			X		X				97240.30
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature/Affiliation) <i>[Signature]</i>														Date: 04/16/19		Time: 1535					
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature/Affiliation) <i>[Signature]</i>														Date: 4/16/19		Time: 1800					
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature/Affiliation) <i>[Signature]</i>														Date: 04/16/19		Time: 1800					



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Date 04/16/19

Page 4 of 5

LABORATORY CLIENT: Tetra Tech						CLIENT PROJECT NAME / NO.:								P.O. NO.: 102-4 MG-T37254.07												
ADDRESS:						PROJECT CONTACT:								LAB CONTACT OR QUOTE NO.												
CITY:		STATE:		ZIP:		GLOBAL ID:								LOG CODE:		SAMPLER(S) (PRINT) Nate T										
TEL:		E-MAIL:				REQUESTED ANALYSES Please check box or fill in blank as needed.																				
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"). <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD EDD <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER																										
SPECIAL INSTRUCTIONS:  ADD STLC / TCLP FOR LEAD ON 5/14/19																										
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C8-C16 <input type="checkbox"/> C8-C14	TPH _____	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7195 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	Arsenic / Thallium 6020	Title 22 (Lead) 6010/747X	Organochlorine Pesticides 8081A	STLC (LEAD)
		DATE	TIME																							
	SB-OS-0.5	04/16/19	1140	S	1	X																	X	X	X	*
	SB-OS-1.0	04/16/19	1141	S	1	X																	X	X	X	
	SB-OS-2.0	04/16/19	1142	S	1	X																	X	X	X	
	SB-O2-0.5	04/16/19	1320	S	1	X																	X	X	X	
	SB-O2-1.0	04/16/19	1321	S	1	X																	X	X	X	
	SB-O2-2.0	04/16/19	1329	S	1	X																	X	X	X	
	SB-O3-0.5	04/16/19	1335	S	1	X																	X	X	X	
	SB-O3-1.0	04/16/19	1336	S	1	X																	X	X	X	
	SB-O3-2.0	04/16/19	1337	S	1	X																	X	X	X	
	SB-O6-0.5	04/16/19	1350	S	1	X																	X	X	X	
Relinquished by: (Signature) [Signature]						Received by: (Signature/Affiliation) [Signature]										Date: 04/16/19		Time: 1535								
Relinquished by: (Signature) [Signature]						Received by: (Signature/Affiliation) [Signature]										Date: 4/16/19		Time: 1800								
Relinquished by: (Signature) [Signature]						Received by: (Signature/Affiliation) [Signature]										Date: 04/16/19		Time: 1800								



## CHAIN-OF-CUSTODY RECORD

Date 04/16/19  
Page 5 of 5

[illegible]

**JIM LIN**

---

**From:** Sabater, Robert <Robert.Sabater@tetrattech.com>  
**Sent:** Tuesday, May 14, 2019 12:47 PM  
**To:** Jim Lin  
**Cc:** Nelson, Eric J  
**Subject:** Request for STLC and TCLP analyses  
**Attachments:** AETL\_Belvedere MS COC\_STLC\_TCLP.pdf

Jim,

Attached is are the COCs for the requested analyses as detailed below:

Sample ID	Lead	STLC (Lead)	TCLP (Lead)
SB-05-0.5	178	X	X
SB-18-0.5	94.7	X	
SB-19-0.5	50.8	X	
SB-20-1.0	64	X	
SB-20-2.0	94.8	X	
SB-22-0.5	66.5	X	
SB-23-1.0	82.8	X	
SB-31-0.5	66.8	X	
SB-31-1.0	81	X	
SB-33-0.5	79.8	X	
SB-34-0.5	80	X	
SB-34-1.0	109	X	X

Please let me know if you have any questions.

Regards,

**Robert M Sabater** | Project Manager

Direct +1 (626) 470-2457 | Business +1 (626) 351-4664 | Mobile +1 (626) 429-0902 | [robert.sabater@tetrattech.com](mailto:robert.sabater@tetrattech.com)

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Page: 1 A

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/16/2019

Date Reported 04/30/2019

Telephone: (626) 351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 47 samples with the following specification on 04/16/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97240.46	LATB-20190416-NT	04/16/2019	Aqueous	3		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	8260B		04/23/2019	2	Normal	ug/L
	M8015G		04/23/2019	2	Normal	mg/L
97240.47	EB-20190416-NT	04/16/2019	Aqueous	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	6010/7000CAM		04/23/2019	2	Normal	mg/L
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97240.01	SB-40-3.0	04/16/2019	Soil	1		
97240.02	SB-40-5.0	04/16/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		04/23/2019	2	Normal	mg/Kg
	(8260B)		04/23/2019	2	Normal	ug/Kg
	(M8015D) ^ C13-C40		04/23/2019	2	Normal	mg/Kg
	(M8015G)		04/23/2019	2	Normal	mg/Kg
97240.03	SB-40-9.0	04/16/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		04/23/2019	2	Normal	--
97240.04	SB-24-0.5	04/16/2019	Soil	1		
97240.19	SB-39-0.5	04/16/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		04/23/2019	2	Normal	mg/Kg
	(6020) ^ AS-TL-1		04/23/2019	2	Normal	mg/Kg
	(8081A)		04/23/2019	2	Normal	ug/Kg
	(8082)		04/23/2019	2	Normal	ug/Kg
97240.05	SB-24-1.0	04/16/2019	Soil	1		

Continued





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Page: 1 B

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/16/2019

Date Reported 04/30/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97240.06	SB-24-2.0	04/16/2019	Soil	1
97240.08	SB-22-1.0	04/16/2019	Soil	1
97240.09	SB-22-2.0	04/16/2019	Soil	1
97240.10	SB-20-0.5	04/16/2019	Soil	1
97240.13	SB-23-0.5	04/16/2019	Soil	1
97240.15	SB-23-2.0	04/16/2019	Soil	1
97240.16	SB-38-0.5	04/16/2019	Soil	1
97240.17	SB-38-1.0	04/16/2019	Soil	1
97240.18	SB-38-2.0	04/16/2019	Soil	1
97240.20	SB-39-1.0	04/16/2019	Soil	1
97240.21	SB-39-2.0	04/16/2019	Soil	1
97240.22	SB-10-0.5	04/16/2019	Soil	1
97240.23	SB-10-1.0	04/16/2019	Soil	1
97240.24	SB-10-2.0	04/16/2019	Soil	1
97240.25	SB-09-0.5	04/16/2019	Soil	1
97240.26	SB-09-1.0	04/16/2019	Soil	1
97240.27	SB-09-2.0	04/16/2019	Soil	1
97240.28	SB-08-0.5	04/16/2019	Soil	1
97240.29	SB-08-1.0	04/16/2019	Soil	1
97240.30	SB-08-2.0	04/16/2019	Soil	1
97240.32	SB-05-1.0	04/16/2019	Soil	1
97240.33	SB-05-2.0	04/16/2019	Soil	1
97240.34	SB-02-0.5	04/16/2019	Soil	1
97240.35	SB-02-1.0	04/16/2019	Soil	1
97240.36	SB-02-2.0	04/16/2019	Soil	1
97240.37	SB-03-0.5	04/16/2019	Soil	1
97240.38	SB-03-1.0	04/16/2019	Soil	1
97240.39	SB-03-2.0	04/16/2019	Soil	1
97240.40	SB-06-0.5	04/16/2019	Soil	1

Continued



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Page: 1 C

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/16/2019

Date Reported 04/30/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97240	04/16/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97240.41	SB-06-1.0	04/16/2019	Soil	1																														
97240.42	SB-06-2.0	04/16/2019	Soil	1																														
97240.43	SB-07-0.5	04/16/2019	Soil	1																														
97240.44	SB-07-1.0	04/16/2019	Soil	1																														
97240.45	SB-07-2.0	04/16/2019	Soil	1																														
<table><tr><th>Method ^ Submethod</th><th>Req Date</th><th>Priority</th><th>TAT</th><th>Units</th></tr><tr><td>(6010B/7000CAM)</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/Kg</td></tr><tr><td>(6020) ^ AS-TL-1</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/Kg</td></tr><tr><td>(8081A)</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>ug/Kg</td></tr></table>					Method ^ Submethod	Req Date	Priority	TAT	Units	(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg	(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg	(8081A)	04/23/2019	2	Normal	ug/Kg										
Method ^ Submethod	Req Date	Priority	TAT	Units																														
(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg																														
(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg																														
(8081A)	04/23/2019	2	Normal	ug/Kg																														
97240.07	SB-22-0.5	04/16/2019	Soil	1																														
97240.11	SB-20-1.0	04/16/2019	Soil	1																														
97240.12	SB-20-2.0	04/16/2019	Soil	1																														
97240.14	SB-23-1.0	04/16/2019	Soil	1																														
<table><tr><th>Method ^ Submethod</th><th>Req Date</th><th>Priority</th><th>TAT</th><th>Units</th></tr><tr><td>(6010B-STLC) ^ SCE-PB</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/L</td></tr><tr><td>(6010B/7000CAM)</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/Kg</td></tr><tr><td>(6020) ^ AS-TL-1</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/Kg</td></tr><tr><td>(8081A)</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>ug/Kg</td></tr></table>					Method ^ Submethod	Req Date	Priority	TAT	Units	(6010B-STLC) ^ SCE-PB	04/23/2019	2	Normal	mg/L	(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg	(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg	(8081A)	04/23/2019	2	Normal	ug/Kg					
Method ^ Submethod	Req Date	Priority	TAT	Units																														
(6010B-STLC) ^ SCE-PB	04/23/2019	2	Normal	mg/L																														
(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg																														
(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg																														
(8081A)	04/23/2019	2	Normal	ug/Kg																														
97240.31	SB-05-0.5	04/16/2019	Soil	1																														
<table><tr><th>Method ^ Submethod</th><th>Req Date</th><th>Priority</th><th>TAT</th><th>Units</th></tr><tr><td>(6010/7000TCLP) ^ SCE-PB</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/L</td></tr><tr><td>(6010B-STLC) ^ SCE-PB</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/L</td></tr><tr><td>(6010B/7000CAM)</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/Kg</td></tr><tr><td>(6020) ^ AS-TL-1</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>mg/Kg</td></tr><tr><td>(8081A)</td><td>04/23/2019</td><td>2</td><td>Normal</td><td>ug/Kg</td></tr></table>					Method ^ Submethod	Req Date	Priority	TAT	Units	(6010/7000TCLP) ^ SCE-PB	04/23/2019	2	Normal	mg/L	(6010B-STLC) ^ SCE-PB	04/23/2019	2	Normal	mg/L	(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg	(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg	(8081A)	04/23/2019	2	Normal	ug/Kg
Method ^ Submethod	Req Date	Priority	TAT	Units																														
(6010/7000TCLP) ^ SCE-PB	04/23/2019	2	Normal	mg/L																														
(6010B-STLC) ^ SCE-PB	04/23/2019	2	Normal	mg/L																														
(6010B/7000CAM)	04/23/2019	2	Normal	mg/Kg																														
(6020) ^ AS-TL-1	04/23/2019	2	Normal	mg/Kg																														
(8081A)	04/23/2019	2	Normal	ug/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**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C5

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		05/17/2019				
Preparation Method		TITLE 22				
Date Analyzed		05/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.05	ND			



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### ANALYTICAL RESULTS

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**Site**

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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 3

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C5

Our Lab I.D.		97240.07	97240.11	97240.12	97240.14	97240.31
Client Sample I.D.		SB-22-0.5	SB-20-1.0	SB-20-2.0	SB-23-1.0	SB-05-0.5
Date Sampled		04/16/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
Date Prepared		05/17/2019	05/17/2019	05/17/2019	05/17/2019	05/17/2019
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22
Date Analyzed		05/21/2019	05/21/2019	05/21/2019	05/21/2019	05/21/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (STLC)	0.50	0.50	5.69	6.10	7.16	5.62
						0.930



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### ANALYTICAL RESULTS

**Ordered By**

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**Site**

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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 4

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure for Lead

QC Batch No: 0517192C8

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			05/17/2019				
Preparation Method			1311				
Date Analyzed			05/21/2019				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead (TCLP)	0.05	0.05	ND				



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### ANALYTICAL RESULTS

**Ordered By**

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**Site**

Belvedere Middle School  
312 N. Record Ave.  
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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 5

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure for Lead

QC Batch No: 0517192C8

<b>Our Lab I.D.</b>		<b>97240.31</b>				
Client Sample I.D.		SB-05-0.5				
Date Sampled		04/16/2019				
Date Prepared		05/17/2019				
Preparation Method		1311				
Date Analyzed		05/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (TCLP)	0.50	0.50	ND			

Comment(s):

97240.31: Analyzed under dilution due to matrix interference



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 6

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97240	04/16/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C5; Dup or Spiked Sample: 97240.07; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	5.69	5.80	1.9	<20						

QC Batch No: 0517192C5; Dup or Spiked Sample: 97240.07; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
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	
Lead (STLC)	10.0	8.47	84.7	10.0	8.40	84.0	<1	75-125	<20	







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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

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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 83  
Date Received 04/17/2019  
Date Reported 05/03/2019

Telephone: (626)351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School  
Site: Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 41 soil and 2 water 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



# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## CHAIN OF CUSTODY RECORD

112866

97269

Page 1 of 3

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Robert Sabater</b>		AETL JOB No. <b>97269</b>		Page <b>1</b> of <b>3</b>	
COMPANY ADDRESS <b>501 Evanderbilt Way # 450 San Bernardino, CA 92408</b>		PHONE		FAX		ANALYSIS REQUESTED	
PROJECT NAME		PROJECT # <b>162-HMG-T37254</b>		TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS		PO #					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.												
SB-01-0.5	97269.01	04/17/19	0735	S	1		X	X	X	X								
SB-01-1.0	97269.02	04/17/19	0736	S	1		X	X	X	Hold								Hold PCBs
SB-01-2.0	97269.03	04/17/19	0737	S	1		X	X	X	Hold								Hold PCBs
SB-04-0.5	97269.04	04/17/19	0810	S	1		X	X	X									
SB-04-1.0	97269.05	04/17/19	0811	S	1		X	X	X									
SB-04-2.0	97269.06	04/17/19	0812	S	1		X	X	X									
SB-35-0.5	97269.07	04/17/19	0905	S	1		X	X	X									
SB-35-1.0	97269.08	04/17/19	0906	S	1		X	X	X									
SB-35-2.0	97269.09	04/17/19	0907	S	1		X	X	X									
SB-36-0.5	97269.10	04/17/19	0925	S	1		X	X	X									
SB-36-1.0	97269.11	04/17/19	0926	S	1		X	X	X									
SB-36-2.0	97269.12	04/17/19	0927	S	1		X	X	X									
SB-37-0.5	97269.13	04/17/19	0955	S	1		X	X	X									
SB-37-1.0	97269.14	04/17/19	0956	S	1		X	X	X									
SB-37-2.0	97269.15	04/17/19	0957	S	1		X	X	X									

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	Signature:		Signature:		Signature:	
CUSTODY SEALS	Y / <input checked="" type="checkbox"/> N / NA	SAMPLES INTACT	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	Printed Name:	Nate Terry	Printed Name:		Printed Name:	
RECEIVED IN GOOD COND.	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	SAMPLES ACCEPTED	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Date:	04/17/19	Date:		Date:	4-17-19
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS				<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Signature:		Signature:	
				Printed Name:		Printed Name:		Printed Name:	
				Date:		Date:		Date:	
				Time:		Time:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

97269

112864

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Robert Schaefer</b>		AETL JOB No.		Page <u>2</u> of <u>3</u>	
COMPANY ADDRESS		PHONE		FAX		ANALYSIS REQUESTED	
PROJECT NAME		PROJECT # <b>02-11MB-T37254.01</b>		TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS		PO #					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Asen:cl Thallium 6020	T.H.C. 22/1717 74704	organochlorine pesticides 80814	PCBs 8082A	VOLs 8260B	TPH-gas 805m	TPH-Chain 805m
1 SB-25-0.5	97269.16	04/17/19	1020	S	1		X	X					
2 SB-25-1.0	97269.17	04/17/19	1021	S	1		X	X	X				
3 SB-25-2.0	97269.18	04/17/19	1022	S	1		X	X	X				
4 SB-28-0.5	97269.19	04/17/19	1035	S	1		X	X	X				
5 SB-28-1.0	97269.20	04/17/19	1036	S	1		X	X	X				
6 SB-28-2.0	97269.21	04/17/19	1037	S	1		X	X	X				
7 SB-26-0.5	97269.22	04/17/19	1105	S	1		X	X	X				
8 SB-26-1.0	97269.23	04/17/19	1106	S	1		X	X	X				
9 SB-26-2.0	97269.24	04/17/19	1107	S	1		X	X	X				
10 SB-31-0.5	97269.25	04/17/19	1115	S	1		X	X	X				
11 SB-31-1.0	97269.26	04/17/19	1116	S	1		X	X	X				
12 SB-31-2.0	97269.27	04/17/19	1117	S	1		X	X	X				
13 SB-42-3.0	97269.28	04/17/19	1130	S	5			X	X	X	X	X	
14 SB-42-5.0	97269.29	04/17/19	1131	S	5			X	X	X	X	X	
15 SB-42-9.0	97269.30	04/17/19	1132	S	5			X	X	X	X	X	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	27	PROPERLY COOLED	(Y) / N / NA	Signature:		Signature:		Signature:	
CUSTODY SEALS	Y (N) / NA	SAMPLES INTACT	(Y) / N / NA	Printed Name:	Nate Taylor	Printed Name:		Printed Name:	Serguei
RECEIVED IN GOOD COND.	(Y) / N	SAMPLES ACCEPTED	(Y) / N	Date:	04/17/19	Date:		Date:	4/17/19
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY LABORATORY: 3.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS				<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Signature:		Signature:	
				Printed Name:		Printed Name:		Printed Name:	
				Date:		Date:		Date:	





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## CHAIN OF CUSTODY RECORD

112867

97269

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Robert Sabater</b>		AETL JOB No. <b>97269</b>		Page <b>3</b> of <b>3</b>	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		FAX		PROJECT #			
SITE NAME AND ADDRESS		PO # <b>102-1710-T37254.02</b>					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Asen C/ Thallium 6020	Ti-He 22 LA117	Organochlorine pesticides 8081A	PCBs 8082A	VOCS 8260B	TPH-gas 805M	TPH-liquid 805M	TPH-carbon chain
SB-32-0.5	97269.31	04/17/14	1055	S	1		X	X	X					
SB-32-1.0	97269.32	04/17/14	1056	S	1		X	X	X					
SB-32-2.0	97269.33	04/17/14	1057	S	1		X	X	X					
SB-33-0.5	97269.34	04/17/14	1345	S	1		X	X	X					
SB-33-1.0	97269.35	04/17/14	1346	S	1		X	X	X					
SB-33-2.0	97269.36	04/17/14	1347	S	1		X	X	X					
SB-34-0.5	97269.37	04/17/14	1405	S	1		X	X	X					
SB-34-1.0	97269.38	04/17/14	1406	S	1		X	X	X					
SB-34-2.0	97269.39	04/17/14	1407	S	1		X	X	X					
SB-29-0.5	97269.40	04/17/14	1415	S	1		X	X	X					
SB-29-1.0	97269.41	04/17/14	1416	S	1		X	X	X					
SB-29-2.0	97269.42	04/17/14	1417	S	1		X	X	X					
EB-20190417-NT	97269.43	04/17/14	1500	W	1			X						
TB-20190417-NT	97269.44	04/17/14	0730	W	3					X	X			

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
TOTAL NUMBER OF CONTAINERS	<b>5816</b>	PROPERLY COOLED	<input checked="" type="radio"/> Y / N / NA	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
CUSTODY SEALS	<b>Y / N / NA</b>	SAMPLES INTACT	<input checked="" type="radio"/> Y / N / NA	Printed Name: <b>Nate Taylor</b>	Printed Name: <i>[Signature]</i>	Printed Name: <i>[Signature]</i>
RECEIVED IN GOOD COND.	<input checked="" type="radio"/> Y / N	SAMPLES ACCEPTED	<input checked="" type="radio"/> Y / N	Date: <b>04/17/14</b> Time: <b>1050</b>	Date: <i>[Signature]</i> Time: <i>[Signature]</i>	Date: <b>4/17/14</b> Time: <b>1246</b>
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF	Printed Name: <i>[Signature]</i>	Printed Name: <i>[Signature]</i>	Printed Name: <i>[Signature]</i>
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	Date: <b>4-17-15</b> Time: <b>1630</b>	Date: <i>[Signature]</i> Time: <i>[Signature]</i>	Date: <b>4/17/14</b> Time: <b>1740</b>
		<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)			

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



# 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>Tetra Tech</u>			
Project Name:			
AETL Job Number: <u>97269</u>			
Date Received: <u>4/17/19</u>		Received by: <u>Sergay</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input 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>1</u> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>33°C</u> , No 2: , No 3:			
Type of sample containers: <input checked="" 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 type="checkbox"/> None, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input checked="" type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <u>NaHSO<sub>4</sub> H<sub>2</sub>O</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>		
2. Are the Sample labels legible?	<input checked="" type="checkbox"/>		
3. Do samples match the COC?	<input checked="" type="checkbox"/>		
4. Are the required analyses clear?	<input checked="" type="checkbox"/>		
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>		
6. Are samples sealed with evidence tape?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>		
8. Are samples preserved?	<input checked="" type="checkbox"/>		
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>		
10. Are the VOAs free of headspace?	<input checked="" type="checkbox"/>		
11. Are the jars free of headspace?	<input checked="" type="checkbox"/>		

Explain all "No" answers for above questions:

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Page: 1 A

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

AETL received 44 samples with the following specification on 04/17/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97269.43	EB-20190417-NT	04/17/2019	Aqueous	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010/7000CAM	04/24/2019	2	Normal	mg/L	
97269.44	TB-20190417-NT	04/17/2019	Aqueous	3		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	8260B	04/24/2019	2	Normal	ug/L	
	M8015G	04/24/2019	2	Normal	mg/L	
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97269.01	SB-01-0.5	04/17/2019	Soil	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg	
	(6020) ^ AS-TL-1	04/24/2019	2	Normal	mg/Kg	
	(8081A)	04/24/2019	2	Normal	ug/Kg	
	(8082)	04/24/2019	2	Normal	ug/Kg	
97269.02	SB-01-1.0	04/17/2019	Soil	1		
97269.03	SB-01-2.0	04/17/2019	Soil	1		
97269.04	SB-04-0.5	04/17/2019	Soil	1		
97269.05	SB-04-1.0	04/17/2019	Soil	1		
97269.06	SB-04-2.0	04/17/2019	Soil	1		
97269.07	SB-35-0.5	04/17/2019	Soil	1		
97269.08	SB-35-1.0	04/17/2019	Soil	1		
97269.09	SB-35-2.0	04/17/2019	Soil	1		
97269.10	SB-36-0.5	04/17/2019	Soil	1		
97269.11	SB-36-1.0	04/17/2019	Soil	1		
97269.12	SB-36-2.0	04/17/2019	Soil	1		

Continued





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Page: 1 B

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97269.13	SB-37-0.5	04/17/2019	Soil	1
97269.14	SB-37-1.0	04/17/2019	Soil	1
97269.15	SB-37-2.0	04/17/2019	Soil	1
97269.16	SB-25-0.5	04/17/2019	Soil	1
97269.17	SB-25-1.0	04/17/2019	Soil	1
97269.18	SB-25-2.0	04/17/2019	Soil	1
97269.19	SB-28-0.5	04/17/2019	Soil	1
97269.20	SB-28-1.0	04/17/2019	Soil	1
97269.21	SB-28-2.0	04/17/2019	Soil	1
97269.22	SB-26-0.5	04/17/2019	Soil	1
97269.23	SB-26-1.0	04/17/2019	Soil	1
97269.24	SB-26-2.0	04/17/2019	Soil	1
97269.25	SB-31-0.5	04/17/2019	Soil	1
97269.26	SB-31-1.0	04/17/2019	Soil	1
97269.27	SB-31-2.0	04/17/2019	Soil	1
97269.31	SB-32-0.5	04/17/2019	Soil	1
97269.32	SB-32-1.0	04/17/2019	Soil	1
97269.33	SB-32-2.0	04/17/2019	Soil	1
97269.34	SB-33-0.5	04/17/2019	Soil	1
97269.35	SB-33-1.0	04/17/2019	Soil	1
97269.36	SB-33-2.0	04/17/2019	Soil	1
97269.37	SB-34-0.5	04/17/2019	Soil	1
97269.38	SB-34-1.0	04/17/2019	Soil	1
97269.39	SB-34-2.0	04/17/2019	Soil	1
97269.40	SB-29-0.5	04/17/2019	Soil	5
97269.41	SB-29-1.0	04/17/2019	Soil	5
97269.42	SB-29-2.0	04/17/2019	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/24/2019	2	Normal	mg/Kg

Continued



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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97269.42	SB-29-2.0	04/17/2019	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
(8081A)	04/24/2019	2	Normal	ug/Kg
97269.28	SB-42-3.0	04/17/2019	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(8081A)	04/24/2019	2	Normal	ug/Kg
(8082)	04/24/2019	2	Normal	ug/Kg
(8260B)	04/24/2019	2	Normal	ug/Kg
(M8015D) ^ C13-C40	04/24/2019	2	Normal	mg/Kg
(M8015G)	04/24/2019	2	Normal	mg/Kg
97269.29	SB-42-5.0	04/17/2019	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(8081A)	04/24/2019	2	Normal	ug/Kg
(8260B)	04/24/2019	2	Normal	ug/Kg
(M8015D) ^ C13-C40	04/24/2019	2	Normal	mg/Kg
(M8015G)	04/24/2019	2	Normal	mg/Kg
97269.30	SB-42-9.0	04/17/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	04/24/2019	2	Normal	--

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

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97269.28	97269.29		
Client Sample I.D.				SB-42-3.0	SB-42-5.0		
Date Sampled				04/17/2019	04/17/2019		
Date Prepared			04/18/2019	04/17/2019	04/17/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/19/2019	04/19/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	5.0	10.0	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97269.28	97269.29		
Client Sample I.D.				SB-42-3.0	SB-42-5.0		
Date Sampled				04/17/2019	04/17/2019		
Date Prepared			04/18/2019	04/17/2019	04/17/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/19/2019	04/19/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.0	5.0	ND	ND	ND		



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97269.28	97269.29		
Client Sample I.D.				SB-42-3.0	SB-42-5.0		
Date Sampled				04/17/2019	04/17/2019		
Date Prepared			04/18/2019	04/17/2019	04/17/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/19/2019	04/19/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	97269.28	97269.29		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		88.7	89.1	87.5		
Dibromofluoromethane	75-125		103	102	100		
Toluene-d8	75-125		98.0	96.7	96.6		



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
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**Site**

Belvedere Middle School  
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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041819OB1

<b>Our Lab I.D.</b>			Method Blank	97269.28	97269.29		
Client Sample I.D.				SB-42-3.0	SB-42-5.0		
Date Sampled				04/17/2019	04/17/2019		
Date Prepared			04/18/2019	04/17/2019	04/17/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	97269.28	97269.29		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>		
Bromofluorobenzene	75-125		112	119	120		



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### ANALYTICAL RESULTS

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Attn: Robert Sabater

Page: 6

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 041919DB1

<b>Our Lab I.D.</b>			Method Blank	97269.28	97269.29		
Client Sample I.D.				SB-42-3.0	SB-42-5.0		
Date Sampled				04/17/2019	04/17/2019		
Date Prepared			04/19/2019	04/19/2019	04/19/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			04/19/2019	04/19/2019	04/19/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	97269.28	97269.29		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>		
Chlorobenzene	75-125		114	111	111		



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1

Our Lab I.D.			Method Blank	97269.01	97269.02	97269.03	
Client Sample I.D.				SB-01-0.5	SB-01-1.0	SB-01-2.0	
Date Sampled				04/17/2019	04/17/2019	04/17/2019	
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	1.14J	ND	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	4.45	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	ND	ND	1.40J	ND	
Dieldrin	1.0	2.0	ND	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	25.0	50.0	ND	ND	ND	ND	





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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97269.01	97269.02	97269.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		93.6	102	101	120	
Tetrachloro-m-xylene	30-150		67.2	108	117	114	



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Page: 9

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1

Our Lab I.D.		97269.04					
Client Sample I.D.		SB-04-0.5					
Date Sampled		04/17/2019					
Date Prepared		04/19/2019					
Preparation Method		3550B					
Date Analyzed		04/23/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		2					
Analytes	MDL	PQL	Results				
Aldrin	2.0	4.0	ND				
Chlordane (Total)	2.0	4.0	ND				
Chlordane (alpha)	2.0	4.0	ND				
4,4'-DDD (DDD)	2.0	4.0	ND				
4,4'-DDE (DDE)	2.0	4.0	ND				
4,4'-DDT (DDT)	2.0	4.0	ND				
Dieldrin	2.0	4.0	ND				
Endosulfan I	2.0	4.0	ND				
Endosulfan II	2.0	4.0	ND				
Endosulfan sulfate	2.0	4.0	ND				
Endrin	2.0	4.0	ND				
Endrin aldehyde	2.0	4.0	ND				
Endrin ketone	2.0	4.0	ND				
Chlordane (gamma)	2.0	4.0	ND				
Heptachlor	2.0	4.0	ND				
Heptachlor epoxide	2.0	4.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND				
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND				
Methoxychlor	10	20	ND				
Toxaphene	50	100	ND				

Comment(s):

97269.04: Analyzed under dilution due to matrix interference



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.04				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		96.8				
Tetrachloro-m-xylene	30-150		103				



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## ANALYTICAL RESULTS

### Ordered By

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Page: 11

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1

Our Lab I.D.			97269.05	97269.06			
Client Sample I.D.			SB-04-1.0	SB-04-2.0			
Date Sampled			04/17/2019	04/17/2019			
Date Prepared			04/19/2019	04/19/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/23/2019	04/23/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	ND			
4,4'-DDT (DDT)	1.0	2.0	ND	ND			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	25.0	50.0	ND	ND			



## American Environmental Testing Laboratory Inc.

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

### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.05	97269.06			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		92.4	110			
Tetrachloro-m-xylene	30-150		113	120			



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1

Our Lab I.D.		97269.07					
Client Sample I.D.		SB-35-0.5					
Date Sampled		04/17/2019					
Date Prepared		04/19/2019					
Preparation Method		3550B					
Date Analyzed		04/23/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		10					
Analytes	MDL	PQL	Results				
Aldrin	10	20	ND				
Chlordane (Total)	10	20	15.8J				
Chlordane (alpha)	10	20	ND				
4,4'-DDD (DDD)	10	20	ND				
4,4'-DDE (DDE)	10	20	ND				
4,4'-DDT (DDT)	10	20	ND				
Dieldrin	10	20	ND				
Endosulfan 1	10	20	ND				
Endosulfan 11	10	20	ND				
Endosulfan sulfate	10	20	ND				
Endrin	10	20	ND				
Endrin aldehyde	10	20	ND				
Endrin ketone	10	20	ND				
Chlordane (gamma)	10	20	ND				
Heptachlor	10	20	ND				
Heptachlor epoxide	10	20	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	10	20	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	10	20	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	10	20	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	10	20	ND				
Methoxychlor	50	100	ND				
Toxaphene	250	500	ND				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.07				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		73.2				
Tetrachloro-m-xylene	30-150		112				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1

Our Lab I.D.			97269.08	97269.09	97269.10	97269.11	97269.12
Client Sample I.D.			SB-35-1.0	SB-35-2.0	SB-36-0.5	SB-36-1.0	SB-36-2.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND





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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.08	97269.09	97269.10	97269.11	97269.12
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		98.4	84.4	82.0	79.2	78.8
Tetrachloro-m-xylene	30-150		117	100	113	107	100



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## ANALYTICAL RESULTS

### Ordered By

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3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1

Our Lab I.D.			97269.13	97269.14	97269.15	97269.16	97269.17
Client Sample I.D.			SB-37-0.5	SB-37-1.0	SB-37-2.0	SB-25-0.5	SB-25-1.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/23/2019	04/23/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.13	97269.14	97269.15	97269.16	97269.17
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		92.8	94.8	78.0	101	99.6
Tetrachloro-m-xylene	30-150		114	110	102	110	110



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## ANALYTICAL RESULTS

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB2

Our Lab I.D.			Method Blank	97269.18	97269.19	97269.20	97269.21
Client Sample I.D.				SB-25-2.0	SB-28-0.5	SB-28-1.0	SB-28-2.0
Date Sampled				04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	2.27	2.21	ND
Chlordane (alpha)	1.0	2.0	ND	ND	1.11J	1.08J	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	63.9	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	1.16J	1.13J	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97269.18	97269.19	97269.20	97269.21
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		98.4	108	107	103	86.4
Tetrachloro-m-xylene	30-150		90.0	112	112	108	97.6



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Page: 21

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB2

Our Lab I.D.			97269.22	97269.23	97269.24	97269.25	97269.26
Client Sample I.D.			SB-26-0.5	SB-26-1.0	SB-26-2.0	SB-31-0.5	SB-31-1.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	59.7	48.6
Chlordane (alpha)	1.0	2.0	ND	ND	ND	28.6	25.2
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	9.92	4.84
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	7.15	5.18
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	31.1	23.4
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.22	97269.23	97269.24	97269.25	97269.26
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		91.2	82.8	83.6	93.2	76.8
Tetrachloro-m-xylene	30-150		104	96.4	95.6	90.8	82.0



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## ANALYTICAL RESULTS

### Ordered By

### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB2

Our Lab I.D.			97269.27	97269.28	97269.29	97269.31	97269.32
Client Sample I.D.			SB-31-2.0	SB-42-3.0	SB-42-5.0	SB-32-0.5	SB-32-1.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	2.20	ND	2.32	ND
Chlordane (alpha)	1.0	2.0	ND	1.15J	ND	1.08J	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	1.05J	ND	ND	1.46J	ND
4,4'-DDT (DDT)	1.0	2.0	1.80J	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan I	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan II	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	1.05J	ND	1.24J	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND





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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.27	97269.28	97269.29	97269.31	97269.32
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		83.6	83.6	86.4	85.6	94.8
Tetrachloro-m-xylene	30-150		76.4	67.2	69.2	78.4	94.4



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB2

Our Lab I.D.			97269.33	97269.34	97269.35	97269.36	97269.37
Client Sample I.D.			SB-32-2.0	SB-33-0.5	SB-33-1.0	SB-33-2.0	SB-34-0.5
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/19/2019	04/19/2019	04/19/2019	04/19/2019	04/19/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	26.3	2.49	ND	20.9
Chlordane (alpha)	1.0	2.0	ND	14.0	1.16J	ND	11.1
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	22.6	1.18J	ND	7.36
4,4'-DDT (DDT)	1.0	2.0	ND	2.88	ND	ND	2.35
Dieldrin	1.0	2.0	ND	1.43J	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	12.3	1.33J	ND	9.81
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.33	97269.34	97269.35	97269.36	97269.37
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		87.6	79.6	78.0	91.2	87.2
Tetrachloro-m-xylene	30-150		93.2	75.6	82.0	88.0	82.0



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2

Our Lab I.D.			Method Blank	97269.38	97269.39	97269.40	97269.41
Client Sample I.D.				SB-34-1.0	SB-34-2.0	SB-29-0.5	SB-29-1.0
Date Sampled				04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/22/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	46.9	1.55J
Chlordane (alpha)	1.0	2.0	ND	ND	ND	22.2	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	4.05	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	125	5.11
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	62.4	3.26
Dieldrin	1.0	2.0	ND	ND	ND	3.19	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	15.0	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	24.7	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	1.75J	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

#### Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97269.38	97269.39	97269.40	97269.41
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		84.8	98.8	102	89.6	91.2
Tetrachloro-m-xylene	30-150		90.8	69.2	94.8	68.0	85.6



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2

Our Lab I.D.		97269.42					
Client Sample I.D.		SB-29-2.0					
Date Sampled		04/17/2019					
Date Prepared		04/18/2019					
Preparation Method		3550B					
Date Analyzed		04/23/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		1					
Analytes	MDL	PQL	Results				
Aldrin	1.0	2.0	ND				
Chlordane (Total)	1.0	2.0	3.07				
Chlordane (alpha)	1.0	2.0	1.97J				
4,4'-DDD (DDD)	1.0	2.0	ND				
4,4'-DDE (DDE)	1.0	2.0	4.61				
4,4'-DDT (DDT)	1.0	2.0	1.82J				
Dieldrin	1.0	2.0	ND				
Endosulfan I	1.0	2.0	ND				
Endosulfan II	1.0	2.0	ND				
Endosulfan sulfate	1.0	2.0	ND				
Endrin	1.0	2.0	ND				
Endrin aldehyde	1.0	2.0	ND				
Endrin ketone	1.0	2.0	ND				
Chlordane (gamma)	1.0	2.0	1.10J				
Heptachlor	1.0	2.0	ND				
Heptachlor epoxide	1.0	2.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND				
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND				
Methoxychlor	5.0	10.0	ND				
Toxaphene	25.0	50.0	ND				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97269.42				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		97.6				
Tetrachloro-m-xylene	30-150		82.8				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041919ZB1

Our Lab I.D.			Method Blank	97269.01	97269.28		
Client Sample I.D.				SB-01-0.5	SB-42-3.0		
Date Sampled				04/17/2019	04/17/2019		
Date Prepared			04/19/2019	04/19/2019	04/19/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			04/19/2019	04/19/2019	04/19/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND		
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND		
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND		
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND		
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND		
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND		
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND		
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND		
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND		
Our Lab I.D.			Method Blank	97269.01	97269.28		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		94.8	132	102		
Tetrachloro-m-xylene	30-150		71.6	128	80.8		





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C3

Our Lab I.D.			Method Blank	97269.01	97269.02	97269.03	97269.04
Client Sample I.D.				SB-01-0.5	SB-01-1.0	SB-01-2.0	SB-04-0.5
Date Sampled				04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	139	77.9	93.0	97.1
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	17.6	13.4	16.9	18.5
Cobalt	2.5	5.0	ND	10.2	6.86	8.60	8.29
Copper	2.5	5.0	ND	20.2	10.2	10.4	13.0
Lead	2.5	5.0	ND	4.71J	11.7	ND	18.5
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	0.142J	0.163J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	14.8	9.51	13.4	13.3
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	32.1	31.4	37.8	31.7
Zinc	2.5	5.0	ND	56.3	45.0	41.0	56.8



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C3

Our Lab I.D.			97269.05	97269.06	97269.07	97269.08	97269.09
Client Sample I.D.			SB-04-1.0	SB-04-2.0	SB-35-0.5	SB-35-1.0	SB-35-2.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	103	160	74.1	136	85.1
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	17.4	23.1	11.8	32.0	15.9
Cobalt	2.5	5.0	10.1	11.1	6.05	10.4	7.77
Copper	2.5	5.0	13.2	14.3	13.0	21.4	12.9
Lead	2.5	5.0	6.21	3.86J	15.4	9.81	12.3
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	0.128J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	13.4	17.9	13.1	28.9	11.6
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	33.0	47.2	26.6	43.8	32.9
Zinc	2.5	5.0	44.3	46.1	50.2	68.9	59.7



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C3

<b>Our Lab I.D.</b>			<b>97269.10</b>				
Client Sample I.D.			SB-36-0.5				
Date Sampled			04/17/2019				
Date Prepared			04/22/2019				
Preparation Method			3050B				
Date Analyzed			04/23/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	103				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	19.5				
Cobalt	2.5	5.0	8.40				
Copper	2.5	5.0	14.7				
Lead	2.5	5.0	22.1				
Mercury (By EPA 7471)	0.1	0.2	0.105J				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	14.4				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	36.7				
Zinc	2.5	5.0	77.6				



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C4

Our Lab I.D.			Method Blank	97269.11	97269.12	97269.13	97269.14
Client Sample I.D.				SB-36-1.0	SB-36-2.0	SB-37-0.5	SB-37-1.0
Date Sampled				04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	126	109	98.4	114
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	19.8	22.5	20.5	20.9
Cobalt	2.5	5.0	ND	9.21	10.1	8.21	8.67
Copper	2.5	5.0	ND	40.2	12.7	14.3	12.9
Lead	2.5	5.0	ND	34.9	7.50	11.3	10.6
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	0.111J	0.112J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	13.7	16.3	14.8	13.9
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	38.4	42.6	39.2	41.4
Zinc	2.5	5.0	ND	98.1	54.4	55.3	55.3



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C4

Our Lab I.D.			97269.15	97269.16	97269.17	97269.18	97269.19
Client Sample I.D.			SB-37-2.0	SB-25-0.5	SB-25-1.0	SB-25-2.0	SB-28-0.5
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	80.0	96.1	91.3	117	129
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	13.4	16.4	15.2	22.2	23.7
Cobalt	2.5	5.0	6.33	8.79	9.04	10.6	10.5
Copper	2.5	5.0	11.5	10.7	10.3	13.7	15.0
Lead	2.5	5.0	3.90J	8.15	3.81J	ND	11.7
Mercury (By EPA 7471)	0.1	0.2	ND	0.284	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	11.4	11.5	9.66	17.5	17.2
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	28.1	34.4	29.5	45.4	43.9
Zinc	2.5	5.0	44.5	42.4	33.7	44.7	54.3



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C4

<b>Our Lab I.D.</b>			<b>97269.20</b>				
Client Sample I.D.			SB-28-1.0				
Date Sampled			04/17/2019				
Date Prepared			04/22/2019				
Preparation Method			3050B				
Date Analyzed			04/23/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	139				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	24.8				
Cobalt	2.5	5.0	7.20				
Copper	2.5	5.0	11.7				
Lead	2.5	5.0	4.37J				
Mercury (By EPA 7471)	0.1	0.2	0.117J				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	14.7				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	45.4				
Zinc	2.5	5.0	43.8				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C5

Our Lab I.D.			Method Blank	97269.21	97269.22	97269.23	97269.24
Client Sample I.D.				SB-28-2.0	SB-26-0.5	SB-26-1.0	SB-26-2.0
Date Sampled				04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	99.7	117	102	92.4
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	16.1	19.2	20.0	15.2
Cobalt	2.5	5.0	ND	9.37	8.36	9.03	9.49
Copper	2.5	5.0	ND	11.4	12.8	12.1	10.4
Lead	2.5	5.0	ND	7.62	25.8	2.54J	2.81J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	11.0	13.5	14.3	9.70
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	31.2	36.9	38.7	29.4
Zinc	2.5	5.0	ND	38.2	63.0	39.8	35.3



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## ANALYTICAL RESULTS

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### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C5

Our Lab I.D.			97269.25	97269.26	97269.27	97269.28	97269.29
Client Sample I.D.			SB-31-0.5	SB-31-1.0	SB-31-2.0	SB-42-3.0	SB-42-5.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	118	127	102	115	81.3
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	18.6	18.5	18.7	24.9	16.0
Cobalt	2.5	5.0	8.19	8.33	10.7	9.25	5.17
Copper	2.5	5.0	17.1	21.3	11.7	9.75	7.65
Lead	2.5	5.0	66.8	81.0	8.89	5.77	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	0.353
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	12.5	13.0	12.8	16.1	9.02
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	32.7	32.8	37.8	45.9	32.2
Zinc	2.5	5.0	111	228	41.2	48.3	32.2





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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C6

Our Lab I.D.			Method Blank	97269.31	97269.32	97269.33	97269.34
Client Sample I.D.				SB-32-0.5	SB-32-1.0	SB-32-2.0	SB-33-0.5
Date Sampled				04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	105	98.4	91.4	110
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	20.0	16.1	17.5	18.8
Cobalt	2.5	5.0	ND	8.61	9.31	9.84	8.21
Copper	2.5	5.0	ND	12.3	17.2	12.4	21.1
Lead	2.5	5.0	ND	12.1	14.3	19.4	79.8
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	0.124J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	15.3	11.3	11.8	12.9
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	41.2	30.4	34.1	30.1
Zinc	2.5	5.0	ND	54.0	62.8	92.7	193



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C6

Our Lab I.D.			97269.35	97269.36	97269.37	97269.38	97269.39
Client Sample I.D.			SB-33-1.0	SB-33-2.0	SB-34-0.5	SB-34-1.0	SB-34-2.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	110	98.1	126	144	105
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	16.3	16.8	16.6	16.2	18.3
Cobalt	2.5	5.0	9.20	9.96	8.32	7.67	11.4
Copper	2.5	5.0	12.3	11.4	25.9	20.5	13.1
Lead	2.5	5.0	10.7	2.88J	80.0	109	3.85J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.122J	0.118J	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	12.2	12.0	12.0	11.6	14.1
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	31.1	34.2	31.8	29.3	37.5
Zinc	2.5	5.0	78.0	44.7	132	129	37.0



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C6

Our Lab I.D.			97269.40	97269.41	97269.42		
Client Sample I.D.			SB-29-0.5	SB-29-1.0	SB-29-2.0		
Date Sampled			04/17/2019	04/17/2019	04/17/2019		
Date Prepared			04/22/2019	04/22/2019	04/22/2019		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			04/23/2019	04/23/2019	04/23/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	ND	ND		
Barium	2.5	5.0	104	114	140		
Beryllium	1.0	2.5	ND	ND	ND		
Cadmium	1.0	2.5	ND	ND	ND		
Chromium	2.5	5.0	20.1	25.6	25.5		
Cobalt	2.5	5.0	8.44	17.1	12.6		
Copper	2.5	5.0	19.3	11.3	15.1		
Lead	2.5	5.0	37.7	5.01	7.41		
Mercury (By EPA 7471)	0.1	0.2	ND	0.147J	ND		
Molybdenum	2.0	5.0	ND	ND	ND		
Nickel	2.5	5.0	13.6	16.2	20.0		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.0	5.0	ND	ND	ND		
Thallium	0.7	5.0	ND	ND	ND		
Vanadium	2.5	5.0	33.8	52.7	50.6		
Zinc	2.5	5.0	236	53.8	61.4		



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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C1

Our Lab I.D.		Method Blank	97269.01	97269.02	97269.03	97269.04
Client Sample I.D.			SB-01-0.5	SB-01-1.0	SB-01-2.0	SB-04-0.5
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared		04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	5.16	3.33	2.65
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C1

Our Lab I.D.			97269.05	97269.06	97269.07	97269.08	97269.09
Client Sample I.D.			SB-04-1.0	SB-04-2.0	SB-35-0.5	SB-35-1.0	SB-35-2.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	2.15	2.96	5.71	5.59	3.09
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C1

<b>Our Lab I.D.</b>		<b>97269.10</b>				
Client Sample I.D.		SB-36-0.5				
Date Sampled		04/17/2019				
Date Prepared		04/22/2019				
Preparation Method		3050B				
Date Analyzed		04/24/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Arsenic	0.10	1.00	2.97			
Thallium	0.30	1.00	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C2

Our Lab I.D.		Method Blank	97269.11	97269.12	97269.13	97269.14
Client Sample I.D.			SB-36-1.0	SB-36-2.0	SB-37-0.5	SB-37-1.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared		04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	2.11	2.57	2.88
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C2

Our Lab I.D.			97269.15	97269.16	97269.17	97269.18	97269.19
Client Sample I.D.			SB-37-2.0	SB-25-0.5	SB-25-1.0	SB-25-2.0	SB-28-0.5
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	2.72	2.13	1.64	2.35	2.92
Thallium	0.30	1.00	ND	ND	ND	ND	ND





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C2

<b>Our Lab I.D.</b>		<b>97269.20</b>				
Client Sample I.D.		SB-28-1.0				
Date Sampled		04/17/2019				
Date Prepared		04/22/2019				
Preparation Method		3050B				
Date Analyzed		04/24/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Arsenic	0.10	1.00	2.28			
Thallium	0.30	1.00	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C3

Our Lab I.D.		Method Blank	97269.21	97269.22	97269.23	97269.24
Client Sample I.D.			SB-28-2.0	SB-26-0.5	SB-26-1.0	SB-26-2.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared		04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	1.81	2.69	2.16
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C3

Our Lab I.D.		97269.25	97269.26	97269.27		
Client Sample I.D.		SB-31-0.5	SB-31-1.0	SB-31-2.0		
Date Sampled		04/17/2019	04/17/2019	04/17/2019		
Date Prepared		04/22/2019	04/22/2019	04/22/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		04/24/2019	04/24/2019	04/24/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.10	1.00	3.99	4.27	2.26	
Thallium	0.30	1.00	ND	ND	ND	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C4

Our Lab I.D.		Method Blank	97269.31	97269.32	97269.33	97269.34
Client Sample I.D.			SB-32-0.5	SB-32-1.0	SB-32-2.0	SB-33-0.5
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared		04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	3.04	1.61	1.91
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C4

Our Lab I.D.			97269.35	97269.36	97269.37	97269.38	97269.39
Client Sample I.D.			SB-33-1.0	SB-33-2.0	SB-34-0.5	SB-34-1.0	SB-34-2.0
Date Sampled			04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	2.00	1.70	2.95	2.58	1.73
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C4

Our Lab I.D.		97269.40	97269.41	97269.42		
Client Sample I.D.		SB-29-0.5	SB-29-1.0	SB-29-2.0		
Date Sampled		04/17/2019	04/17/2019	04/17/2019		
Date Prepared		04/22/2019	04/22/2019	04/22/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		04/24/2019	04/24/2019	04/24/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Arsenic	0.10	1.00	6.31	3.22	2.69	
Thallium	0.30	1.00	ND	ND	ND	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.			Method Blank	97269.44			
Client Sample I.D.				TB-20190417 -NT			
Date Sampled				04/17/2019			
Date Prepared			04/19/2019	04/17/2019			
Preparation Method			5030B	5030B			
Date Analyzed			04/19/2019	04/19/2019			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	10	10	ND	ND			
Benzene	0.5	1.0	ND	ND			
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND			
Bromochloromethane	0.5	1.0	ND	ND			
Bromodichloromethane	0.5	1.0	ND	ND			
Bromoform (Tribromomethane)	2.5	5.0	ND	ND			
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND			
2-Butanone (MEK)	5.0	5.0	ND	ND			
n-Butylbenzene	0.5	1.0	ND	ND			
sec-Butylbenzene	0.5	1.0	ND	ND			
tert-Butylbenzene	0.5	1.0	ND	ND			
Carbon Disulfide	0.5	1.0	ND	ND			
Carbon tetrachloride	0.5	1.0	ND	ND			
Chlorobenzene	0.5	1.0	ND	ND			
Chloroethane	1.5	3.0	ND	ND			
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND			
Chloroform (Trichloromethane)	0.5	1.0	ND	ND			
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND			
2-Chlorotoluene	0.5	1.0	ND	ND			
4-Chlorotoluene	0.5	1.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND			
Dibromochloromethane	0.5	1.0	ND	ND			
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND			
Dibromomethane	0.5	1.0	ND	ND			
1,2-Dichlorobenzene	0.5	1.0	ND	ND			
1,3-Dichlorobenzene	0.5	1.0	ND	ND			
1,4-Dichlorobenzene	0.5	1.0	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.			Method Blank	97269.44			
Client Sample I.D.				TB-20190417 -NT			
Date Sampled				04/17/2019			
Date Prepared			04/19/2019	04/17/2019			
Preparation Method			5030B	5030B			
Date Analyzed			04/19/2019	04/19/2019			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	1.5	3.0	ND	ND			
1,1-Dichloroethane	0.5	1.0	ND	ND			
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND			
1,1-Dichloroethene	0.5	1.0	ND	ND			
cis-1,2-Dichloroethene	0.5	1.0	ND	ND			
trans-1,2-Dichloroethene	0.5	1.0	ND	ND			
1,2-Dichloropropane	0.5	1.0	ND	ND			
1,3-Dichloropropane	0.5	1.0	ND	ND			
2,2-Dichloropropane	0.5	1.0	ND	ND			
1,1-Dichloropropene	0.5	1.0	ND	ND			
cis-1,3-Dichloropropene	0.5	1.0	ND	ND			
trans-1,3-Dichloropropene	0.5	1.0	ND	ND			
Ethylbenzene	0.5	1.0	ND	ND			
Hexachlorobutadiene	1.5	3.0	ND	ND			
2-Hexanone	2.5	5.0	ND	ND			
Iodomethane	0.5	1.0	ND	ND			
Isopropylbenzene	0.5	1.0	ND	ND			
p-Isopropyltoluene	0.5	1.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND			
Methylene chloride (DCM)	2.0	4.0	ND	ND			
Naphthalene	0.5	1.0	ND	ND			
n-Propylbenzene	0.5	1.0	ND	ND			
Styrene	0.5	1.0	ND	ND			
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND			
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND			
Tetrachloroethene	0.5	1.0	ND	ND			
Toluene (Methyl benzene)	0.5	1.0	ND	ND			
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND			
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND			
1,1,1-Trichloroethane	0.5	1.0	ND	ND			
1,1,2-Trichloroethane	0.5	1.0	ND	ND			
Trichloroethene	0.5	1.0	ND	ND			





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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.		Method Blank	97269.44			
Client Sample I.D.			TB-20190417 -NT			
Date Sampled			04/17/2019			
Date Prepared		04/19/2019	04/17/2019			
Preparation Method		5030B	5030B			
Date Analyzed		04/19/2019	04/19/2019			
Matrix		Aqueous	Aqueous			
Units		ug/L	ug/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Trichlorofluoromethane	0.5	1.0	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND		
o-Xylene	0.5	1.0	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND		
Our Lab I.D.		Method Blank	97269.44			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Bromofluorobenzene	75-125	93.5	94.2			
Dibromofluoromethane	75-125	106	106			
Toluene-d8	75-125	103	104			



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041919NB1

Our Lab I.D.		Method Blank	97269.44			
Client Sample I.D.			TB-20190417 -NT			
Date Sampled			04/17/2019			
Date Prepared		04/19/2019	04/17/2019			
Preparation Method		5030B	5030B			
Date Analyzed		04/19/2019	04/19/2019			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND		
Our Lab I.D.		Method Blank	97269.44			
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125		99.2	114		



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### ANALYTICAL RESULTS

**Ordered By**

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Page: 58

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0423192C1

<b>Our Lab I.D.</b>			Method Blank	97269.43			
Client Sample I.D.				EB-20190417 -NT			
Date Sampled				04/17/2019			
Date Prepared			04/23/2019	04/23/2019			
Preparation Method			3005A	3005A			
Date Analyzed			04/24/2019	04/24/2019			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

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Page: 59

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0423192C1; Dup or Spiked Sample: 97260.02; LCS: Clean Water; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;

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	0.949	94.9	1.00	0.977	97.7	2.9	75-125	<15
Arsenic	0.00	1.00	0.928	92.8	1.00	0.949	94.9	2.2	75-125	<15
Barium	0.00	1.00	0.906	90.6	1.00	0.904	90.4	<1	75-125	<15
Beryllium	0.00	1.00	0.959	95.9	1.00	0.965	96.5	<1	75-125	<15
Cadmium	0.00	1.00	0.888	88.8	1.00	0.885	88.5	<1	75-125	<15
Chromium	0.00	1.00	0.949	94.9	1.00	0.938	93.8	1.2	75-125	<15
Cobalt	0.00	1.00	0.891	89.1	1.00	0.887	88.7	<1	75-125	<15
Copper	0.0139	1.00	0.953	93.9	1.00	0.948	93.4	<1	75-125	<15
Lead	0.00	1.00	0.831	83.1	1.00	0.824	82.4	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00883	88.3	0.0100	0.00814	81.4	8.1	75-125	<15
Molybdenum	0.0135	1.00	0.908	89.4	1.00	0.910	89.6	<1	75-125	<15
Nickel	0.00	1.00	0.932	93.2	1.00	0.926	92.6	<1	75-125	<15
Selenium	0.00	1.00	0.953	95.3	1.00	0.957	95.7	<1	75-125	<15
Silver	0.0393	1.00	0.821	78.2	1.00	0.812	77.3	1.2	75-125	<15
Thallium	0.00	1.00	0.809	80.9	1.00	0.794	79.4	1.9	75-125	<15
Vanadium	0.00	1.00	0.942	94.2	1.00	0.939	93.9	<1	75-125	<15
Zinc	0.00	1.00	1.00	100	1.00	1.00	100	<1	75-125	<15

QC Batch No: 0423192C1; Dup or Spiked Sample: 97260.02; LCS: Clean Water; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;

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	0.922	92.2	1.00	0.964	96.4	4.5	75-125	<15	
Arsenic	1.00	0.938	93.8	1.00	0.946	94.6	<1	75-125	<15	
Barium	1.00	0.911	91.1	1.00	0.917	91.7	<1	75-125	<15	
Beryllium	1.00	0.940	94.0	1.00	0.956	95.6	1.7	75-125	<15	
Cadmium	1.00	0.904	90.4	1.00	0.913	91.3	<1	75-125	<15	
Chromium	1.00	0.954	95.4	1.00	0.957	95.7	<1	75-125	<15	
Cobalt	1.00	0.889	88.9	1.00	0.900	90.0	1.2	75-125	<15	
Copper	1.00	0.912	91.2	1.00	0.918	91.8	<1	75-125	<15	
Lead	1.00	0.854	85.4	1.00	0.853	85.3	<1	75-125	<15	
Mercury (By EPA 7470)	0.0100	0.00918	91.8	0.0100	0.00903	90.3	1.6	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0423192C1; Dup or Spiked Sample: 97260.02; LCS: Clean Water; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	0.901	90.1	1.00	0.918	91.8	1.9	75-125	<15	
Nickel	1.00	0.903	90.3	1.00	0.908	90.8	<1	75-125	<15	
Selenium	1.00	0.943	94.3	1.00	0.957	95.7	1.5	75-125	<15	
Silver	1.00	0.925	92.5	1.00	0.932	93.2	<1	75-125	<15	
Thallium	1.00	0.835	83.5	1.00	0.831	83.1	<1	75-125	<15	
Vanadium	1.00	0.936	93.6	1.00	0.944	94.4	<1	75-125	<15	
Zinc	1.00	0.990	99.0	1.00	0.995	99.5	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

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### Site

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Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1; Dup or Spiked Sample: B0419191A1; LCS: Clean Water; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
Units: ug/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
Benzene	0.00	50.0	47.5	95.0	50.0	51.5	103	8.1	75-125	<20
Carbon tetrachloride	0.00	50.0	45.1	90.2	50.0	50.5	101	11.3	75-125	<20
Chlorobenzene	0.00	50.0	51.0	102	50.0	56.5	113	10.2	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	47.0	94.0	50.0	50.5	101	7.2	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	48.9	97.8	50.0	52.5	105	7.1	75-125	<20
1,1-Dichloroethane	0.00	50.0	47.1	94.2	50.0	51.0	102	8.0	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.3	88.6	50.0	49.0	98.0	10.1	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	49.8	99.6	50.0	54.0	108	8.1	75-125	<20
Ethylbenzene	0.00	50.0	49.4	98.8	50.0	55.0	110	10.7	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	47.9	95.8	50.0	48.9	97.8	2.1	75-125	<20
n-Propylbenzene	0.00	50.0	44.6	89.2	50.0	49.8	99.6	11.0	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	49.0	98.0	50.0	54.0	108	9.7	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	45.7	91.4	50.0	50.5	101	10.0	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	51.5	103	50.0	53.0	106	2.9	75-125	<20
Trichloroethene	0.00	50.0	50.0	100	50.0	56.0	112	11.3	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	43.7	87.4	50.0	48.5	97.0	10.4	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	44.6	89.2	50.0	49.5	99.0	10.4	75-125	<20
o-Xylene	0.00	50.0	48.8	97.6	50.0	54.0	108	10.1	75-125	<20
m,p-Xylenes	0.00	100	98.9	98.9	100	110	110	10.6	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	46.5	93.0	50.0	46.3	92.6	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	47.5	95.0	50.0	47.3	94.5	<1	75-125	<20
Toluene-d8	0.00	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20

QC Batch No: 0419191A1; Dup or Spiked Sample: B0419191A1; LCS: Clean Water; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
Units: ug/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	
Benzene	50.0	52.0	104	50.0	52.5	105	<1	75-125	<20	
Carbon tetrachloride	50.0	52.5	105	50.0	51.5	103	1.9	75-125	<20	
Chlorobenzene	50.0	58.0	116	50.0	58.0	116	<1	75-125	<20	
Chloroform (Trichloromethane)	50.0	50.5	101	50.0	50.5	101	<1	75-125	<20	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1; Dup or Spiked Sample: B0419191A1; LCS: Clean Water; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
Units: ug/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	
1,2-Dichlorobenzene	50.0	55.0	110	50.0	54.5	109	<1	75-125	<20	
1,1-Dichloroethane	50.0	51.5	103	50.0	51.0	102	<1	75-125	<20	
1,1-Dichloroethene	50.0	50.5	101	50.0	49.5	99.0	2.0	75-125	<20	
cis-1,2-Dichloroethene	50.0	54.5	109	50.0	54.0	108	<1	75-125	<20	
Ethylbenzene	50.0	57.0	114	50.0	57.0	114	<1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	49.8	99.6	50.0	49.0	98.0	1.6	75-125	<20	
n-Propylbenzene	50.0	52.5	105	50.0	51.5	103	1.9	75-125	<20	
Toluene (Methyl benzene)	50.0	56.0	112	50.0	55.5	111	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	52.5	105	50.0	51.5	103	1.9	75-125	<20	
1,1,2-Trichloroethane	50.0	54.0	108	50.0	53.5	107	<1	75-125	<20	
Trichloroethene	50.0	57.0	114	50.0	57.0	114	<1	75-125	<20	
1,2,4-Trimethylbenzene	50.0	51.0	102	50.0	50.5	101	<1	75-125	<20	
1,3,5-Trimethylbenzene	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20	
o-Xylene	50.0	55.5	111	50.0	55.5	111	<1	75-125	<20	
m,p-Xylenes	100	114	114	100	114	114	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	46.4	92.8	50.0	45.9	91.7	1.2	75-125	<20	
Dibromofluoromethane	50.0	46.5	92.9	50.0	46.3	92.6	<1	75-125	<20	
Toluene-d8	50.0	51.0	102	50.0	51.5	103	<1	75-125	<20	



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### QUALITY CONTROL RESULTS

#### Ordered By

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#### Site

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Attn: Robert Sabater

Page: 63

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041919NB1; Dup or Spiked Sample: B041919NB1; LCS: Clean Water; QC Prepared: 04/19/2019;MS Analyzed: 04/20/2019;  
LCS Analyzed: 04/19/2019; 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.499	99.8	0.500	0.494	98.8	1.0	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0580	116	0.0500	0.0580	116	<1	75-125	<20

QC Batch No: 041919NB1; Dup or Spiked Sample: B041919NB1; LCS: Clean Water; QC Prepared: 04/19/2019;MS Analyzed: 04/20/2019;  
LCS Analyzed: 04/19/2019; 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	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.485	97.0	0.500	0.485	97.0	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	0.0500	0.0535	107	0.0500	0.0540	108	<1	75-125	<20	





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## QUALITY CONTROL RESULTS

### Ordered By

### Site

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
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Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C3; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	53.5	107	50.0	52.0	104	2.8	75-125	<15
Arsenic	0.00	50.0	45.0	90.0	50.0	44.7	89.4	<1	75-125	<15
Barium	139	50.0	187	96.0	50.0	189	100	4.1	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	47.1	94.2	50.0	46.8	93.6	<1	75-125	<15
Chromium	17.6	50.0	64.1	93.0	50.0	64.0	92.8	<1	75-125	<15
Cobalt	10.2	50.0	54.1	87.8	50.0	53.8	87.2	<1	75-125	<15
Copper	20.2	50.0	70.7	101	50.0	70.7	101	<1	75-125	<15
Lead	4.71	50.0	44.1	78.8	50.0	44.1	78.8	<1	75-125	<15
Mercury (By EPA 7471)	0.0670	0.500	0.529	92.4	0.500	0.541	94.8	2.6	75-125	<15
Molybdenum	0.00	50.0	45.7	91.4	50.0	45.9	91.8	<1	75-125	<15
Nickel	14.8	50.0	67.3	105	50.0	67.8	106	<1	75-125	<15
Selenium	0.00	50.0	35.8 #	71.6	50.0	35.1 #	70.2	2.0	75-125	<15
Silver	0.00	50.0	41.2	82.4	50.0	41.2	82.4	<1	75-125	<15
Thallium	0.00	50.0	26.5 #	53.0	50.0	25.3 #	50.6	4.6	75-125	<15
Vanadium	32.1	50.0	80.8	97.4	50.0	81.3	98.4	1.0	75-125	<15
Zinc	56.3	50.0	102	91.4	50.0	102	91.4	<1	75-125	<15

QC Batch No: 0422192C3; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	55.5	111	50.0	55.5	111	<1	75-125	<15	
Arsenic	50.0	51.5	103	50.0	53.0	106	2.9	75-125	<15	
Barium	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Beryllium	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Cadmium	50.0	51.5	103	50.0	52.0	104	<1	75-125	<15	
Chromium	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15	
Cobalt	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Copper	50.0	49.1	98.2	50.0	51.0	102	3.8	75-125	<15	
Lead	50.0	49.9	99.8	50.0	49.7	99.4	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.489	97.7	0.500	0.486	97.1	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C3; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	49.8	99.6	50.0	50.0	100	<1	75-125	<15	
Nickel	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	
Selenium	50.0	53.5	107	50.0	55.0	110	2.8	75-125	<15	
Silver	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	
Thallium	50.0	50.5	101	50.0	51.0	102	<1	75-125	<15	
Vanadium	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15	
Zinc	50.0	55.0	110	50.0	55.0	110	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 66

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C4; Dup or Spiked Sample: 97269.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	53.0	106	50.0	53.5	107	<1	75-125	<15
Arsenic	0.00	50.0	42.7	85.4	50.0	42.6	85.2	<1	75-125	<15
Barium	126	50.0	174	96.0	50.0	174	96.0	<1	75-125	<15
Beryllium	0.00	50.0	45.9	91.8	50.0	45.9	91.8	<1	75-125	<15
Cadmium	0.00	50.0	45.9	91.8	50.0	46.5	93.0	1.3	75-125	<15
Chromium	19.8	50.0	68.2	96.8	50.0	68.8	98.0	1.2	75-125	<15
Cobalt	9.21	50.0	52.6	86.8	50.0	53.2	88.0	1.4	75-125	<15
Copper	40.2	50.0	71.3 #	62.2	50.0	72.1 #	63.8	2.5	75-125	<15
Lead	34.9	50.0	73.2	76.6	50.0	73.9	78.0	1.8	75-125	<15
Mercury (By EPA 7471)	0.0880	0.500	0.493	81.0	0.500	0.477	77.8	4.0	75-125	<15
Molybdenum	0.00	50.0	46.3	92.6	50.0	47.3	94.6	2.1	75-125	<15
Nickel	13.7	50.0	67.2	107	50.0	67.7	108	<1	75-125	<15
Selenium	0.00	50.0	36.2 #	72.4	50.0	34.1 #	68.2	6.0	75-125	<15
Silver	0.00	50.0	41.6	83.2	50.0	41.9	83.8	<1	75-125	<15
Thallium	0.00	50.0	27.6 #	55.2	50.0	28.4 #	56.8	2.9	75-125	<15
Vanadium	38.4	50.0	88.9	101	50.0	89.4	102	<1	75-125	<15
Zinc	98.1	50.0	136	75.8	50.0	137	77.8	2.6	75-125	<15

QC Batch No: 0422192C4; Dup or Spiked Sample: 97269.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	55.5	111	50.0	54.5	109	1.8	75-125	<15	
Arsenic	50.0	51.0	102	50.0	50.5	101	<1	75-125	<15	
Barium	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15	
Beryllium	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	
Cadmium	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15	
Chromium	50.0	53.0	106	50.0	52.0	104	1.9	75-125	<15	
Cobalt	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	
Copper	50.0	51.0	102	50.0	51.5	103	<1	75-125	<15	
Lead	50.0	49.9	99.8	50.0	49.4	98.8	1.0	75-125	<15	
Mercury (By EPA 7471)	0.500	0.493	98.6	0.500	0.467	93.4	5.4	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C4; Dup or Spiked Sample: 97269.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	49.7	99.4	50.0	49.5	99.0	<1	75-125	<15	
Nickel	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Selenium	50.0	55.0	110	50.0	54.0	108	1.8	75-125	<15	
Silver	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15	
Thallium	50.0	50.5	101	50.0	50.0	100	<1	75-125	<15	
Vanadium	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15	
Zinc	50.0	55.0	110	50.0	54.5	109	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 68

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C5; Dup or Spiked Sample: 97269.21; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	55.0	110	50.0	55.0	110	<1	75-125	<15
Arsenic	0.00	50.0	45.4	90.8	50.0	44.5	89.0	2.0	75-125	<15
Barium	99.7	50.0	145	90.6	50.0	142	84.6	6.8	75-125	<15
Beryllium	0.00	50.0	49.0	98.0	50.0	48.7	97.4	<1	75-125	<15
Cadmium	0.00	50.0	48.6	97.2	50.0	48.7	97.4	<1	75-125	<15
Chromium	16.1	50.0	66.0	99.8	50.0	65.4	98.6	1.2	75-125	<15
Cobalt	9.37	50.0	56.5	94.3	50.0	56.6	94.5	<1	75-125	<15
Copper	11.4	50.0	62.9	103	50.0	61.4	100	3.0	75-125	<15
Lead	7.62	50.0	48.3	81.4	50.0	48.3	81.4	<1	75-125	<15
Mercury (By EPA 7471)	0.0200	0.500	0.370#	69.9	0.500	0.363#	68.5	2.0	75-125	<15
Molybdenum	0.00	50.0	48.9	97.8	50.0	49.6	99.2	1.4	75-125	<15
Nickel	11.0	50.0	65.5	109	50.0	64.0	106	2.8	75-125	<15
Selenium	0.00	50.0	41.3	82.6	50.0	41.1	82.2	<1	75-125	<15
Silver	0.00	50.0	44.3	88.6	50.0	43.4	86.8	2.1	75-125	<15
Thallium	0.00	50.0	30.6 #	61.2	50.0	31.8 #	63.6	3.8	75-125	<15
Vanadium	31.2	50.0	82.7	103	50.0	81.0	99.6	3.4	75-125	<15
Zinc	38.2	50.0	87.7	99.0	50.0	88.0	99.6	<1	75-125	<15

QC Batch No: 0422192C5; Dup or Spiked Sample: 97269.21; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	55.5	111	50.0	55.5	111	<1	75-125	<15	
Arsenic	50.0	51.5	103	50.0	52.0	104	<1	75-125	<15	
Barium	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15	
Beryllium	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15	
Cadmium	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15	
Chromium	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15	
Cobalt	50.0	51.0	102	50.0	50.5	101	<1	75-125	<15	
Copper	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Lead	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.520	104	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C5; Dup or Spiked Sample: 97269.21; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	49.9	99.8	50.0	50.0	100	<1	75-125	<15	
Nickel	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Selenium	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15	
Silver	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Thallium	50.0	51.0	102	50.0	50.5	101	<1	75-125	<15	
Vanadium	50.0	53.0	106	50.0	52.5	105	<1	75-125	<15	
Zinc	50.0	55.5	111	50.0	55.5	111	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

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Attn: Robert Sabater

Page: 70

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C6; Dup or Spiked Sample: 97269.31; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	54.0	108	50.0	53.5	107	<1	75-125	<15
Arsenic	0.00	50.0	42.9	85.8	50.0	40.2	80.4	6.5	75-125	<15
Barium	105	50.0	154	98.0	50.0	153	96.0	2.1	75-125	<15
Beryllium	0.00	50.0	46.6	93.2	50.0	46.7	93.4	<1	75-125	<15
Cadmium	0.00	50.0	48.0	96.0	50.0	46.5	93.0	3.2	75-125	<15
Chromium	20.0	50.0	67.6	95.2	50.0	67.8	95.6	<1	75-125	<15
Cobalt	8.61	50.0	54.2	91.2	50.0	54.3	91.4	<1	75-125	<15
Copper	12.3	50.0	64.3	104	50.0	63.3	102	1.9	75-125	<15
Lead	12.1	50.0	56.9	89.6	50.0	56.8	89.4	<1	75-125	<15
Mercury (By EPA 7471)	0.0670	0.500	0.528	92.1	0.500	0.522	90.9	1.3	75-125	<15
Molybdenum	0.00	50.0	46.8	93.6	50.0	46.9	93.8	<1	75-125	<15
Nickel	15.3	50.0	69.8	109	50.0	69.3	108	<1	75-125	<15
Selenium	0.00	50.0	35.7 #	71.4	50.0	35.1 #	70.2	1.7	75-125	<15
Silver	0.00	50.0	42.1	84.2	50.0	41.6	83.2	1.2	75-125	<15
Thallium	0.00	50.0	28.5 #	57.0	50.0	28.4 #	56.8	<1	75-125	<15
Vanadium	41.2	50.0	90.9	99.4	50.0	89.8	97.2	2.2	75-125	<15
Zinc	54.0	50.0	112	116	50.0	110	112	3.5	75-125	<15

QC Batch No: 0422192C6; Dup or Spiked Sample: 97269.31; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	56.0	112	50.0	55.5	111	<1	75-125	<15	
Arsenic	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	
Barium	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Beryllium	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15	
Cadmium	50.0	52.5	105	50.0	53.0	106	<1	75-125	<15	
Chromium	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15	
Cobalt	50.0	50.5	101	50.0	51.0	102	<1	75-125	<15	
Copper	50.0	50.5	101	50.0	51.0	102	<1	75-125	<15	
Lead	50.0	50.5	101	50.0	49.9	99.8	1.2	75-125	<15	
Mercury (By EPA 7471)	0.500	0.520	104	0.500	0.520	104	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0422192C6; Dup or Spiked Sample: 97269.31; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/23/2019;  
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	49.8	99.6	50.0	50.5	101	1.4	75-125	<15	
Nickel	50.0	51.0	102	50.0	51.5	103	<1	75-125	<15	
Selenium	50.0	54.0	108	50.0	53.0	106	1.9	75-125	<15	
Silver	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Thallium	50.0	50.5	101	50.0	50.0	100	<1	75-125	<15	
Vanadium	50.0	52.5	105	50.0	53.0	106	<1	75-125	<15	
Zinc	50.0	55.0	110	50.0	55.0	110	<1	75-125	<15	





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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C1; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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
Arsenic	5.16	10.0	13.6	84.4	10.0	14.3	91.4	8.0	75-125	<15
Thallium	0.00	10.0	9.90	99.0	10.0	9.85	98.5	<1	75-125	<15

QC Batch No: 0422191C1; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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	
Arsenic	10.0	9.77	97.7	10.0	10.2	102	4.3	75-125	<15	
Thallium	10.0	9.82	98.2	10.0	9.79	97.9	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C2; Dup or Spiked Sample: 97269.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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
Arsenic	2.11	10.0	11.0	88.9	10.0	11.6	94.9	6.5	75-125	<15
Thallium	0.00	10.0	9.91	99.1	10.0	9.56	95.6	3.6	75-125	<15

QC Batch No: 0422191C2; Dup or Spiked Sample: 97269.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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	
Arsenic	10.0	9.19	91.9	10.0	9.27	92.7	<1	75-125	<15	
Thallium	10.0	9.41	94.1	10.0	9.38	93.8	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C3; Dup or Spiked Sample: 97269.21; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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
Arsenic	1.81	10.0	10.4	85.9	10.0	10.8	89.9	4.6	75-125	<15
Thallium	0.00	10.0	9.65	96.5	10.0	9.43	94.3	2.3	75-125	<15

QC Batch No: 0422191C3; Dup or Spiked Sample: 97269.21; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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	
Arsenic	10.0	8.33	83.3	10.0	8.94	89.4	7.1	75-125	<15	
Thallium	10.0	9.22	92.2	10.0	9.42	94.2	2.1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0422191C4; Dup or Spiked Sample: 97269.31; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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
Arsenic	3.04	10.0	11.5	84.6	10.0	12.1	90.6	6.8	75-125	<15
Thallium	0.00	10.0	9.32	93.2	10.0	9.47	94.7	1.6	75-125	<15

QC Batch No: 0422191C4; Dup or Spiked Sample: 97269.31; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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	
Arsenic	10.0	8.09	80.9	10.0	8.64	86.4	6.6	75-125	<15	
Thallium	10.0	9.02	90.2	10.0	9.18	91.8	1.8	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2; Dup or Spiked Sample: 97247.11; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;  
Units: ug/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
Aldrin	0.00	20.0	21.8	109	20.0	19.6	98.0	10.6	40-150	<40
4,4'-DDT (DDT)	41.5	50.0	132	181	50.0	110	137	27.7	40-150	<40
Dieldrin	0.253	50.0	61.3	122	50.0	53.8	107	13.1	40-150	<40
Endrin	5.57	50.0	71.1	131	50.0	61.6	112	15.6	40-150	<40
Heptachlor	0.00	20.0	22.0	110	20.0	20.0	100	9.5	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.0	105	20.0	19.1	95.5	9.5	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	29.0	116	25.0	24.8	99.2	15.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	27.8	111	25.0	25.5	102	8.5	30-150	<40

QC Batch No: 041819EB2; Dup or Spiked Sample: 97247.11; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;  
Units: ug/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	
Aldrin	20.0	13.8	69.0	20.0	15.2	76.0	9.7	50-150	<40	
4,4'-DDT (DDT)	50.0	47.6	95.2	50.0	45.2	90.4	5.2	50-150	<40	
Dieldrin	50.0	46.2	92.4	50.0	47.8	95.6	3.4	50-150	<40	
Endrin	50.0	45.7	91.4	50.0	46.2	92.4	1.1	50-150	<40	
Heptachlor	20.0	14.0	70.0	20.0	15.1	75.5	7.6	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	13.7	68.5	20.0	15.0	75.0	9.1	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	25.8	103	25.0	23.2	92.8	10.4	30-150	<40	
Tetrachloro-m-xylene	25.0	16.4	65.6	25.0	17.1	68.4	4.2	30-150	<40	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB1; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/23/2019;  
Units: ug/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
Aldrin	0.00	20.0	17.7	88.5	20.0	18.4	92.0	3.9	40-150	<40
4,4'-DDT (DDT)	0.548	50.0	45.1	89.1	50.0	48.9	96.7	8.2	40-150	<40
Dieldrin	0.160	50.0	46.2	92.1	50.0	48.7	97.1	5.3	40-150	<40
Endrin	0.00	50.0	47.3	94.6	50.0	51.0	102	7.5	40-150	<40
Heptachlor	0.00	20.0	17.9	89.5	20.0	18.9	94.5	5.4	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.434	20.0	17.9	87.3	20.0	18.7	91.3	4.5	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	22.5	90.0	25.0	24.1	96.4	6.9	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	23.1	92.4	25.0	23.2	92.8	<1	30-150	<40

QC Batch No: 041919EB1; Dup or Spiked Sample: 97269.01; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/23/2019;  
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	16.3	81.5	50-150						
4,4'-DDT (DDT)	50.0	38.7	77.4	50-150						
Dieldrin	50.0	46.2	92.4	50-150						
Endrin	50.0	41.0	82.0	50-150						
Heptachlor	20.0	15.6	78.0	50-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	15.5	77.5	50-150						
Surrogates										
Decachlorobiphenyl	25.0	24.1	96.4	30-150						
Tetrachloro-m-xylene	25.0	18.9	75.6	30-150						



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041919EB2; Dup or Spiked Sample: 97269.36; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/24/2019;  
Units: ug/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
Aldrin	0.00	20.0	15.4	77.0	20.0	18.2	91.0	16.7	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	28.0	56.0	50.0	33.1	66.2	16.7	40-150	<40
Dieldrin	0.00	50.0	42.5	85.0	50.0	49.5	99.0	15.2	40-150	<40
Endrin	0.00	50.0	37.9	75.8	50.0	44.0	88.0	14.9	40-150	<40
Heptachlor	0.00	20.0	14.2	71.0	20.0	17.1	85.5	18.5	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	14.6	73.0	20.0	17.0	85.0	15.2	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	21.8	87.2	25.0	24.0	96.0	9.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	16.7	66.8	25.0	21.7	86.8	26.0	30-150	<40

QC Batch No: 041919EB2; Dup or Spiked Sample: 97269.36; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/24/2019;  
Units: ug/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	
Aldrin	20.0	14.8	74.0	20.0	13.8	69.0	7.0	50-150	<40	
4,4'-DDT (DDT)	50.0	27.0	54.0	50.0	26.4	52.8	2.2	50-150	<40	
Dieldrin	50.0	43.6	87.2	50.0	44.5	89.0	2.0	50-150	<40	
Endrin	50.0	35.7	71.4	50.0	34.8	69.6	2.6	50-150	<40	
Heptachlor	20.0	13.8	69.0	20.0	12.7	63.5	8.3	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	14.2	71.0	20.0	13.5	67.5	5.1	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	23.3	93.2	25.0	22.9	91.6	1.7	30-150	<40	
Tetrachloro-m-xylene	25.0	18.2	72.8	25.0	15.6	62.4	15.4	30-150	<40	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041919ZB1; LCS: Clean Sand; LCS Prepared: 04/19/2019; LCS Analyzed: 04/19/2019; Units: ug/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	
Aroclor-1016 (PCB-1016)	500	416	83.2	500	397	79.4	4.7	50-150	<40	
Aroclor-1260 (PCB-1260)	500	530	106	500	550	110	3.7	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	37.5	150	25.0	36.5	146	2.7	30-150	<40	
Tetrachloro-m-xylene	25.0	34.5	138	25.0	35.0	140	1.4	30-150	<40	





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1; Dup or Spiked Sample: 97269.29; LCS: Clean Sand; QC Prepared: 04/18/2019; MS Analyzed: 04/19/2019;  
LCS Analyzed: 04/18/2019; Units: ug/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
Benzene	0.00	50.0	37.3 #	74.6	50.0	40.5	81.0	8.2	75-125	<20
Carbon tetrachloride	0.00	50.0	52.5	105	50.0	59.0	118	11.7	75-125	<20
Chlorobenzene	0.00	50.0	43.2	86.4	50.0	46.7	93.4	7.8	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	44.1	88.2	50.0	45.1	90.2	2.2	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	43.3	86.6	50.0	44.7	89.4	3.2	75-125	<20
1,1-Dichloroethane	0.00	50.0	46.8	93.6	50.0	49.1	98.2	4.8	75-125	<20
1,1-Dichloroethene	0.00	50.0	38.1	76.2	50.0	42.6	85.2	11.2	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	35.4 #	70.8	50.0	37.8	75.6	6.6	75-125	<20
Ethylbenzene	0.00	50.0	42.5	85.0	50.0	46.3	92.6	8.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	46.7	93.4	50.0	46.4	92.8	<1	75-125	<20
n-Propylbenzene	0.00	50.0	36.8 #	73.6	50.0	39.4	78.8	6.8	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	39.9	79.8	50.0	43.6	87.2	8.9	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	48.9	97.8	50.0	54.5	109	10.8	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	37.4 #	74.8	50.0	38.5	77.0	2.9	75-125	<20
Trichloroethene	0.00	50.0	43.6	87.2	50.0	46.6	93.2	6.7	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	43.3	86.6	50.0	45.5	91.0	5.0	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	42.4	84.8	50.0	44.7	89.4	5.3	75-125	<20
o-Xylene	0.00	50.0	43.1	86.2	50.0	46.6	93.2	7.8	75-125	<20
m,p-Xylenes	0.00	100	82.8	82.8	100	90.1	90.1	8.4	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	43.8	87.6	50.0	42.7	85.3	2.7	75-125	<20
Dibromofluoromethane	0.00	50.0	50.5	101	50.0	48.2	96.3	4.8	75-125	<20
Toluene-d8	0.00	50.0	46.9	93.8	50.0	47.0	94.0	<1	75-125	<20

QC Batch No: 0418192A1; Dup or Spiked Sample: 97269.29; LCS: Clean Sand; QC Prepared: 04/18/2019; MS Analyzed: 04/19/2019;  
LCS Analyzed: 04/18/2019; Units: ug/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
Benzene	50.0	46.0	92.0	50.0	45.0	90.0	2.2	75-125	<20
Carbon tetrachloride	50.0	62.5	125	50.0	62.5	125	<1	75-125	<20
Chlorobenzene	50.0	52.5	105	50.0	52.0	104	<1	75-125	<20
Chloroform (Trichloromethane)	50.0	49.8	99.6	50.0	50.5	101	1.4	75-125	<20



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1; Dup or Spiked Sample: 97269.29; LCS: Clean Sand; QC Prepared: 04/18/2019; MS Analyzed: 04/19/2019;  
LCS Analyzed: 04/18/2019; Units: ug/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	
1,2-Dichlorobenzene	50.0	53.0	106	50.0	52.5	105	<1	75-125	<20	
1,1-Dichloroethane	50.0	57.0	114	50.0	58.0	116	1.7	75-125	<20	
1,1-Dichloroethene	50.0	47.3	94.6	50.0	47.5	95.0	<1	75-125	<20	
cis-1,2-Dichloroethene	50.0	41.8	83.6	50.0	43.5	87.0	4.0	75-125	<20	
Ethylbenzene	50.0	52.0	104	50.0	52.0	104	<1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	60.0	120	50.0	60.0	120	<1	75-125	<20	
n-Propylbenzene	50.0	45.3	90.6	50.0	45.0	90.0	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	49.2	98.4	50.0	48.5	97.0	1.4	75-125	<20	
1,1,1-Trichloroethane	50.0	60.5	121	50.0	60.0	120	<1	75-125	<20	
1,1,2-Trichloroethane	50.0	49.2	98.4	50.0	47.5	95.0	3.5	75-125	<20	
Trichloroethene	50.0	53.5	107	50.0	53.5	107	<1	75-125	<20	
1,2,4-Trimethylbenzene	50.0	51.0	102	50.0	50.0	100	2.0	75-125	<20	
1,3,5-Trimethylbenzene	50.0	50.0	100	50.0	49.5	99.0	1.0	75-125	<20	
o-Xylene	50.0	52.5	105	50.0	52.0	104	<1	75-125	<20	
m,p-Xylenes	100	102	102	100	101	101	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	44.8	89.6	50.0	44.6	89.2	<1	75-125	<20	
Dibromofluoromethane	50.0	48.1	96.2	50.0	48.9	97.8	1.6	75-125	<20	
Toluene-d8	50.0	47.5	95.0	50.0	47.6	95.2	<1	75-125	<20	



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 82

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 041919DB1; Dup or Spiked Sample: 97267.06; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
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
TPH as Diesel (C13-C22)	0.00	500	485	97.0	500	486	97.2	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	103	103	100	104	104	<1	75-125	<20

QC Batch No: 041919DB1; Dup or Spiked Sample: 97267.06; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
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	
TPH as Diesel (C13-C22)	500	453	90.6	500	471	94.2	3.9	75-125	<20	
Surrogates										
Chlorobenzene	100	107	107	100	108	108	<1	75-125	<20	



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 83

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041819OB1; Dup or Spiked Sample: 97269.29AGA; LCS: Clean Sand; MS Prepared: 04/17/2019; LCS Prepared: 04/18/2019;  
MS Analyzed: 04/19/2019;  
LCS Analyzed: 04/18/2019; 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.892	89.2	1.00	0.887	88.7	<1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0580	116	0.0500	0.0585	117	<1	75-125	<20

QC Batch No: 041819OB1; Dup or Spiked Sample: 97269.29AGA; LCS: Clean Sand; MS Prepared: 04/17/2019; LCS Prepared: 04/18/2019;  
MS Analyzed: 04/19/2019;  
LCS Analyzed: 04/18/2019; 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	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.999	99.9	1.00	0.993	99.3	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	0.0500	0.0595	119	0.0500	0.0585	117	1.7	75-125	<20	



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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

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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 7  
Date Received 04/17/2019  
Date Reported 06/12/2019

Telephone: (626)351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School  
Site: Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

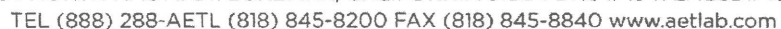
Enclosed please find results of analyses of 5 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Approved By:

Cyrus Razmara, Ph.D.  
Laboratory Director





## Page 1 of 3

RELINQUISHED BY SAMPLER:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>Nate Fox</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
Date: <i>04/17/19</i> Time: <i>1630</i>		Date: <i>[Signature]</i> Time: <i>[Signature]</i>		Date: <i>4-17-19</i> Time: <i>1740</i>	
RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY: LABORATORY:	3.
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>Sergey</i>	
Date: <i>4-17-19</i> Time: <i>1630</i>		Date: <i>[Signature]</i> Time: <i>[Signature]</i>		Date: <i>4/17/19</i> Time: <i>1740</i>	

**DISTRIBUTION:** WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

97269

112864

AETL JOB No.

Page 2 of 3

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Robert Schaler</b>		AETL JOB No.		Page 2 of 3	
COMPANY ADDRESS		PHONE		FAX		ANALYSIS REQUESTED	
PROJECT NAME		PROJECT # <b>02-14MB-T37254.02</b>		PO #		TEST INSTRUCTIONS & COMMENTS	
SITE NAME AND ADDRESS		MATRIX		CONTAINER NUMBER/SIZE		PRES.	
SAMPLE ID		LAB ID		DATE		TIME	
SB-25-0.5		97269.16		04/17/19		1020	
SB-25-1.0		97269.17		04/17/19		1021	
SB-25-2.0		97269.18		04/17/19		1022	
SB-28-0.5		97269.19		04/17/19		1035	
SB-28-1.0		97269.20		04/17/19		1036	
SB-28-2.0		97269.21		04/17/19		1037	
SB-26-0.5		97269.22		04/17/19		1105	
SB-26-1.0		97269.23		04/17/19		1106	
SB-26-2.0		97269.24		04/17/19		1107	
SB-31-0.5		97269.25		04/17/19		1115	
SB-31-1.0		97269.26		04/17/19		1116	
SB-31-2.0		97269.27		04/17/19		1117	
SB-42-3.0		97269.28		04/17/19		1130	
SB-42-5.0		97269.29		04/17/19		1131	
SB-42-9.0		97269.30		04/17/19		1132	
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY		RELINQUISHED BY SAMPLER:		RELINQUISHED BY:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS <b>27</b>		PROPERLY COOLED <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA		Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>	
CUSTODY SEALS <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA		SAMPLES INTACT <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA		Printed Name: <b>Nate Taylor</b>		Printed Name: <b>[Signature]</b>	
RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		Date: <b>04/17/19</b> Time: <b>1630</b>		Date: <b>4/17/19</b> Time: <b>1740</b>	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>	
		<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Printed Name: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>	
				Date: <b>4-17-19</b> Time: <b>1630</b>		Date: <b>4/17/19</b> Time: <b>1740</b>	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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## CHAIN OF CUSTODY RECORD

112867

97269

AETL JOB No.

Page 3 of 3

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Robert Sabater</b>		AETL JOB No. <b>11201</b>		Page <b>3</b> of <b>3</b>																	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS															
		FAX																					
PROJECT NAME		PROJECT #																					
SITE NAME AND ADDRESS		PO # <b>102-17M0-137254.02</b>																					
SAMPLE ID		LAB ID		DATE		TIME		MATRIX		CONTAINER NUMBER/SIZE		PRES.											
1 SB-32-a5		97269.31		04/17/14		1055		S		1													
2 SB-32-1.0		97269.32		04/17/14		1056		S		1													
3 SB-32-2.0		97269.33		04/17/14		1057		S		1													
4 SB-33-0.5		97269.34		04/17/14		1345		S		1													
5 SB-33-1.0		97269.35		04/17/14		1346		S		1													
6 SB-33-2.0		97269.36		04/17/14		1347		S		1													
7 SB-34-0.5		97269.37		04/17/14		1405		S		1													
8 SB-34-1.0		97269.38		04/17/14		1406		S		1													
9 SB-34-2.0		97269.39		04/17/14		1407		S		1													
10 SB-29-0.5		97269.40		04/17/14		1415		S		1													
11 SB-29-1.0		97269.41		04/17/14		1416		S		1													
12 SB-29-2.0		97269.42		04/17/14		1417		S		1													
13 EB-20190417-NT		97269.43		04/17/14		1500		W		1													
14 TB-2440417-NT		97269.44		04/17/14		0730		W		3													
15																							
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY												RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.							
TOTAL NUMBER OF CONTAINERS		5816		PROPERLY COOLED		Y/N/NA		Signature		Date		Time		Signature		Date		Time					
CUSTODY SEALS Y/N/NA				SAMPLES INTACT		Y/N/NA		Printed Name		Date		Time		Printed Name		Date		Time					
RECEIVED IN GOOD COND. Y/N				SAMPLES ACCEPTED		Y/N		Date		Time		Date		Time		Date		Time					
TURN AROUND TIME				DATA DELIVERABLE REQUIRED				RECEIVED BY: 1.				RECEIVED BY: 2.				RECEIVED BY: 3.							
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH				<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS				<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)				Signature				Signature				Signature			
								Printed Name				Printed Name				Printed Name							
								Date				Date				Date							
								Time				Time				Time							

**DISTRIBUTION:** WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



## JIM LIN

---

**From:** Sabater, Robert <Robert.Sabater@tetrattech.com>  
**Sent:** Tuesday, May 14, 2019 12:47 PM  
**To:** Jim Lin  
**Cc:** Nelson, Eric J  
**Subject:** Request for STLC and TCLP analyses  
**Attachments:** AETL\_Belvedere MS COC\_STLC\_TCLP.pdf

Jim,

Attached is are the COCs for the requested analyses as detailed below:

Sample ID	Lead	STLC (Lead)	TCLP (Lead)
SB-05-0.5	178	X	X
SB-18-0.5	94.7	X	
SB-19-0.5	50.8	X	
SB-20-1.0	64	X	
SB-20-2.0	94.8	X	
SB-22-0.5	66.5	X	
SB-23-1.0	82.8	X	
SB-31-0.5	66.8	X	
SB-31-1.0	81	X	
SB-33-0.5	79.8	X	
SB-34-0.5	80	X	
SB-34-1.0	109	X	X

Please let me know if you have any questions.

Regards,

**Robert M Sabater** | Project Manager  
Direct +1 (626) 470-2457 | Business +1 (626) 351-4664 | Mobile +1 (626) 429-0902 | [robert.sabater@tetrattech.com](mailto:robert.sabater@tetrattech.com)

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3475 E. Foothill Blvd., Pasadena, CA 91107 | [tetrattech.com](http://tetrattech.com)

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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 44 samples with the following specification on 04/17/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97269.43	EB-20190417-NT	04/17/2019	Aqueous	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	6010/7000CAM		04/24/2019	2	Normal	mg/L
97269.44	TB-20190417-NT	04/17/2019	Aqueous	3		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	8260B		04/24/2019	2	Normal	ug/L
	M8015G		04/24/2019	2	Normal	mg/L
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97269.01	SB-01-0.5	04/17/2019	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		04/24/2019	2	Normal	mg/Kg
	(6020) ^ AS-TL-1		04/24/2019	2	Normal	mg/Kg
	(8081A)		04/24/2019	2	Normal	ug/Kg
	(8082)		04/24/2019	2	Normal	ug/Kg
97269.02	SB-01-1.0	04/17/2019	Soil	1		
97269.03	SB-01-2.0	04/17/2019	Soil	1		
97269.04	SB-04-0.5	04/17/2019	Soil	1		
97269.05	SB-04-1.0	04/17/2019	Soil	1		
97269.06	SB-04-2.0	04/17/2019	Soil	1		
97269.07	SB-35-0.5	04/17/2019	Soil	1		
97269.08	SB-35-1.0	04/17/2019	Soil	1		
97269.09	SB-35-2.0	04/17/2019	Soil	1		
97269.10	SB-36-0.5	04/17/2019	Soil	1		
97269.11	SB-36-1.0	04/17/2019	Soil	1		
97269.12	SB-36-2.0	04/17/2019	Soil	1		

Continued



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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97269.13	SB-37-0.5	04/17/2019	Soil	1		
97269.14	SB-37-1.0	04/17/2019	Soil	1		
97269.15	SB-37-2.0	04/17/2019	Soil	1		
97269.16	SB-25-0.5	04/17/2019	Soil	1		
97269.17	SB-25-1.0	04/17/2019	Soil	1		
97269.18	SB-25-2.0	04/17/2019	Soil	1		
97269.19	SB-28-0.5	04/17/2019	Soil	1		
97269.20	SB-28-1.0	04/17/2019	Soil	1		
97269.21	SB-28-2.0	04/17/2019	Soil	1		
97269.22	SB-26-0.5	04/17/2019	Soil	1		
97269.23	SB-26-1.0	04/17/2019	Soil	1		
97269.24	SB-26-2.0	04/17/2019	Soil	1		
97269.27	SB-31-2.0	04/17/2019	Soil	1		
97269.31	SB-32-0.5	04/17/2019	Soil	1		
97269.32	SB-32-1.0	04/17/2019	Soil	1		
97269.33	SB-32-2.0	04/17/2019	Soil	1		
97269.35	SB-33-1.0	04/17/2019	Soil	1		
97269.36	SB-33-2.0	04/17/2019	Soil	1		
97269.39	SB-34-2.0	04/17/2019	Soil	1		
97269.40	SB-29-0.5	04/17/2019	Soil	5		
97269.41	SB-29-1.0	04/17/2019	Soil	5		
97269.42	SB-29-2.0	04/17/2019	Soil	5		
	<b>Method ^ Submethod</b>		<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010B/7000CAM)		04/24/2019	2	Normal	mg/Kg
	(6020) ^ AS-TL-1		04/24/2019	2	Normal	mg/Kg
	(8081A)		04/24/2019	2	Normal	ug/Kg
97269.25	SB-31-0.5	04/17/2019	Soil	1		
97269.26	SB-31-1.0	04/17/2019	Soil	1		
97269.34	SB-33-0.5	04/17/2019	Soil	1		

Continued



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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97269.37	SB-34-0.5	04/17/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B-STLC) ^ SCE-PB	04/24/2019	2	Normal	mg/L
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/24/2019	2	Normal	mg/Kg
(8081A)	04/24/2019	2	Normal	ug/Kg
97269.28	SB-42-3.0	04/17/2019	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(8081A)	04/24/2019	2	Normal	ug/Kg
(8082)	04/24/2019	2	Normal	ug/Kg
(8260B)	04/24/2019	2	Normal	ug/Kg
(M8015D) ^ C13-C40	04/24/2019	2	Normal	mg/Kg
(M8015G)	04/24/2019	2	Normal	mg/Kg
97269.29	SB-42-5.0	04/17/2019	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(8081A)	04/24/2019	2	Normal	ug/Kg
(8260B)	04/24/2019	2	Normal	ug/Kg
(M8015D) ^ C13-C40	04/24/2019	2	Normal	mg/Kg
(M8015G)	04/24/2019	2	Normal	mg/Kg
97269.30	SB-42-9.0	04/17/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	04/24/2019	2	Normal	--
97269.38	SB-34-1.0	04/17/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010/7000TCLP) ^ SCE-PB	04/24/2019	2	Normal	mg/L
(6010B-STLC) ^ SCE-PB	04/24/2019	2	Normal	mg/L
(6010B/7000CAM)	04/24/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/24/2019	2	Normal	mg/Kg
(8081A)	04/24/2019	2	Normal	ug/Kg

Continued



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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/17/2019

Date Reported 05/03/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97269	04/17/2019	T/T

### CERTIFICATE OF ANALYSIS

#### CASE NARRATIVE

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**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C4

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		05/17/2019				
Preparation Method		TITLE 22				
Date Analyzed		05/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.05	ND			





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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 3

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C4

Our Lab I.D.		97269.25	97269.26	97269.34	97269.37	97269.38
Client Sample I.D.		SB-31-0.5	SB-31-1.0	SB-33-0.5	SB-34-0.5	SB-34-1.0
Date Sampled		04/17/2019	04/17/2019	04/17/2019	04/17/2019	04/17/2019
Date Prepared		05/17/2019	05/17/2019	05/17/2019	05/17/2019	05/17/2019
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22
Date Analyzed		05/21/2019	05/21/2019	05/21/2019	05/21/2019	05/21/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (STLC)	0.50	0.50	2.75	4.53	7.54	5.11



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 4

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure for Lead

QC Batch No: 0517192C8

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			05/17/2019				
Preparation Method			1311				
Date Analyzed			05/21/2019				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead (TCLP)	0.05	0.05	ND				



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 5

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure for Lead

QC Batch No: 0517192C8

<b>Our Lab I.D.</b>		<b>97269.38</b>				
Client Sample I.D.		SB-34-1.0				
Date Sampled		04/17/2019				
Date Prepared		05/17/2019				
Preparation Method		1311				
Date Analyzed		05/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (TCLP)	0.50	0.50	ND			

Comment(s):

97269.38: Analyzed under dilution due to matrix interference



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 6

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure for Lead

QC Batch No: 0517192C8; Dup or Spiked Sample: 97240.31; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (TCLP)	ND	ND	<1	<20						

QC Batch No: 0517192C8; Dup or Spiked Sample: 97240.31; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
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	
Lead (TCLP)	10.0	8.62	86.2	10.0	8.56	85.6	<1	75-125	<20	



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97269	04/17/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C4; Dup or Spiked Sample: 97269.25; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	2.75	2.80	1.8	<20						

QC Batch No: 0517192C4; Dup or Spiked Sample: 97269.25; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
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	
Lead (STLC)	10.0	8.40	84.0	10.0	8.42	84.2	<1	75-125	<20	



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### Data Qualifiers and Descriptors

#### *Data Qualifier:*

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

#### *Definition:*

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



## AMERICAN ENVIRONMENTAL TESTING LABORATORY

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### Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 105  
Date Received 04/18/2019  
Date Reported 05/07/2019

Telephone: (626)351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School  
Site: Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 53 soil and 3 water 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





# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## CHAIN OF CUSTODY RECORD

112865

COMPANY <b>Tetra Tech</b>	PROJECT MANAGER <b>Robert Sabater</b>
COMPANY ADDRESS <b>301 E. Vandebilt way San Bernardino, Ca</b>	PHONE <b>92408</b>
PROJECT NAME <b>102-H16-T37054.02</b>	FAX
SITE NAME AND ADDRESS	PO #

AETL JOB No.

82604

97343

Page 1 of 4

ANALYSIS REQUESTED														TEST INSTRUCTIONS & COMMENTS		
	Asbestos	Thallium	6020	Tithe 22 CM 17 6010	7470A	organochlorine	pesticides	8081A	PCBs	8260B	Vols	8260B	TPH-gas	8015N	TPH-Carbon	8015N
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X	X	X	X	X	X				

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY			
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	<input checked="" type="radio"/> Y <input type="radio"/> N / NA
CUSTODY SEALS	<input checked="" type="radio"/> Y <input type="radio"/> N / NA	SAMPLES INTACT	<input checked="" type="radio"/> Y <input type="radio"/> N / NA
RECEIVED IN GOOD COND.	<input checked="" type="radio"/> Y <input type="radio"/> N	SAMPLES ACCEPTED	<input checked="" type="radio"/> Y <input type="radio"/> N
TURN AROUND TIME		DATA DELIVERABLE REQUIRED	
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)
		<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)

RELINQUISHED BY SAMPLER:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
Signature:		Signature:		Signature:	
Printed Name:		Printed Name:		Printed Name:	
Date:		Date:		Date:	
Time:		Time:		Time:	
RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY LABORATORY:	3.
Signature:		Signature:		Signature:	
Printed Name:		Printed Name:		Printed Name:	
Date:		Date:		Date:	
Time:		Time:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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

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## CHAIN OF CUSTODY RECORD

112840

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER		AETL JOB No. <b>97343</b>		Page <b>2</b> of <b>4</b>	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
		FAX					
PROJECT NAME		PROJECT # <b>101-HMS-T37254-02</b>					
SITE NAME AND ADDRESS		PO #					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED	TEST INSTRUCTIONS & COMMENTS
SB-17-1.0	97343-16	04/18/14	0831	S	1		X X X	97343.15
SB-17-2.0	97343-17	04/18/14	0832	S	1		X X X	97343.16
SB-21-0.5	97343-18	04/18/14	0840	S	1		X X X	97343.17
SB-21-0.5FD	97343-19	04/18/14	0840	S	1		X X X	97343.18
SB-21-1.0	97343-20	04/18/14	0841	S	1		X X X	97343.19
SB-21-2.0	97343-21	04/18/14	0842	S	1		X X X	97343.20
SB-16-0.5	97343-22	04/18/14	0905	S	1		X X X	97343.21
SB-16-0.5-FD	97343-23	04/18/14	0905	S	1		X X X	97343.22
SB-16-1.0	97343-24	04/18/14	0906	S	1		X X X	97343.23
SB-16-2.0	97343-25	04/18/14	0907	S	1		X X X	97343.24
SB-30-0.5	97343-26	04/18/14	0930	S	1		X X X	97343.25
SB-30-0.5-FD	97343-27	04/18/14	0930	S	1		X X X	97343.26
SB-30-1.0	97343-28	04/18/14	0931	S	1		X X X	97343.27
SB-30-2.0	97343-29	04/18/14	0932	S	1		X X X	97343.28
SB-13-0.5	97343-30	04/18/14	0950	S	1		X X X	97343.29

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:		RELINQUISHED BY:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED	CUSTODY SEALS	SAMPLES INTACT	SAMPLES ACCEPTED	Signature:	Signature:	Signature:	Signature:	Signature:
15	(Y) N / NA	(Y) N / NA	(Y) N / NA	(Y) N	<i>[Signature]</i>				
RECEIVED IN GOOD COND. (Y) N					Date: 04/18/14 Time: 1720	Date:	Time:	Date:	Time:

TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:		RECEIVED BY LABORATORY:	
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> HARD COPY	<input type="checkbox"/> PDF	Signature:	Signature:	Signature:	Signature:
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	<i>[Signature]</i>			<i>[Signature]</i>
						Date:	Time:	Date:	Time:





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## CHAIN OF CUSTODY RECORD

112841

COMPANY		PROJECT MANAGER		AETL JOB No.		Page 3 of 4	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		FAX		PROJECT #			
SITE NAME AND ADDRESS		PO #		102-HMS-537254.02			
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-13-0.5-FD	97345-31	04/18/19	0950	S	1		97343.30
SB-13-1.0	97343-32	04/18/19	0951	S	1		97343.31
SB-13-2.0	97343-33	04/18/19	0952	S	1		97343.32
SB-11-0.5	97343-34	04/18/19	1010	S	1		97343.33
SB-11-0.5-FD	97343-35	04/18/19	1010	S	1		97343.34
SB-11-1.0	97343-36	04/18/19	1011	S	1		97343.35
SB-11-2.0	97343-37	04/18/19	1012	S	1		97343.36
SB-12-0.5	97343-38	04/18/19	1025	S	1		97343.37
SB-12-0.5-FD	97343-39	04/18/19	1025	S	1		97343.38
SB-12-1.0	97343-40	04/18/19	1026	S	1		97343.39
SB-12-2.0	97343-41	04/18/19	1027	S	1		97343.40
SB-41-3.0	97343-42	04/18/19	1055	S	5		NO PCBs 97343.41
SB-41-3.0-FD	97343-43	04/18/19	1055	S	5		NO PCBs 97343.42
SB-41-5.0	97343-44	04/18/19	1056	S	5		97343.43
SB-41-9.0	97343-45	04/18/19	1057	S	5		97343.44

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY		RELINQUISHED BY SAMPLER:		RELINQUISHED BY:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS	31	PROPERLY COOLED	Y/N/NA	Signature:	Signature:	Signature:	Signature:
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA	Printed Name:	Printed Name:	Printed Name:	Printed Name:
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N	Date:	Date:	Date:	Date:
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:	
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	Signature:	Signature:	Signature:	Signature:
		<input type="checkbox"/> HARD COPY	<input type="checkbox"/> PDF	Printed Name:	Printed Name:	Printed Name:	Printed Name:
		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	Date:	Date:	Date:	Date:
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	Time:	Time:	Time:	Time:

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



## CHAIN OF CUSTODY RECORD

112842

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Robert Sabater</b>		AETL JOB No. <b>97343</b>		Page <b>4</b> of <b>4</b>	
COMPANY ADDRESS		PHONE		FAX		ANALYSIS REQUESTED	
PROJECT NAME		PROJECT # <b>102-H76-T37254.02</b>		PO #		TEST INSTRUCTIONS & COMMENTS	
SITE NAME AND ADDRESS							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-12-1.0-FD	97343-46	04/18/19	1026	S	1		
SB-14-0.5	97343-47	04/18/19	1350	S	1		
SB-14-0.5-FD	97343-48	04/18/19	1350	S	1		
SB-14-1.0	97343-49	04/18/19	1351	S	1		
SB-14-2.0	97343-50	04/18/19	1352	S	1		
SB-15-0.5	97343-51	04/18/19	1410	S	1		
SB-15-0.5-FD	97343-52	04/18/19	1410	S	1		
SB-15-1.0	97343-53	04/18/19	1411	S	1		
SB-15-2.0	97343-54	04/18/19	1412	S	1		
IDW	97343-55	04/18/19	1600	W	8		
IB-20190418-MT	97343-56	04/18/19	0700	W	3		
EB-20190418-MT	97343-57	04/18/19	1500	W	1		
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							
TOTAL NUMBER OF CONTAINERS		21	PROPERLY COOLED		Y / N / NA	RELINQUISHED BY SAMPLER: 1.	
CUSTODY SEALS Y (N) NA			SAMPLES INTACT		Y / N / NA	Signature: [Signature]	
RECEIVED IN GOOD COND. (Y) N			SAMPLES ACCEPTED		(Y) N	Printed Name: [Signature]	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY		Signature: [Signature]		Signature: [Signature]	
		<input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		Printed Name: [Signature]		Printed Name: [Signature]	
		<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF		Date: 04/18/19 Time: 1720		Date: [Blank] Time: [Blank]	
		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		RECEIVED BY: 3.		RECEIVED BY: 3.	
		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Signature: [Signature]		Signature: [Signature]	
				Printed Name: [Signature]		Printed Name: [Signature]	
				Date: [Blank] Time: [Blank]		Date: [Blank] Time: [Blank]	

**DISTRIBUTION:** WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>			
Project Name:			
AETL Job Number: <u>97343</u>			
Date Received: <u>4/18/19</u>		Received by: <u>Ann</u>	
Carrier: <input checked="" 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>2</u> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3°C</u> , No 2: <u>3.2°C</u> , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles,			
<input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify): <u>4x503S kit</u>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input checked="" type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ,			
<input checked="" type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <u>NaHSO<sub>4</sub>/H<sub>2</sub>O</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>		
2. Are the Sample labels legible?	<input checked="" type="checkbox"/>		
3. Do samples match the COC?	<input checked="" type="checkbox"/>		
4. Are the required analyses clear?	<input checked="" type="checkbox"/>		
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>		
6. Are samples sealed with evidence tape?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>		
8. Are samples preserved?	<input checked="" type="checkbox"/>		
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>		
10. Are the VOAs free of headspace?	<input checked="" type="checkbox"/>		
11. Are the jars free of headspace?	<input checked="" type="checkbox"/>		

Explain all "No" answers for above questions:

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Page: 1 A

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 56 samples with the following specification on 04/18/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97343.54	IDW	04/18/2019	Aqueous	8		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010/7000CAM	04/25/2019	2	Normal	mg/L	
	8260B	04/25/2019	2	Normal	ug/L	
	M8015D ^ C13-C40	04/25/2019	2	Normal	mg/L	
	M8015G	04/25/2019	2	Normal	mg/L	
97343.55	TB-20190418-NT	04/18/2019	Aqueous	3		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	8260B	04/25/2019	2	Normal	ug/L	
97343.56	EB-20190418-NT	04/18/2019	Aqueous	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010/7000CAM	04/25/2019	2	Normal	mg/L	
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97343.01	SB-27-0.5	04/18/2019	Soil	1		
97343.02	SB-27-0.5-FD	04/18/2019	Soil	1		
97343.03	SB-27-1.0	04/18/2019	Soil	1		
97343.04	SB-27-2.0	04/18/2019	Soil	1		
97343.05	SB-18-0.5	04/18/2019	Soil	1		
97343.06	SB-18-0.5-FD	04/18/2019	Soil	1		
97343.07	SB-18-1.0	04/18/2019	Soil	1		
97343.08	SB-18-2.0	04/18/2019	Soil	1		
97343.09	SB-19-0.5	04/18/2019	Soil	1		
97343.10	SB-19-0.5FD	04/18/2019	Soil	1		
97343.11	SB-19-1.0	04/18/2019	Soil	1		
97343.12	SB-19-2.0	04/18/2019	Soil	1		

Continued





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Page: 1 B

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97343.13	SB-17-0.5	04/18/2019	Soil	1
97343.14	SB-17-0.5FD	04/18/2019	Soil	1
97343.15	SB-17-1.0	04/18/2019	Soil	1
97343.16	SB-17-2.0	04/18/2019	Soil	1
97343.17	SB-21-0.5	04/18/2019	Soil	1
97343.18	SB-21-0.5FD	04/18/2019	Soil	1
97343.19	SB-21-1.0	04/18/2019	Soil	1
97343.20	SB-21-2.0	04/18/2019	Soil	1
97343.21	SB-16-0.5	04/18/2019	Soil	1
97343.22	SB-16-0.5-FD	04/18/2019	Soil	1
97343.23	SB-16-1.0	04/18/2019	Soil	1
97343.24	SB-16-2.0	04/18/2019	Soil	1
97343.25	SB-30-0.5	04/18/2019	Soil	1
97343.26	SB-30-0.5-FD	04/18/2019	Soil	1
97343.27	SB-30-1.0	04/18/2019	Soil	1
97343.28	SB-30-2.0	04/18/2019	Soil	1
97343.29	SB-13-0.5	04/18/2019	Soil	1
97343.30	SB-13-0.5-FD	04/18/2019	Soil	1
97343.31	SB-13-1.0	04/18/2019	Soil	1
97343.32	SB-13-2.0	04/18/2019	Soil	1
97343.33	SB-11-0.5	04/18/2019	Soil	1
97343.34	SB-11-0.5FD	04/18/2019	Soil	1
97343.35	SB-11-1.0	04/18/2019	Soil	1
97343.36	SB-11-2.0	04/18/2019	Soil	1
97343.46	SB-14-0.5	04/18/2019	Soil	1
97343.47	SB-14-0.5-FD	04/18/2019	Soil	1
97343.48	SB-14-1.0	04/18/2019	Soil	1
97343.49	SB-14-2.0	04/18/2019	Soil	1
97343.50	SB-15-0.5	04/18/2019	Soil	1

Continued



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

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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97343.51	SB-15-0.5-FD	04/18/2019	Soil	1
97343.52	SB-15-1.0	04/18/2019	Soil	1
97343.53	SB-15-2.0	04/18/2019	Soil	1
<b>Method ^ Submethod Req Date Priority TAT Units</b>				
(6010B/7000CAM)		04/25/2019	2	Normal mg/Kg
(6020) ^ AS-TL-1		04/25/2019	2	Normal mg/Kg
(8081A)		04/25/2019	2	Normal ug/Kg
97343.37	SB-12-0.5	04/18/2019	Soil	1
97343.38	SB-12-0.5-FD	04/18/2019	Soil	1
97343.39	SB-12-1.0	04/18/2019	Soil	1
97343.40	SB-12-2.0	04/18/2019	Soil	1
<b>Method ^ Submethod Req Date Priority TAT Units</b>				
(6010B/7000CAM)		04/25/2019	2	Normal mg/Kg
(6020) ^ AS-TL-1		04/25/2019	2	Normal mg/Kg
(8081A)		04/25/2019	2	Normal ug/Kg
(8082)		04/25/2019	2	Normal ug/Kg
97343.41	SB-41-3.0	04/18/2019	Soil	5
97343.42	SB-41-3.0-FD	04/18/2019	Soil	5
97343.43	SB-41-5.0	04/18/2019	Soil	5
97343.44	SB-41-9.0	04/18/2019	Soil	5
<b>Method ^ Submethod Req Date Priority TAT Units</b>				
(6010B/7000CAM)		04/25/2019	2	Normal mg/Kg
(8260B)		04/25/2019	2	Normal ug/Kg
(M8015D) ^ C13-C40		04/25/2019	2	Normal mg/Kg
(M8015G)		04/25/2019	2	Normal mg/Kg
97343.45	SB-12-1.0-FD	04/18/2019	Soil	1
<b>Method ^ Submethod Req Date Priority TAT Units</b>				
(8082)		04/25/2019	2	Normal ug/Kg

Continued





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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

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Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

### CERTIFICATE OF ANALYSIS

#### CASE NARRATIVE

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

### Site

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419192A2

Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Client Sample I.D.				SB-41-3.0	SB-41-3.0-FD	SB-41-5.0	SB-41-9.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/19/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			04/20/2019	04/20/2019	04/20/2019	04/20/2019	04/20/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.0	10.0	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419192A2

Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Client Sample I.D.				SB-41-3.0	SB-41-3.0-FD	SB-41-5.0	SB-41-9.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/19/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			04/20/2019	04/20/2019	04/20/2019	04/20/2019	04/20/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.0	5.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419192A2

Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Client Sample I.D.				SB-41-3.0	SB-41-3.0-FD	SB-41-5.0	SB-41-9.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/19/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			04/20/2019	04/20/2019	04/20/2019	04/20/2019	04/20/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		88.3	89.5	87.8	89.0	88.1
Dibromofluoromethane	75-125		104	107	106	106	107
Toluene-d8	75-125		95.8	95.7	95.8	96.0	96.5



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### ANALYTICAL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0419190B2

Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Client Sample I.D.				SB-41-3.0	SB-41-3.0-FD	SB-41-5.0	SB-41-9.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/19/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			04/20/2019	04/20/2019	04/20/2019	04/20/2019	04/20/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		112	118	119	117	115



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 042219PB1

Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Client Sample I.D.				SB-41-3.0	SB-41-3.0-FD	SB-41-5.0	SB-41-9.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/22/2019	04/23/2019	04/23/2019	04/22/2019	04/22/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		117	115	115	110	109



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## ANALYTICAL RESULTS

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1

Our Lab I.D.			Method Blank	97343.01	97343.02	97343.03	97343.04
Client Sample I.D.				SB-27-0.5	SB-27-0.5-FD	SB-27-1.0	SB-27-2.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	5.70	15.9	26.6	16.5
Chlordane (alpha)	1.0	2.0	ND	3.09	9.18	12.4	7.34
4,4'-DDD (DDD)	1.0	2.0	ND	ND	1.31J	2.80	ND
4,4'-DDE (DDE)	1.0	2.0	ND	34.2	53.9	44.2	1.09J
4,4'-DDT (DDT)	1.0	2.0	ND	35.6	9.54	27.9	1.75J
Dieldrin	1.0	2.0	ND	6.40	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	7.28	9.55	5.25	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	2.61	6.74	14.2	9.12
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97343.01	97343.02	97343.03	97343.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		82.0	106	105	112	117
Tetrachloro-m-xylene	30-150		59.6	119	112	122	121





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## ANALYTICAL RESULTS

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
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### Site

Belvedere Middle School  
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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1

Our Lab I.D.			97343.05	97343.06	97343.07	97343.08	97343.09
Client Sample I.D.			SB-18-0.5	SB-18-0.5-FD	SB-18-1.0	SB-18-2.0	SB-19-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	6.14	18.0	ND	ND	ND
Chlordane (alpha)	1.0	2.0	2.39	8.34	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	1.08J	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	16.1	14.3	ND	ND	4.78
4,4'-DDT (DDT)	1.0	2.0	21.5	12.2	ND	ND	7.24
Dieldrin	1.0	2.0	1.22J	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	3.12	1.75J	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	3.75	9.64	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	1.12J	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.05	97343.06	97343.07	97343.08	97343.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		89.6	105	90.8	79.6	89.2
Tetrachloro-m-xylene	30-150		90.0	107	86.0	99.2	128



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## ANALYTICAL RESULTS

### Ordered By

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### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1

Our Lab I.D.			97343.10	97343.11	97343.12	97343.13	97343.14
Client Sample I.D.			SB-19-0.5FD	SB-19-1.0	SB-19-2.0	SB-17-0.5	SB-17-0.5FD
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	19.0	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	28.8	1.32J	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.10	97343.11	97343.12	97343.13	97343.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		116	109	101	122	116
Tetrachloro-m-xylene	30-150		121	122	120	124	128



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### ANALYTICAL RESULTS

#### Ordered By

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#### Site

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312 N. Record Ave.  
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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1

Our Lab I.D.			97343.15	97343.16			
Client Sample I.D.			SB-17-1.0	SB-17-2.0			
Date Sampled			04/18/2019	04/18/2019			
Date Prepared			04/22/2019	04/22/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/25/2019	04/25/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	ND			
4,4'-DDT (DDT)	1.0	2.0	ND	1.03J			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan I	1.0	2.0	ND	ND			
Endosulfan II	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	25.0	50.0	ND	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.15	97343.16			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		107	115			
Tetrachloro-m-xylene	30-150		122	116			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1

Our Lab I.D.		97343.17	97343.18			
Client Sample I.D.		SB-21-0.5	SB-21-0.5FD			
Date Sampled		04/18/2019	04/18/2019			
Date Prepared		04/22/2019	04/22/2019			
Preparation Method		3550B	3550B			
Date Analyzed		04/25/2019	04/25/2019			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		5	5			
Analytes	MDL	PQL	Results	Results		
Aldrin	5	10	ND	ND		
Chlordane (Total)	5	10	ND	ND		
Chlordane (alpha)	5	10	ND	ND		
4,4'-DDD (DDD)	5	10	ND	ND		
4,4'-DDE (DDE)	5	10	ND	ND		
4,4'-DDT (DDT)	5	10	ND	ND		
Dieldrin	5	10	ND	ND		
Endosulfan 1	5	10	ND	ND		
Endosulfan 11	5	10	ND	ND		
Endosulfan sulfate	5	10	ND	ND		
Endrin	5	10	ND	ND		
Endrin aldehyde	5	10	ND	ND		
Endrin ketone	5	10	ND	ND		
Chlordane (gamma)	5	10	ND	ND		
Heptachlor	5	10	ND	ND		
Heptachlor epoxide	5	10	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND	ND		
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND	ND		
Methoxychlor	25	50	ND	ND		
Toxaphene	125	250	ND	ND		

Comment(s):

97343.17: Analyzed under dilution due to matrix interference 97343.18: Analyzed under dilution due to matrix interference



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.17	97343.18			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		109	95.6			
Tetrachloro-m-xylene	30-150		120	120			





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1

Our Lab I.D.			97343.19	97343.20			
Client Sample I.D.			SB-21-1.0	SB-21-2.0			
Date Sampled			04/18/2019	04/18/2019			
Date Prepared			04/22/2019	04/22/2019			
Preparation Method			3550B	3550B			
Date Analyzed			04/25/2019	04/25/2019			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	ND			
Chlordane (alpha)	1.0	2.0	ND	ND			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	ND			
4,4'-DDT (DDT)	1.0	2.0	ND	ND			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	ND			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	25.0	50.0	ND	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.19	97343.20			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		97.2	96.8			
Tetrachloro-m-xylene	30-150		115	113			



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## ANALYTICAL RESULTS

### Ordered By

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Attn: Robert Sabater

Page: 19

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB2

Our Lab I.D.			Method Blank	97343.21	97343.22	97343.23	97343.24
Client Sample I.D.				SB-16-0.5	SB-16-0.5-FD	SB-16-1.0	SB-16-2.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	11.4	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	4.60	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	5.07	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	8.74	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	6.75	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

#### Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97343.21	97343.22	97343.23	97343.24
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		75.2	110	122	117	110
Tetrachloro-m-xylene	30-150		51.2	120	121	122	114



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB2

Our Lab I.D.			97343.25	97343.26	97343.27	97343.28	97343.29
Client Sample I.D.			SB-30-0.5	SB-30-0.5-FD	SB-30-1.0	SB-30-2.0	SB-13-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	1.44J	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	3.33	5.49	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	619	818	21.3	4.45	ND
4,4'-DDT (DDT)	1.0	2.0	50.0	39.8	1.35J	1.09J	ND
Dieldrin	1.0	2.0	9.73	11.5	1.83J	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	1.29J	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.25	97343.26	97343.27	97343.28	97343.29
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		110	112	131	135	111
Tetrachloro-m-xylene	30-150		115	111	129	140	117



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## ANALYTICAL RESULTS

### Ordered By

### Site

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
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Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB2

Our Lab I.D.			97343.30	97343.31	97343.32	97343.33	97343.34
Client Sample I.D.			SB-13-0.5-FD	SB-13-1.0	SB-13-2.0	SB-11-0.5	SB-11-0.5FD
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.30	97343.31	97343.32	97343.33	97343.34
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		100	120	117	119	103
Tetrachloro-m-xylene	30-150		107	116	111	114	104





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### ANALYTICAL RESULTS

#### Ordered By

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#### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB2

Our Lab I.D.			97343.35	97343.36	97343.37	97343.38	97343.39
Client Sample I.D.			SB-11-1.0	SB-11-2.0	SB-12-0.5	SB-12-0.5-FD	SB-12-1.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/22/2019	04/22/2019	04/22/2019	04/22/2019	04/22/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.35	97343.36	97343.37	97343.38	97343.39
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		100	112	107	106	122
Tetrachloro-m-xylene	30-150		93.2	106	98.4	100	109



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### ANALYTICAL RESULTS

#### Ordered By

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#### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB2

Our Lab I.D.		97343.40					
Client Sample I.D.		SB-12-2.0					
Date Sampled		04/18/2019					
Date Prepared		04/22/2019					
Preparation Method		3550B					
Date Analyzed		04/25/2019					
Matrix		Soil					
Units		ug/Kg					
Dilution Factor		1					
Analytes	MDL	PQL	Results				
Aldrin	1.0	2.0	ND				
Chlordane (Total)	1.0	2.0	ND				
Chlordane (alpha)	1.0	2.0	ND				
4,4'-DDD (DDD)	1.0	2.0	ND				
4,4'-DDE (DDE)	1.0	2.0	ND				
4,4'-DDT (DDT)	1.0	2.0	ND				
Dieldrin	1.0	2.0	ND				
Endosulfan 1	1.0	2.0	ND				
Endosulfan 11	1.0	2.0	ND				
Endosulfan sulfate	1.0	2.0	ND				
Endrin	1.0	2.0	ND				
Endrin aldehyde	1.0	2.0	ND				
Endrin ketone	1.0	2.0	ND				
Chlordane (gamma)	1.0	2.0	ND				
Heptachlor	1.0	2.0	ND				
Heptachlor epoxide	1.0	2.0	ND				
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND				
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND				
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND				
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND				
Methoxychlor	5.0	10.0	ND				
Toxaphene	25.0	50.0	ND				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.40				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		122				
Tetrachloro-m-xylene	30-150		111				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042319EB

Our Lab I.D.			Method Blank	97343.46	97343.47	97343.48	97343.49
Client Sample I.D.				SB-14-0.5	SB-14-0.5-FD	SB-14-1.0	SB-14-2.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/26/2019	04/26/2019	04/26/2019	04/26/2019	04/26/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	1.02J	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	25.0	50.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

#### Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97343.46	97343.47	97343.48	97343.49
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		114	92.8	88.8	95.6	113
Tetrachloro-m-xylene	30-150		109	88.0	82.8	96.4	69.6



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Telephone: (626)351-4664

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042319EB

Our Lab I.D.			97343.50	97343.51	97343.52	97343.53	
Client Sample I.D.			SB-15-0.5	SB-15-0.5-FD	SB-15-1.0	SB-15-2.0	
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			04/26/2019	04/26/2019	04/26/2019	04/26/2019	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	7.21	10.8	ND	ND	
Chlordane (alpha)	1.0	2.0	3.86	5.08	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	1.76J	ND	ND	ND	
Dieldrin	1.0	2.0	ND	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	3.35	5.70	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	25.0	50.0	ND	ND	ND	ND	



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			97343.50	97343.51	97343.52	97343.53	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		96.0	96.4	104	99.2	
Tetrachloro-m-xylene	30-150		64.4	74.8	72.0	78.0	





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## ANALYTICAL RESULTS

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 042519ZB1

Our Lab I.D.			Method Blank	97343.37	97343.38	97343.39	97343.40
Client Sample I.D.				SB-12-0.5	SB-12-0.5-FD	SB-12-1.0	SB-12-2.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	97343.37	97343.38	97343.39	97343.40
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		123	143	138	136	140
Tetrachloro-m-xylene	30-150		106	119	142	100	116



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 042519ZB1

<b>Our Lab I.D.</b>			97343.45				
Client Sample I.D.			SB-12-1.0-FD				
Date Sampled			04/18/2019				
Date Prepared			04/25/2019				
Preparation Method			3550B				
Date Analyzed			04/25/2019				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Aroclor-1016 (PCB-1016)	20.0	50.0	ND				
Aroclor-1221 (PCB-1221)	20.0	50.0	ND				
Aroclor-1232 (PCB-1232)	20.0	50.0	ND				
Aroclor-1242 (PCB-1242)	20.0	50.0	ND				
Aroclor-1248 (PCB-1248)	20.0	50.0	ND				
Aroclor-1254 (PCB-1254)	20.0	50.0	ND				
Aroclor-1260 (PCB-1260)	20.0	50.0	ND				
Aroclor-1262 (PCB-1262)	20.0	50.0	ND				
Aroclor-1268 (PCB-1268)	20.0	50.0	ND				
<b>Our Lab I.D.</b>			97343.45				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
Decachlorobiphenyl	30-150		102				
Tetrachloro-m-xylene	30-150		103				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C2

Our Lab I.D.			Method Blank	97343.01	97343.02	97343.03	97343.04
Client Sample I.D.				SB-27-0.5	SB-27-0.5-FD	SB-27-1.0	SB-27-2.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	109	98.9	127	104
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	20.3	19.2	19.6	20.4
Cobalt	2.5	5.0	ND	9.11	7.91	9.53	7.49
Copper	2.5	5.0	ND	11.2	12.5	15.8	10.9
Lead	2.5	5.0	ND	13.7	21.0	46.4	37.9
Mercury (By EPA 7471)	0.1	0.2	ND	0.103J	0.106J	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	12.4	12.2	14.0	13.0
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	40.3	36.8	36.8	38.1
Zinc	2.5	5.0	ND	60.5	72.8	89.2	52.6



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### Site

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C2

Our Lab I.D.			97343.05	97343.06	97343.07	97343.08	97343.09
Client Sample I.D.			SB-18-0.5	SB-18-0.5-FD	SB-18-1.0	SB-18-2.0	SB-19-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	110	107	58.7	83.4	147
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	19.3	19.2	9.99	16.1	22.6
Cobalt	2.5	5.0	8.89	8.96	5.50	6.48	10.9
Copper	2.5	5.0	21.2	18.3	12.3	9.38	26.1
Lead	2.5	5.0	94.7	59.1	13.2	3.30J	50.8
Mercury (By EPA 7471)	0.1	0.2	0.138J	0.192J	0.146J	0.199J	0.116J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	14.5	14.5	7.27	9.52	19.4
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	33.4	36.4	25.2	35.6	40.6
Zinc	2.5	5.0	132	100	42.2	35.5	117



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### ANALYTICAL RESULTS

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Page: 37

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C2

Our Lab I.D.		97343.10					
Client Sample I.D.		SB-19-0.5FD					
Date Sampled		04/18/2019					
Date Prepared		04/23/2019					
Preparation Method		3050B					
Date Analyzed		04/24/2019					
Matrix		Soil					
Units		mg/Kg					
Dilution Factor		1					
Analytes	MDL	PQL	Results				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	132				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	23.8				
Cobalt	2.5	5.0	10.5				
Copper	2.5	5.0	29.6				
Lead	2.5	5.0	58.8				
Mercury (By EPA 7471)	0.1	0.2	0.117J				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	20.2				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	43.2				
Zinc	2.5	5.0	137				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C3

Our Lab I.D.			Method Blank	97343.11	97343.12	97343.13	97343.14
Client Sample I.D.				SB-19-1.0	SB-19-2.0	SB-17-0.5	SB-17-0.5FD
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	138	151	148	141
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	21.1	25.8	24.9	25.5
Cobalt	2.5	5.0	ND	11.5	11.7	14.6	10.8
Copper	2.5	5.0	ND	17.6	18.2	13.6	12.2
Lead	2.5	5.0	ND	7.34	7.32	3.21J	3.28J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	18.0	22.3	19.4	16.6
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	42.8	50.2	49.8	48.9
Zinc	2.5	5.0	ND	67.9	61.9	48.5	44.0



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C3

Our Lab I.D.			97343.15	97343.16	97343.17	97343.18	97343.19
Client Sample I.D.			SB-17-1.0	SB-17-2.0	SB-21-0.5	SB-21-0.5FD	SB-21-1.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	101	99.6	89.6	89.2	107
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	15.7	15.6	13.3	17.6	17.7
Cobalt	2.5	5.0	10.5	9.98	6.46	7.05	8.70
Copper	2.5	5.0	11.1	11.1	12.7	14.0	567
Lead	2.5	5.0	2.73J	3.80J	14.2	18.4	18.5
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	0.164J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	10.7	10.9	13.1	12.7	12.2
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	31.2	31.6	28.9	29.6	33.8
Zinc	2.5	5.0	32.1	32.8	50.5	57.5	111



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C3

<b>Our Lab I.D.</b>			<b>97343.20</b>				
Client Sample I.D.			SB-21-2.0				
Date Sampled			04/18/2019				
Date Prepared			04/23/2019				
Preparation Method			3050B				
Date Analyzed			04/24/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	98.7				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	16.3				
Cobalt	2.5	5.0	9.02				
Copper	2.5	5.0	10.8				
Lead	2.5	5.0	7.39				
Mercury (By EPA 7471)	0.1	0.2	ND				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	10.0				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	29.7				
Zinc	2.5	5.0	41.5				





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C4

Our Lab I.D.			Method Blank	97343.21	97343.22	97343.23	97343.24
Client Sample I.D.				SB-16-0.5	SB-16-0.5-FD	SB-16-1.0	SB-16-2.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	78.3	96.4	101	115
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	13.1	15.5	27.4	18.6
Cobalt	2.5	5.0	ND	6.97	8.19	8.82	9.38
Copper	2.5	5.0	ND	11.7	15.3	12.5	14.7
Lead	2.5	5.0	ND	12.2	19.2	12.8	24.2
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	0.143J	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	10.7	12.8	14.7	13.0
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	28.6	30.9	44.8	34.2
Zinc	2.5	5.0	ND	161	898	62.0	63.7



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C4

Our Lab I.D.			97343.25	97343.26	97343.27	97343.28	97343.29
Client Sample I.D.			SB-30-0.5	SB-30-0.5-FD	SB-30-1.0	SB-30-2.0	SB-13-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	124	125	154	174	105
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	28.6	30.1	27.8	28.7	18.7
Cobalt	2.5	5.0	10.7	10.6	12.1	12.8	11.4
Copper	2.5	5.0	28.6	25.6	16.8	16.0	13.8
Lead	2.5	5.0	33.0	29.0	5.81	ND	6.40
Mercury (By EPA 7471)	0.1	0.2	0.231	0.156J	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	20.5	20.4	22.8	24.8	14.8
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	45.7	46.9	54.0	57.2	39.0
Zinc	2.5	5.0	330	257	102	59.5	48.8



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C4

<b>Our Lab I.D.</b>			<b>97343.30</b>				
Client Sample I.D.			SB-13-0.5-FD				
Date Sampled			04/18/2019				
Date Prepared			04/23/2019				
Preparation Method			3050B				
Date Analyzed			04/24/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	88.4				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	14.7				
Cobalt	2.5	5.0	8.68				
Copper	2.5	5.0	10.8				
Lead	2.5	5.0	4.77J				
Mercury (By EPA 7471)	0.1	0.2	ND				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	8.98				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	29.0				
Zinc	2.5	5.0	32.7				



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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C5

Our Lab I.D.			Method Blank	97343.31	97343.32	97343.33	97343.34
Client Sample I.D.				SB-13-1.0	SB-13-2.0	SB-11-0.5	SB-11-0.5FD
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	124	125	103	94.5
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	19.5	23.4	16.3	12.2
Cobalt	2.5	5.0	ND	11.2	11.4	9.71	7.38
Copper	2.5	5.0	ND	14.3	12.3	13.4	10.5
Lead	2.5	5.0	ND	3.37J	3.02J	8.18	9.14
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	14.9	15.8	11.8	8.43
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	39.0	46.1	32.3	25.2
Zinc	2.5	5.0	ND	40.8	40.5	42.9	38.1



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C5

Our Lab I.D.			97343.35	97343.36	97343.37	97343.38	97343.39
Client Sample I.D.			SB-11-1.0	SB-11-2.0	SB-12-0.5	SB-12-0.5-FD	SB-12-1.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	113	105	101	90.4	56.9
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	18.4	21.9	18.2	16.9	12.0
Cobalt	2.5	5.0	10.7	11.0	9.92	8.10	4.91J
Copper	2.5	5.0	13.9	13.9	13.3	12.0	7.23
Lead	2.5	5.0	3.20J	2.57J	11.6	16.1	3.57J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	0.171J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	14.1	15.6	14.2	12.1	8.01
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	36.0	42.0	37.5	34.2	27.0
Zinc	2.5	5.0	37.9	40.6	55.3	50.8	31.6



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### ANALYTICAL RESULTS

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**Site**

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C5

<b>Our Lab I.D.</b>			<b>97343.40</b>				
Client Sample I.D.			SB-12-2.0				
Date Sampled			04/18/2019				
Date Prepared			04/23/2019				
Preparation Method			3050B				
Date Analyzed			04/24/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	87.0				
Beryllium	1.0	2.5	ND				
Cadmium	1.0	2.5	ND				
Chromium	2.5	5.0	18.1				
Cobalt	2.5	5.0	9.36				
Copper	2.5	5.0	7.07				
Lead	2.5	5.0	ND				
Mercury (By EPA 7471)	0.1	0.2	0.127J				
Molybdenum	2.0	5.0	ND				
Nickel	2.5	5.0	9.70				
Selenium	1.0	5.0	ND				
Silver	2.0	5.0	ND				
Thallium	0.7	5.0	ND				
Vanadium	2.5	5.0	35.8				
Zinc	2.5	5.0	31.7				



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### ANALYTICAL RESULTS

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Page: 47

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C6

Our Lab I.D.			Method Blank	97343.41	97343.42	97343.43	97343.44
Client Sample I.D.				SB-41-3.0	SB-41-3.0-FD	SB-41-5.0	SB-41-9.0
Date Sampled				04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	68.0	60.7	27.7	34.0
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	15.9	15.5	6.69	8.58
Cobalt	2.5	5.0	ND	5.78	5.89	3.88J	3.85J
Copper	2.5	5.0	ND	9.20	10.4	7.63	6.31
Lead	2.5	5.0	ND	ND	ND	ND	ND
Mercury (By EPA 7471)	0.1	0.2	ND	0.340	0.352	0.260	0.171J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	9.15	9.05	4.58J	6.41
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	33.1	31.2	19.7	19.9
Zinc	2.5	5.0	ND	33.9	32.7	28.0	27.6



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## ANALYTICAL RESULTS

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C6

Our Lab I.D.			97343.46	97343.47	97343.48	97343.49	97343.50
Client Sample I.D.			SB-14-0.5	SB-14-0.5-FD	SB-14-1.0	SB-14-2.0	SB-15-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/24/2019	04/24/2019	04/24/2019	04/24/2019	04/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	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	95.2	104	127	117	121
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	16.1	16.6	18.1	22.1	24.2
Cobalt	2.5	5.0	9.39	8.96	9.88	11.5	9.01
Copper	2.5	5.0	15.5	14.2	15.6	15.2	15.4
Lead	2.5	5.0	10.2	11.9	3.27J	2.61J	19.3
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	9.53	13.8	15.2	18.5	21.9
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	32.2	33.7	35.4	43.5	35.8
Zinc	2.5	5.0	113	83.2	51.5	47.0	76.9





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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C6

Our Lab I.D.			97343.51	97343.52	97343.53		
Client Sample I.D.			SB-15-0.5-FD	SB-15-1.0	SB-15-2.0		
Date Sampled			04/18/2019	04/18/2019	04/18/2019		
Date Prepared			04/23/2019	04/23/2019	04/23/2019		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			04/24/2019	04/24/2019	04/24/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	ND	ND		
Barium	2.5	5.0	109	123	118		
Beryllium	1.0	2.5	ND	ND	ND		
Cadmium	1.0	2.5	ND	ND	ND		
Chromium	2.5	5.0	18.7	19.7	19.2		
Cobalt	2.5	5.0	8.85	10.7	10.3		
Copper	2.5	5.0	14.8	15.3	15.4		
Lead	2.5	5.0	20.8	7.64	3.57J		
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND		
Molybdenum	2.0	5.0	ND	ND	ND		
Nickel	2.5	5.0	14.9	16.1	15.8		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.0	5.0	ND	ND	ND		
Thallium	0.7	5.0	ND	ND	ND		
Vanadium	2.5	5.0	36.5	38.3	38.1		
Zinc	2.5	5.0	67.0	58.5	46.9		



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### ANALYTICAL RESULTS

**Ordered By**

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C2

Our Lab I.D.		Method Blank	97343.01	97343.02	97343.03	97343.04
Client Sample I.D.			SB-27-0.5	SB-27-0.5-FD	SB-27-1.0	SB-27-2.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared		04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	3.27	3.13	3.27
Thallium	0.30	1.00	ND	ND	ND	ND



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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C2

Our Lab I.D.			97343.05	97343.06	97343.07	97343.08	97343.09
Client Sample I.D.			SB-18-0.5	SB-18-0.5-FD	SB-18-1.0	SB-18-2.0	SB-19-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	3.64	3.60	2.27	2.30	4.76
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C2

<b>Our Lab I.D.</b>		<b>97343.10</b>				
Client Sample I.D.		SB-19-0.5FD				
Date Sampled		04/18/2019				
Date Prepared		04/23/2019				
Preparation Method		3050B				
Date Analyzed		04/25/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Arsenic	0.10	1.00	7.49			
Thallium	0.30	1.00	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C3

Our Lab I.D.		Method Blank	97343.11	97343.12	97343.13	97343.14
Client Sample I.D.			SB-19-1.0	SB-19-2.0	SB-17-0.5	SB-17-0.5FD
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared		04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	3.52	3.80	2.72
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C3

Our Lab I.D.			97343.15	97343.16	97343.17	97343.18	97343.19
Client Sample I.D.			SB-17-1.0	SB-17-2.0	SB-21-0.5	SB-21-0.5FD	SB-21-1.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	1.80	1.67	3.19	3.10	2.43
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C3

<b>Our Lab I.D.</b>		<b>97343.20</b>				
Client Sample I.D.		SB-21-2.0				
Date Sampled		04/18/2019				
Date Prepared		04/23/2019				
Preparation Method		3050B				
Date Analyzed		04/25/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Arsenic	0.10	1.00	1.95			
Thallium	0.30	1.00	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C4

Our Lab I.D.		Method Blank	97343.21	97343.22	97343.23	97343.24
Client Sample I.D.			SB-16-0.5	SB-16-0.5-FD	SB-16-1.0	SB-16-2.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared		04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	3.01	4.04	2.53
Thallium	0.30	1.00	ND	ND	ND	ND





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C4

Our Lab I.D.			97343.25	97343.26	97343.27	97343.28	97343.29
Client Sample I.D.			SB-30-0.5	SB-30-0.5-FD	SB-30-1.0	SB-30-2.0	SB-13-0.5
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	8.40	8.71	4.25	3.49	2.14
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C4

<b>Our Lab I.D.</b>		<b>97343.30</b>				
Client Sample I.D.		SB-13-0.5-FD				
Date Sampled		04/18/2019				
Date Prepared		04/23/2019				
Preparation Method		3050B				
Date Analyzed		04/25/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Arsenic	0.10	1.00	1.61			
Thallium	0.30	1.00	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C5

Our Lab I.D.		Method Blank	97343.31	97343.32	97343.33	97343.34
Client Sample I.D.			SB-13-1.0	SB-13-2.0	SB-11-0.5	SB-11-0.5FD
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared		04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	3.13	3.21	2.53
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C5

Our Lab I.D.			97343.35	97343.36	97343.37	97343.38	97343.39
Client Sample I.D.			SB-11-1.0	SB-11-2.0	SB-12-0.5	SB-12-0.5-FD	SB-12-1.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared			04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Arsenic	0.10	1.00	2.57	2.83	2.36	2.45	2.13
Thallium	0.30	1.00	ND	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C5

<b>Our Lab I.D.</b>		<b>97343.40</b>				
Client Sample I.D.		SB-12-2.0				
Date Sampled		04/18/2019				
Date Prepared		04/23/2019				
Preparation Method		3050B				
Date Analyzed		04/25/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Arsenic	0.10	1.00	1.87			
Thallium	0.30	1.00	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C6

Our Lab I.D.		Method Blank	97343.46	97343.47	97343.48	97343.49
Client Sample I.D.			SB-14-0.5	SB-14-0.5-FD	SB-14-1.0	SB-14-2.0
Date Sampled			04/18/2019	04/18/2019	04/18/2019	04/18/2019
Date Prepared		04/23/2019	04/23/2019	04/23/2019	04/23/2019	04/23/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		04/25/2019	04/25/2019	04/25/2019	04/25/2019	04/25/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	ND	2.86	2.86	2.78
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C6

Our Lab I.D.		97343.50	97343.51	97343.52	97343.53	
Client Sample I.D.		SB-15-0.5	SB-15-0.5-FD	SB-15-1.0	SB-15-2.0	
Date Sampled		04/18/2019	04/18/2019	04/18/2019	04/18/2019	
Date Prepared		04/23/2019	04/23/2019	04/23/2019	04/23/2019	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		04/25/2019	04/25/2019	04/25/2019	04/25/2019	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Arsenic	0.10	1.00	4.19	4.37	2.77	2.24
Thallium	0.30	1.00	ND	ND	ND	ND



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			04/19/2019				
Preparation Method			5030B				
Date Analyzed			04/19/2019				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Acetone	10	10	ND				
Benzene	0.5	1.0	ND				
Bromobenzene (Phenyl bromide)	0.5	1.0	ND				
Bromochloromethane	0.5	1.0	ND				
Bromodichloromethane	0.5	1.0	ND				
Bromoform (Tribromomethane)	2.5	5.0	ND				
Bromomethane (Methyl bromide)	1.5	3.0	ND				
2-Butanone (MEK)	5.0	5.0	ND				
n-Butylbenzene	0.5	1.0	ND				
sec-Butylbenzene	0.5	1.0	ND				
tert-Butylbenzene	0.5	1.0	ND				
Carbon Disulfide	0.5	1.0	ND				
Carbon tetrachloride	0.5	1.0	ND				
Chlorobenzene	0.5	1.0	ND				
Chloroethane	1.5	3.0	ND				
2-Chloroethyl vinyl ether	2.5	5.0	ND				
Chloroform (Trichloromethane)	0.5	1.0	ND				
Chloromethane (Methyl chloride)	1.5	3.0	ND				
2-Chlorotoluene	0.5	1.0	ND				
4-Chlorotoluene	0.5	1.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND				
Dibromochloromethane	0.5	1.0	ND				
1,2-Dibromoethane (EDB)	0.5	1.0	ND				
Dibromomethane	0.5	1.0	ND				
1,2-Dichlorobenzene	0.5	1.0	ND				
1,3-Dichlorobenzene	0.5	1.0	ND				
1,4-Dichlorobenzene	0.5	1.0	ND				
Dichlorodifluoromethane	1.5	3.0	ND				





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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			04/19/2019				
Preparation Method			5030B				
Date Analyzed			04/19/2019				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
1,1-Dichloroethane	0.5	1.0	ND				
1,2-Dichloroethane (EDC)	0.5	1.0	ND				
1,1-Dichloroethene	0.5	1.0	ND				
cis-1,2-Dichloroethene	0.5	1.0	ND				
trans-1,2-Dichloroethene	0.5	1.0	ND				
1,2-Dichloropropane	0.5	1.0	ND				
1,3-Dichloropropane	0.5	1.0	ND				
2,2-Dichloropropane	0.5	1.0	ND				
1,1-Dichloropropene	0.5	1.0	ND				
cis-1,3-Dichloropropene	0.5	1.0	ND				
trans-1,3-Dichloropropene	0.5	1.0	ND				
Ethylbenzene	0.5	1.0	ND				
Hexachlorobutadiene	1.5	3.0	ND				
2-Hexanone	2.5	5.0	ND				
Iodomethane	0.5	1.0	ND				
Isopropylbenzene	0.5	1.0	ND				
p-Isopropyltoluene	0.5	1.0	ND				
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND				
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND				
Methylene chloride (DCM)	2.0	4.0	ND				
Naphthalene	0.5	1.0	ND				
n-Propylbenzene	0.5	1.0	ND				
Styrene	0.5	1.0	ND				
1,1,1,2-Tetrachloroethane	0.5	1.0	ND				
1,1,2,2-Tetrachloroethane	0.5	1.0	ND				
Tetrachloroethene	0.5	1.0	ND				
Toluene (Methyl benzene)	0.5	1.0	ND				
1,2,3-Trichlorobenzene	0.5	1.0	ND				
1,2,4-Trichlorobenzene	0.5	1.0	ND				
1,1,1-Trichloroethane	0.5	1.0	ND				
1,1,2-Trichloroethane	0.5	1.0	ND				
Trichloroethene	0.5	1.0	ND				
Trichlorofluoromethane	0.5	1.0	ND				
1,2,3-Trichloropropane	0.5	1.0	ND				



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### ANALYTICAL RESULTS

Page: 66

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		04/19/2019				
Preparation Method		5030B				
Date Analyzed		04/19/2019				
Matrix		Aqueous				
Units		ug/L				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND			
1,2,4-Trimethylbenzene	0.5	1.0	ND			
1,3,5-Trimethylbenzene	0.5	1.0	ND			
Vinyl Acetate	0.5	5.0	ND			
Vinyl chloride (Chloroethene)	0.5	3.0	ND			
o-Xylene	0.5	1.0	ND			
m,p-Xylenes	1.0	2.0	ND			
Our Lab I.D.		Method Blank				
Surrogates	%Rec.Limit	% Rec.				
Bromofluorobenzene	75-125	93.5				
Dibromofluoromethane	75-125	106				
Toluene-d8	75-125	103				



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## ANALYTICAL RESULTS

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 67

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.		97343.54				
Client Sample I.D.		IDW				
Date Sampled		04/18/2019				
Date Prepared		04/19/2019				
Preparation Method		5030B				
Date Analyzed		04/19/2019				
Matrix		Aqueous				
Units		ug/L				
Dilution Factor		5				
Analytes	MDL	PQL	Results			
Acetone	50	50	ND			
Benzene	2.5	5	ND			
Bromobenzene (Phenyl bromide)	2.5	5	ND			
Bromochloromethane	2.5	5	ND			
Bromodichloromethane	2.5	5	ND			
Bromoform (Tribromomethane)	12	25	ND			
Bromomethane (Methyl bromide)	7	15	ND			
2-Butanone (MEK)	25	25	ND			
n-Butylbenzene	2.5	5	ND			
sec-Butylbenzene	2.5	5	ND			
tert-Butylbenzene	2.5	5	ND			
Carbon Disulfide	2.5	5	ND			
Carbon tetrachloride	2.5	5	ND			
Chlorobenzene	2.5	5	ND			
Chloroethane	7	15	ND			
2-Chloroethyl vinyl ether	12	25	ND			
Chloroform (Trichloromethane)	2.5	5	ND			
Chloromethane (Methyl chloride)	7	15	ND			
2-Chlorotoluene	2.5	5	ND			
4-Chlorotoluene	2.5	5	ND			
1,2-Dibromo-3-chloropropane (DBCP)	12	25	ND			
Dibromochloromethane	2.5	5	ND			
1,2-Dibromoethane (EDB)	2.5	5	ND			
Dibromomethane	2.5	5	ND			
1,2-Dichlorobenzene	2.5	5	ND			
1,3-Dichlorobenzene	2.5	5	ND			
1,4-Dichlorobenzene	2.5	5	ND			
Dichlorodifluoromethane	7	15	ND			



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.			97343.54				
Client Sample I.D.			IDW				
Date Sampled			04/18/2019				
Date Prepared			04/19/2019				
Preparation Method			5030B				
Date Analyzed			04/19/2019				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			5				
Analytes	MDL	PQL	Results				
1,1-Dichloroethane	2.5	5	ND				
1,2-Dichloroethane (EDC)	2.5	5	ND				
1,1-Dichloroethene	2.5	5	ND				
cis-1,2-Dichloroethene	2.5	5	ND				
trans-1,2-Dichloroethene	2.5	5	ND				
1,2-Dichloropropane	2.5	5	ND				
1,3-Dichloropropane	2.5	5	ND				
2,2-Dichloropropane	2.5	5	ND				
1,1-Dichloropropene	2.5	5	ND				
cis-1,3-Dichloropropene	2.5	5	ND				
trans-1,3-Dichloropropene	2.5	5	ND				
Ethylbenzene	2.5	5	ND				
Hexachlorobutadiene	7	15	ND				
2-Hexanone	12	25	ND				
Iodomethane	2.5	5	ND				
Isopropylbenzene	2.5	5	ND				
p-Isopropyltoluene	2.5	5	ND				
4-Methyl-2-pentanone (MIBK)	12	25	ND				
Methyl-tert-butyl ether (MTBE)	2.5	5	ND				
Methylene chloride (DCM)	10	20	ND				
Naphthalene	2.5	5	ND				
n-Propylbenzene	2.5	5	ND				
Styrene	2.5	5	ND				
1,1,1,2-Tetrachloroethane	2.5	5	ND				
1,1,2,2-Tetrachloroethane	2.5	5	ND				
Tetrachloroethene	2.5	5	ND				
Toluene (Methyl benzene)	2.5	5	ND				
1,2,3-Trichlorobenzene	2.5	5	ND				
1,2,4-Trichlorobenzene	2.5	5	ND				
1,1,1-Trichloroethane	2.5	5	ND				
1,1,2-Trichloroethane	2.5	5	ND				
Trichloroethene	2.5	5	ND				
Trichlorofluoromethane	2.5	5	ND				
1,2,3-Trichloropropane	2.5	5	ND				



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.		97343.54				
Client Sample I.D.		IDW				
Date Sampled		04/18/2019				
Date Prepared		04/19/2019				
Preparation Method		5030B				
Date Analyzed		04/19/2019				
Matrix		Aqueous				
Units		ug/L				
Dilution Factor		5				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Trichlorotrifluoroethane (Freon-113)	2.5	5	ND			
1,2,4-Trimethylbenzene	2.5	5	ND			
1,3,5-Trimethylbenzene	2.5	5	ND			
Vinyl Acetate	2.5	25	ND			
Vinyl chloride (Chloroethene)	2.5	15	ND			
o-Xylene	2.5	5	ND			
m,p-Xylenes	5	10	ND			

Comment(s):

97343.54: Analyzed under dilution due to foaming.

Our Lab I.D.		97343.54				
<b>Surrogates</b>	<b>%Rec.Limit</b>	<b>% Rec.</b>				
Bromofluorobenzene	75-125	91.1				
Dibromofluoromethane	75-125	103				
Toluene-d8	75-125	104				



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## ANALYTICAL RESULTS

### Ordered By

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3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
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Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.		97343.55				
Client Sample I.D.		TB-20190418 -NT				
Date Sampled		04/18/2019				
Date Prepared		04/18/2019				
Preparation Method		5030B				
Date Analyzed		04/19/2019				
Matrix		Aqueous				
Units		ug/L				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Acetone	10	10	ND			
Benzene	0.5	1.0	ND			
Bromobenzene (Phenyl bromide)	0.5	1.0	ND			
Bromochloromethane	0.5	1.0	ND			
Bromodichloromethane	0.5	1.0	ND			
Bromoform (Tribromomethane)	2.5	5.0	ND			
Bromomethane (Methyl bromide)	1.5	3.0	ND			
2-Butanone (MEK)	5.0	5.0	ND			
n-Butylbenzene	0.5	1.0	ND			
sec-Butylbenzene	0.5	1.0	ND			
tert-Butylbenzene	0.5	1.0	ND			
Carbon Disulfide	0.5	1.0	ND			
Carbon tetrachloride	0.5	1.0	ND			
Chlorobenzene	0.5	1.0	ND			
Chloroethane	1.5	3.0	ND			
2-Chloroethyl vinyl ether	2.5	5.0	ND			
Chloroform (Trichloromethane)	0.5	1.0	ND			
Chloromethane (Methyl chloride)	1.5	3.0	ND			
2-Chlorotoluene	0.5	1.0	ND			
4-Chlorotoluene	0.5	1.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND			
Dibromochloromethane	0.5	1.0	ND			
1,2-Dibromoethane (EDB)	0.5	1.0	ND			
Dibromomethane	0.5	1.0	ND			
1,2-Dichlorobenzene	0.5	1.0	ND			
1,3-Dichlorobenzene	0.5	1.0	ND			
1,4-Dichlorobenzene	0.5	1.0	ND			



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## ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.		97343.55				
Client Sample I.D.		TB-20190418-NT				
Date Sampled		04/18/2019				
Date Prepared		04/18/2019				
Preparation Method		5030B				
Date Analyzed		04/19/2019				
Matrix		Aqueous				
Units		ug/L				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	1.5	3.0	ND			
1,1-Dichloroethane	0.5	1.0	ND			
1,2-Dichloroethane (EDC)	0.5	1.0	ND			
1,1-Dichloroethene	0.5	1.0	ND			
cis-1,2-Dichloroethene	0.5	1.0	ND			
trans-1,2-Dichloroethene	0.5	1.0	ND			
1,2-Dichloropropane	0.5	1.0	ND			
1,3-Dichloropropane	0.5	1.0	ND			
2,2-Dichloropropane	0.5	1.0	ND			
1,1-Dichloropropene	0.5	1.0	ND			
cis-1,3-Dichloropropene	0.5	1.0	ND			
trans-1,3-Dichloropropene	0.5	1.0	ND			
Ethylbenzene	0.5	1.0	ND			
Hexachlorobutadiene	1.5	3.0	ND			
2-Hexanone	2.5	5.0	ND			
Iodomethane	0.5	1.0	ND			
Isopropylbenzene	0.5	1.0	ND			
p-Isopropyltoluene	0.5	1.0	ND			
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND			
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND			
Methylene chloride (DCM)	2.0	4.0	ND			
Naphthalene	0.5	1.0	ND			
n-Propylbenzene	0.5	1.0	ND			
Styrene	0.5	1.0	ND			
1,1,1,2-Tetrachloroethane	0.5	1.0	ND			
1,1,2,2-Tetrachloroethane	0.5	1.0	ND			
Tetrachloroethene	0.5	1.0	ND			
Toluene (Methyl benzene)	0.5	1.0	ND			
1,2,3-Trichlorobenzene	0.5	1.0	ND			
1,2,4-Trichlorobenzene	0.5	1.0	ND			
1,1,1-Trichloroethane	0.5	1.0	ND			
1,1,2-Trichloroethane	0.5	1.0	ND			
Trichloroethene	0.5	1.0	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1

Our Lab I.D.			97343.55				
Client Sample I.D.			TB-20190418 -NT				
Date Sampled			04/18/2019				
Date Prepared			04/18/2019				
Preparation Method			5030B				
Date Analyzed			04/19/2019				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Trichlorofluoromethane	0.5	1.0	ND				
1,2,3-Trichloropropane	0.5	1.0	ND				
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND				
1,2,4-Trimethylbenzene	0.5	1.0	ND				
1,3,5-Trimethylbenzene	0.5	1.0	ND				
Vinyl Acetate	0.5	5.0	ND				
Vinyl chloride (Chloroethene)	0.5	3.0	ND				
o-Xylene	0.5	1.0	ND				
m,p-Xylenes	1.0	2.0	ND				
Our Lab I.D.			97343.55				
Surrogates	%Rec.Limit		% Rec.				
Bromofluorobenzene	75-125		97.5				
Dibromofluoromethane	75-125		106				
Toluene-d8	75-125		102				





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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041919NB1

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			04/19/2019				
Preparation Method			5030				
Date Analyzed			04/19/2019				
Matrix			Aqueous				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND				
<b>Our Lab I.D.</b>			Method Blank				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
Bromofluorobenzene	75-125		99.2				



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 74

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041919NB1

Our Lab I.D.		97343.54				
Client Sample I.D.		IDW				
Date Sampled		04/18/2019				
Date Prepared		04/18/2019				
Preparation Method		5030B				
Date Analyzed		04/20/2019				
Matrix		Aqueous				
Units		mg/L				
Dilution Factor		100				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Gasoline and Light HC. (C4-C12)	0.500	1.000	ND			

Comment(s):

97343.54: Analyzed under dilution due to foaming.

Our Lab I.D.		97343.54				
Surrogates	%Rec.Limit	% Rec.				
Bromofluorobenzene	75-125	118				



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### ANALYTICAL RESULTS

**Ordered By**

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**Site**

Belvedere Middle School  
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Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 042219DB1

<b>Our Lab I.D.</b>			Method Blank	97343.54			
Client Sample I.D.				IDW			
Date Sampled				04/18/2019			
Date Prepared			04/22/2019	04/22/2019			
Preparation Method			3510C	3510C			
Date Analyzed			04/24/2019	04/24/2019			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	0.1	0.5	ND	0.544			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	0.544			
<b>Our Lab I.D.</b>			Method Blank	97343.54			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>			
Chlorobenzene	60-125		104	65.5			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0423192C1

Our Lab I.D.			Method Blank	97343.54	97343.56		
Client Sample I.D.				IDW	EB-20190418 -NT		
Date Sampled				04/18/2019	04/18/2019		
Date Prepared			04/23/2019	04/23/2019	04/23/2019		
Preparation Method			3005A	3005A	3005A		
Date Analyzed			04/24/2019	04/24/2019	04/24/2019		
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	0.318	ND		
Beryllium	0.01	0.05	ND	ND	ND		
Cadmium	0.01	0.05	ND	ND	ND		
Chromium	0.01	0.05	ND	0.101	ND		
Cobalt	0.01	0.05	ND	0.0304J	ND		
Copper	0.01	0.05	ND	0.114	ND		
Lead	0.05	0.10	ND	0.103	ND		
Mercury (By EPA 7470)	0.001	0.002	ND	ND	ND		
Molybdenum	0.01	0.05	ND	0.0133J	ND		
Nickel	0.01	0.05	ND	0.103	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	0.187	ND		
Zinc	0.01	0.05	ND	1.03	ND		



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0423192C1; Dup or Spiked Sample: 97260.02; LCS: Clean Water; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	0.949	94.9	1.00	0.977	97.7	2.91	75-125	<15
Arsenic	0.00	1.00	0.928	92.8	1.00	0.949	94.9	2.24	75-125	<15
Barium	0.00	1.00	0.906	90.6	1.00	0.904	90.4	<1	75-125	<15
Beryllium	0.00	1.00	0.959	95.9	1.00	0.965	96.5	<1	75-125	<15
Cadmium	0.00	1.00	0.888	88.8	1.00	0.885	88.5	<1	75-125	<15
Chromium	0.00	1.00	0.949	94.9	1.00	0.938	93.8	1.17	75-125	<15
Cobalt	0.00	1.00	0.891	89.1	1.00	0.887	88.7	<1	75-125	<15
Copper	0.0130	1.00	0.952	93.9	1.00	0.947	93.4	<1	75-125	<15
Lead	0.00	1.00	0.831	83.1	1.00	0.824	82.4	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00883	88.3	0.0100	0.00814	81.4	8.1	75-125	<15
Molybdenum	0.0130	1.00	0.907	89.4	1.00	0.909	89.6	<1	75-125	<15
Nickel	0.00	1.00	0.932	93.2	1.00	0.926	92.6	<1	75-125	<15
Selenium	0.00	1.00	0.953	95.3	1.00	0.957	95.7	<1	75-125	<15
Silver	0.0390	1.00	0.821	78.2	1.00	0.812	77.3	1.16	75-125	<15
Thallium	0.00	1.00	0.809	80.9	1.00	0.794	79.4	1.87	75-125	<15
Vanadium	0.00	1.00	0.942	94.2	1.00	0.939	93.9	<1	75-125	<15
Zinc	0.00	1.00	1.00	100	1.00	1.00	100	<1	75-125	<15

QC Batch No: 0423192C1; Dup or Spiked Sample: 97260.02; LCS: Clean Water; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	0.920	92.2	1.00	0.960	96.4	4.45	75-125	<15	
Arsenic	1.00	0.940	93.8	1.00	0.950	94.6	<1	75-125	<15	
Barium	1.00	0.910	91.1	1.00	0.920	91.7	<1	75-125	<15	
Beryllium	1.00	0.940	94.0	1.00	0.960	95.6	1.69	75-125	<15	
Cadmium	1.00	0.900	90.4	1.00	0.910	91.3	<1	75-125	<15	
Chromium	1.00	0.950	95.4	1.00	0.960	95.7	<1	75-125	<15	
Cobalt	1.00	0.890	88.9	1.00	0.900	90.0	1.23	75-125	<15	
Copper	1.00	0.910	91.2	1.00	0.920	91.8	<1	75-125	<15	
Lead	1.00	0.850	85.4	1.00	0.850	85.3	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0423192C1; Dup or Spiked Sample: 97260.02; LCS: Clean Water; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	
Mercury (By EPA 7470)	0.0100	0.00918	91.8	0.0100	0.00903	90.3	1.6	75-125	<15	
Molybdenum	1.00	0.900	90.1	1.00	0.920	91.8	1.87	75-125	<15	
Nickel	1.00	0.900	90.3	1.00	0.910	90.8	<1	75-125	<15	
Selenium	1.00	0.940	94.3	1.00	0.960	95.7	1.47	75-125	<15	
Silver	1.00	0.930	92.5	1.00	0.930	93.2	<1	75-125	<15	
Thallium	1.00	0.840	83.5	1.00	0.830	83.1	<1	75-125	<15	
Vanadium	1.00	0.940	93.6	1.00	0.940	94.4	<1	75-125	<15	
Zinc	1.00	0.990	99.0	1.00	1.00	99.5	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1; Dup or Spiked Sample: B0419191A1; LCS: Clean Water; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
Units: ug/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
Benzene	0.00	50.0	47.5	95.0	50.0	51.5	103	8.1	75-125	<20
Carbon tetrachloride	0.00	50.0	45.1	90.2	50.0	50.5	101	11.3	75-125	<20
Chlorobenzene	0.00	50.0	51.0	102	50.0	56.5	113	10.2	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	47.0	94.0	50.0	50.5	101	7.2	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	48.9	97.8	50.0	52.5	105	7.1	75-125	<20
1,1-Dichloroethane	0.00	50.0	47.1	94.2	50.0	51.0	102	8.0	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.3	88.6	50.0	49.0	98.0	10.1	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	49.8	99.6	50.0	54.0	108	8.1	75-125	<20
Ethylbenzene	0.00	50.0	49.4	98.8	50.0	55.0	110	10.7	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	47.9	95.8	50.0	48.9	97.8	2.1	75-125	<20
n-Propylbenzene	0.00	50.0	44.6	89.2	50.0	49.8	99.6	11.0	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	49.0	98.0	50.0	54.0	108	9.7	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	45.7	91.4	50.0	50.5	101	10.0	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	51.5	103	50.0	53.0	106	2.9	75-125	<20
Trichloroethene	0.00	50.0	50.0	100	50.0	56.0	112	11.3	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	43.7	87.4	50.0	48.5	97.0	10.4	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	44.6	89.2	50.0	49.5	99.0	10.4	75-125	<20
o-Xylene	0.00	50.0	48.8	97.6	50.0	54.0	108	10.1	75-125	<20
m,p-Xylenes	0.00	100	98.9	98.9	100	110	110	10.6	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	46.5	93.0	50.0	46.3	92.6	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	47.5	95.0	50.0	47.3	94.5	<1	75-125	<20
Toluene-d8	0.00	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419191A1; Dup or Spiked Sample: B0419191A1; LCS: Clean Water; QC Prepared: 04/19/2019; QC Analyzed: 04/19/2019;  
Units: ug/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	
Benzene	50.0	52.0	104	50.0	52.5	105	<1	75-125	<20	
Carbon tetrachloride	50.0	52.5	105	50.0	51.6	103	1.9	75-125	<20	
Chlorobenzene	50.0	57.9	116	50.0	58.1	116	<1	75-125	<20	
Chloroform (Trichloromethane)	50.0	50.7	101	50.0	50.5	101	<1	75-125	<20	
1,2-Dichlorobenzene	50.0	54.9	110	50.0	54.3	109	<1	75-125	<20	
1,1-Dichloroethane	50.0	51.3	103	50.0	51.0	102	<1	75-125	<20	
1,1-Dichloroethene	50.0	50.3	101	50.0	49.5	99.0	2.0	75-125	<20	
cis-1,2-Dichloroethene	50.0	54.3	109	50.0	54.0	108	<1	75-125	<20	
Ethylbenzene	50.0	56.9	114	50.0	56.8	114	<1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	49.8	99.6	50.0	48.8	98.0	1.6	75-125	<20	
n-Propylbenzene	50.0	52.4	105	50.0	51.7	103	1.9	75-125	<20	
Toluene (Methyl benzene)	50.0	56.0	112	50.0	55.5	111	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	52.3	105	50.0	51.5	103	1.9	75-125	<20	
1,1,2-Trichloroethane	50.0	53.8	108	50.0	53.7	107	<1	75-125	<20	
Trichloroethene	50.0	57.0	114	50.0	56.8	114	<1	75-125	<20	
1,2,4-Trimethylbenzene	50.0	51.1	102	50.0	50.3	101	<1	75-125	<20	
1,3,5-Trimethylbenzene	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20	
o-Xylene	50.0	55.5	111	50.0	55.4	111	<1	75-125	<20	
m,p-Xylenes	100	114	114	100	114	114	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	46.4	92.8	50.0	45.9	91.7	1.2	75-125	<20	
Dibromofluoromethane	50.0	46.4	92.9	50.0	46.3	92.6	<1	75-125	<20	
Toluene-d8	50.0	51.2	102	50.0	51.3	103	<1	75-125	<20	





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### QUALITY CONTROL RESULTS

**Ordered By****Site**

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Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 042219DB1; Dup or Spiked Sample: 97351.04; LCS: Clean Water; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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
TPH as Diesel (C13-C22)	0.389	5.00	5.09	94.0	5.00	4.97	91.6	2.59	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	2.00	1.48	74.0	2.00	1.37	68.5	7.43	60-125	<20

QC Batch No: 042219DB1; Dup or Spiked Sample: 97351.04; LCS: Clean Water; QC Prepared: 04/22/2019; QC Analyzed: 04/24/2019;  
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	
TPH as Diesel (C13-C22)	5.00	5.21	104	5.00	4.95	99.0	4.93	75-125	<20	
<b>Surrogates</b>										
Chlorobenzene	2.00	2.08	104	2.00	1.66	83.0	20.2	60-125	<20	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041919NB1; Dup or Spiked Sample: B041919NB1; LCS: Clean Water; QC Prepared: 04/19/2019; MS Analyzed: 04/20/2019;  
LCS Analyzed: 04/19/2019; 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.500	99.8	0.500	0.490	98.8	1.01	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0581	116	0.0500	0.0579	116	<1	75-125	<20

QC Batch No: 041919NB1; Dup or Spiked Sample: B041919NB1; LCS: Clean Water; QC Prepared: 04/19/2019; MS Analyzed: 04/20/2019;  
LCS Analyzed: 04/19/2019; 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	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.490	97.0	0.500	0.490	97.0	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	0.0500	0.0533	107	0.0500	0.0542	108	<1	75-125	<20	



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## QUALITY CONTROL RESULTS

### Ordered By

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C2; Dup or Spiked Sample: 97343.01; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	50.5	101	50.0	51.5	103	1.96	75-125	<15
Arsenic	0.00	50.0	40.3	80.6	50.0	40.2	80.4	<1	75-125	<15
Barium	109	50.0	151	84.0	50.0	153	88.0	4.65	75-125	<15
Beryllium	0.00	50.0	45.6	91.2	50.0	45.6	91.2	<1	75-125	<15
Cadmium	0.00	50.0	45.9	91.8	50.0	45.3	90.6	1.32	75-125	<15
Chromium	20.3	50.0	66.2	91.8	50.0	67.0	93.4	1.73	75-125	<15
Cobalt	9.11	50.0	53.2	88.2	50.0	53.7	89.2	1.13	75-125	<15
Copper	11.2	50.0	60.9	99.4	50.0	61.7	101	1.60	75-125	<15
Lead	13.7	50.0	54.9	82.4	50.0	55.1	82.8	<1	75-125	<15
Mercury (By EPA 7471)	0.103	0.500	0.559	91.2	0.500	0.566	92.6	1.5	75-125	<15
Molybdenum	0.00	50.0	46.0	92.0	50.0	46.7	93.4	1.51	75-125	<15
Nickel	12.4	50.0	64.4	104	50.0	65.4	106	1.90	75-125	<15
Selenium	0.00	50.0	32.5 M	65.0	50.0	35.0 M	70.0	7.41	75-125	<15
Silver	0.00	50.0	41.4	82.8	50.0	42.0	84.0	1.44	75-125	<15
Thallium	0.00	50.0	28.4 M	56.8	50.0	28.7 M	57.4	1.05	75-125	<15
Vanadium	40.3	50.0	88.4	96.2	50.0	89.6	98.6	2.46	75-125	<15
Zinc	60.5	50.0	104	87.0	50.0	106	91.0	4.49	75-125	<15

QC Batch No: 0423192C2; Dup or Spiked Sample: 97343.01; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	53.0	106	50.0	52.8	106	<1	75-125	<15	
Arsenic	50.0	49.8	99.6	50.0	50.5	101	1.40	75-125	<15	
Barium	50.0	51.1	102	50.0	51.4	103	<1	75-125	<15	
Beryllium	50.0	50.6	101	50.0	50.8	102	<1	75-125	<15	
Cadmium	50.0	50.3	101	50.0	50.6	101	<1	75-125	<15	
Chromium	50.0	51.4	103	50.0	51.2	102	<1	75-125	<15	
Cobalt	50.0	51.2	102	50.0	51.5	103	<1	75-125	<15	
Copper	50.0	49.9	99.8	50.0	50.2	100	<1	75-125	<15	
Lead	50.0	48.4	96.8	50.0	48.0	96.0	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C2; Dup or Spiked Sample: 97343.01; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	
Mercury (By EPA 7471)	0.500	0.505	101	0.500	0.505	101	<1	75-125	<15	
Molybdenum	50.0	48.0	96.0	50.0	48.8	97.6	1.65	75-125	<15	
Nickel	50.0	49.9	99.8	50.0	50.3	101	1.20	75-125	<15	
Selenium	50.0	51.1	102	50.0	51.2	102	<1	75-125	<15	
Silver	50.0	50.8	102	50.0	51.1	102	<1	75-125	<15	
Thallium	50.0	48.8	97.6	50.0	48.8	97.6	<1	75-125	<15	
Vanadium	50.0	51.3	103	50.0	51.6	103	<1	75-125	<15	
Zinc	50.0	54.5	109	50.0	54.4	109	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C3; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	52.5	105	50.0	51.5	103	1.92	75-125	<15
Arsenic	0.00	50.0	41.2	82.4	50.0	40.0	80.0	2.96	75-125	<15
Barium	138	50.0	183	90.0	50.0	184	92.0	2.20	75-125	<15
Beryllium	0.00	50.0	45.2	90.4	50.0	45.1	90.2	<1	75-125	<15
Cadmium	0.00	50.0	45.7	91.4	50.0	45.4	90.8	<1	75-125	<15
Chromium	21.1	50.0	68.9	95.6	50.0	68.5	94.8	<1	75-125	<15
Cobalt	11.5	50.0	56.7	90.4	50.0	56.4	89.8	<1	75-125	<15
Copper	17.6	50.0	68.1	101	50.0	68.1	101	<1	75-125	<15
Lead	7.34	50.0	46.5	78.3	50.0	46.3	77.9	<1	75-125	<15
Mercury (By EPA 7471)	0.0330	0.500	0.448	83.0	0.500	0.446	82.6	<1	75-125	<15
Molybdenum	0.00	50.0	47.2	94.4	50.0	46.8	93.6	<1	75-125	<15
Nickel	18.0	50.0	70.0	104	50.0	70.5	105	<1	75-125	<15
Selenium	0.00	50.0	33.4 M	66.8	50.0	32.2 M	64.4	3.66	75-125	<15
Silver	0.00	50.0	40.7	81.4	50.0	40.7	81.4	<1	75-125	<15
Thallium	0.00	50.0	26.1 M	52.2	50.0	26.3 M	52.6	<1	75-125	<15
Vanadium	42.8	50.0	91.6	97.6	50.0	91.8	98.0	<1	75-125	<15
Zinc	67.9	50.0	100 M	64.2	50.0	101 M	66.2	3.07	75-125	<15

QC Batch No: 0423192C3; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	53.9	108	50.0	52.9	106	1.87	75-125	<15	
Arsenic	50.0	49.5	99.0	50.0	50.0	100	1.01	75-125	<15	
Barium	50.0	51.4	103	50.0	51.1	102	<1	75-125	<15	
Beryllium	50.0	50.5	101	50.0	50.0	100	<1	75-125	<15	
Cadmium	50.0	50.6	101	50.0	50.3	101	<1	75-125	<15	
Chromium	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Cobalt	50.0	51.1	102	50.0	51.0	102	<1	75-125	<15	
Copper	50.0	50.2	100	50.0	50.0	100	<1	75-125	<15	
Lead	50.0	48.0	96.0	50.0	48.3	96.6	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C3; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	
Mercury (By EPA 7471)	0.500	0.490	98.0	0.500	0.495	99.0	1.0	75-125	<15	
Molybdenum	50.0	49.0	98.0	50.0	49.0	98.0	<1	75-125	<15	
Nickel	50.0	50.2	100	50.0	50.0	100	<1	75-125	<15	
Selenium	50.0	50.9	102	50.0	51.8	104	1.94	75-125	<15	
Silver	50.0	51.1	102	50.0	50.9	102	<1	75-125	<15	
Thallium	50.0	49.4	98.8	50.0	48.7	97.4	1.43	75-125	<15	
Vanadium	50.0	51.7	103	50.0	51.4	103	<1	75-125	<15	
Zinc	50.0	54.2	108	50.0	54.1	108	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

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Attn: Robert Sabater

Page: 87

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C4; Dup or Spiked Sample: 97343.21; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	53.0	106	50.0	52.5	105	<1	75-125	<15
Arsenic	0.00	50.0	45.3	90.6	50.0	46.4	92.8	2.40	75-125	<15
Barium	78.3	50.0	127	97.4	50.0	126	95.4	2.07	75-125	<15
Beryllium	0.00	50.0	47.1	94.2	50.0	46.8	93.6	<1	75-125	<15
Cadmium	0.00	50.0	46.3	92.6	50.0	46.7	93.4	<1	75-125	<15
Chromium	13.1	50.0	59.8	93.4	50.0	60.4	94.6	1.28	75-125	<15
Cobalt	6.97	50.0	53.2	92.5	50.0	53.7	93.5	1.08	75-125	<15
Copper	11.7	50.0	63.2	103	50.0	63.7	104	<1	75-125	<15
Lead	12.2	50.0	53.4	82.4	50.0	53.9	83.4	1.21	75-125	<15
Mercury (By EPA 7471)	0.0330	0.500	0.533	100	0.500	0.563	106	5.8	75-125	<15
Molybdenum	0.00	50.0	46.9	93.8	50.0	47.6	95.2	1.48	75-125	<15
Nickel	10.7	50.0	62.7	104	50.0	63.2	105	<1	75-125	<15
Selenium	0.00	50.0	38.7	77.4	50.0	38.5	77.0	<1	75-125	<15
Silver	0.00	50.0	44.3	88.6	50.0	44.4	88.8	<1	75-125	<15
Thallium	0.00	50.0	31.4 M	62.8	50.0	31.7 M	63.4	<1	75-125	<15
Vanadium	28.6	50.0	77.8	98.4	50.0	77.8	98.4	<1	75-125	<15
Zinc	161	50.0	196 M	70.0	50.0	196 M	70.0	<1	75-125	<15

QC Batch No: 0423192C4; Dup or Spiked Sample: 97343.21; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	53.4	107	50.0	53.4	107	<1	75-125	<15	
Arsenic	50.0	50.2	100	50.0	50.1	100	<1	75-125	<15	
Barium	50.0	51.6	103	50.0	51.9	104	<1	75-125	<15	
Beryllium	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	
Cadmium	50.0	51.1	102	50.0	51.3	103	<1	75-125	<15	
Chromium	50.0	52.1	104	50.0	52.0	104	<1	75-125	<15	
Cobalt	50.0	51.5	103	50.0	51.7	103	<1	75-125	<15	
Copper	50.0	50.6	101	50.0	50.6	101	<1	75-125	<15	
Lead	50.0	48.8	97.6	50.0	48.8	97.6	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C4; Dup or Spiked Sample: 97343.21; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	
Mercury (By EPA 7471)	0.500	0.535	107	0.500	0.515	103	3.8	75-125	<15	
Molybdenum	50.0	48.4	96.8	50.0	49.4	98.8	2.04	75-125	<15	
Nickel	50.0	50.7	101	50.0	50.9	102	<1	75-125	<15	
Selenium	50.0	51.6	103	50.0	51.2	102	<1	75-125	<15	
Silver	50.0	51.4	103	50.0	51.5	103	<1	75-125	<15	
Thallium	50.0	49.0	98.0	50.0	49.1	98.2	<1	75-125	<15	
Vanadium	50.0	51.9	104	50.0	52.0	104	<1	75-125	<15	
Zinc	50.0	55.0	110	50.0	54.8	110	<1	75-125	<15	





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## QUALITY CONTROL RESULTS

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 89

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C5; Dup or Spiked Sample: 97343.31; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	54.0	108	50.0	53.5	107	<1	75-125	<15
Arsenic	0.00	50.0	41.9	83.8	50.0	44.3	88.6	5.57	75-125	<15
Barium	124	50.0	174	100	50.0	172	96.0	4.08	75-125	<15
Beryllium	0.00	50.0	47.7	95.4	50.0	47.4	94.8	<1	75-125	<15
Cadmium	0.00	50.0	48.2	96.4	50.0	47.8	95.6	<1	75-125	<15
Chromium	19.5	50.0	69.0	99.0	50.0	68.8	98.6	<1	75-125	<15
Cobalt	11.2	50.0	59.4	96.4	50.0	59.0	95.6	<1	75-125	<15
Copper	14.3	50.0	66.3	104	50.0	65.3	102	1.94	75-125	<15
Lead	3.37	50.0	44.6	82.5	50.0	44.6	82.5	<1	75-125	<15
Mercury (By EPA 7471)	0.0980	0.500	0.453M	71.0	0.500	0.451M	70.6	<1	75-125	<15
Molybdenum	0.00	50.0	48.7	97.4	50.0	48.5	97.0	<1	75-125	<15
Nickel	14.9	50.0	68.9	108	50.0	67.9	106	1.87	75-125	<15
Selenium	0.00	50.0	35.7 M	71.4	50.0	35.5 M	71.0	<1	75-125	<15
Silver	0.00	50.0	42.9	85.8	50.0	42.3	84.6	1.41	75-125	<15
Thallium	0.00	50.0	29.3 M	58.6	50.0	28.8 M	57.6	1.72	75-125	<15
Vanadium	39.0	50.0	91.0	104	50.0	90.0	102	1.94	75-125	<15
Zinc	40.8	50.0	90.0	98.4	50.0	88.8	96.0	2.47	75-125	<15

QC Batch No: 0423192C5; Dup or Spiked Sample: 97343.31; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	54.1	108	50.0	53.8	108	<1	75-125	<15	
Arsenic	50.0	50.9	102	50.0	51.0	102	<1	75-125	<15	
Barium	50.0	52.4	105	50.0	52.3	105	<1	75-125	<15	
Beryllium	50.0	51.6	103	50.0	52.0	104	<1	75-125	<15	
Cadmium	50.0	52.1	104	50.0	51.9	104	<1	75-125	<15	
Chromium	50.0	52.7	105	50.0	52.7	105	<1	75-125	<15	
Cobalt	50.0	52.4	105	50.0	52.2	104	<1	75-125	<15	
Copper	50.0	50.6	101	50.0	50.4	101	<1	75-125	<15	
Lead	50.0	49.5	99.0	50.0	49.4	98.8	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C5; Dup or Spiked Sample: 97343.31; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	
Mercury (By EPA 7471)	0.500	0.550	110	0.500	0.550	110	<1	75-125	<15	
Molybdenum	50.0	49.2	98.4	50.0	49.8	99.6	1.21	75-125	<15	
Nickel	50.0	51.5	103	50.0	51.2	102	<1	75-125	<15	
Selenium	50.0	53.2	106	50.0	52.0	104	1.90	75-125	<15	
Silver	50.0	52.0	104	50.0	51.7	103	<1	75-125	<15	
Thallium	50.0	49.5	99.0	50.0	49.3	98.6	<1	75-125	<15	
Vanadium	50.0	52.4	105	50.0	52.2	104	<1	75-125	<15	
Zinc	50.0	55.9	112	50.0	56.0	112	<1	75-125	<15	



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Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C6; Dup or Spiked Sample: 97343.41; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	53.5	107	50.0	53.5	107	<1	75-125	<15
Arsenic	0.00	50.0	43.8	87.6	50.0	46.2	92.4	5.33	75-125	<15
Barium	68.0	50.0	106	76.0	50.0	106	76.0	<1	75-125	<15
Beryllium	0.00	50.0	48.3	96.6	50.0	48.1	96.2	<1	75-125	<15
Cadmium	0.00	50.0	48.1	96.2	50.0	48.3	96.6	<1	75-125	<15
Chromium	15.9	50.0	64.6	97.4	50.0	64.8	97.8	<1	75-125	<15
Cobalt	5.78	50.0	52.8	94.0	50.0	52.9	94.2	<1	75-125	<15
Copper	9.20	50.0	60.2	102	50.0	60.7	103	<1	75-125	<15
Lead	0.00	50.0	43.5	87.0	50.0	43.6	87.2	<1	75-125	<15
Mercury (By EPA 7471)	0.340	0.500	0.875	107	0.500	0.885	109	1.9	75-125	<15
Molybdenum	0.00	50.0	48.6	97.2	50.0	49.0	98.0	<1	75-125	<15
Nickel	9.15	50.0	62.2	106	50.0	62.7	107	<1	75-125	<15
Selenium	0.00	50.0	36.8 M	73.6	50.0	36.2 M	72.4	1.64	75-125	<15
Silver	0.00	50.0	43.4	86.8	50.0	43.7	87.4	<1	75-125	<15
Thallium	0.00	50.0	31.0 M	62.0	50.0	31.5 M	63.0	1.60	75-125	<15
Vanadium	33.1	50.0	83.0	99.8	50.0	83.6	101	1.20	75-125	<15
Zinc	33.9	50.0	85.4	103	50.0	85.9	104	<1	75-125	<15

QC Batch No: 0423192C6; Dup or Spiked Sample: 97343.41; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	54.1	108	50.0	54.1	108	<1	75-125	<15	
Arsenic	50.0	50.5	101	50.0	51.4	103	1.96	75-125	<15	
Barium	50.0	52.2	104	50.0	52.0	104	<1	75-125	<15	
Beryllium	50.0	51.8	104	50.0	51.9	104	<1	75-125	<15	
Cadmium	50.0	51.8	104	50.0	51.6	103	<1	75-125	<15	
Chromium	50.0	52.8	106	50.0	52.6	105	<1	75-125	<15	
Cobalt	50.0	52.3	105	50.0	51.9	104	<1	75-125	<15	
Copper	50.0	50.7	101	50.0	50.4	101	<1	75-125	<15	
Lead	50.0	49.4	98.8	50.0	49.5	99.0	<1	75-125	<15	



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### QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0423192C6; Dup or Spiked Sample: 97343.41; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/24/2019;  
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	
Mercury (By EPA 7471)	0.500	0.560	112	0.500	0.560	112	<1	75-125	<15	
Molybdenum	50.0	49.1	98.2	50.0	50.0	100	1.82	75-125	<15	
Nickel	50.0	51.0	102	50.0	50.9	102	<1	75-125	<15	
Selenium	50.0	50.8	102	50.0	51.7	103	<1	75-125	<15	
Silver	50.0	51.8	104	50.0	51.6	103	<1	75-125	<15	
Thallium	50.0	49.3	98.6	50.0	49.5	99.0	<1	75-125	<15	
Vanadium	50.0	52.2	104	50.0	52.0	104	<1	75-125	<15	
Zinc	50.0	56.3	113	50.0	55.8	112	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C2; Dup or Spiked Sample: 97343.01; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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
Arsenic	3.27	10.0	12.3	90.3	10.0	13.5	102	12.2	75-125	<15
Thallium	0.00	10.0	10.2	102	10.0	9.87	98.7	3.29	75-125	<15

QC Batch No: 0423191C2; Dup or Spiked Sample: 97343.01; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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	
Arsenic	10.0	10.5	105	10.0	10.4	104	<1	75-125	<15	
Thallium	10.0	9.72	97.2	10.0	10.1	101	3.83	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C3; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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
Arsenic	3.52	10.0	13.4	98.8	10.0	14.2	107	7.97	75-125	<15
Thallium	0.00	10.0	10.4	104	10.0	10.4	104	<1	75-125	<15

QC Batch No: 0423191C3; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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	
Arsenic	10.0	9.24	92.4	10.0	10.0	100	7.90	75-125	<15	
Thallium	10.0	9.87	98.7	10.0	10.1	101	2.30	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C4; Dup or Spiked Sample: 97343.21; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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
Arsenic	3.01	10.0	12.4	93.9	10.0	13.4	104	10.2	75-125	<15
Thallium	0.00	10.0	10.4	104	10.0	10.4	104	<1	75-125	<15

QC Batch No: 0423191C4; Dup or Spiked Sample: 97343.21; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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	
Arsenic	10.0	8.81	88.1	10.0	9.62	96.2	8.79	75-125	<15	
Thallium	10.0	9.56	95.6	10.0	9.77	97.7	2.17	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C5; Dup or Spiked Sample: 97343.31; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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
Arsenic	3.13	10.0	12.4	92.7	10.0	12.8	96.7	4.22	75-125	<15
Thallium	0.00	10.0	9.88	98.8	10.0	9.78	97.8	1.02	75-125	<15

QC Batch No: 0423191C5; Dup or Spiked Sample: 97343.31; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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	
Arsenic	10.0	10.7	107	10.0	10.6	106	<1	75-125	<15	
Thallium	10.0	9.53	95.3	10.0	9.64	96.4	1.15	75-125	<15	





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6020), Arsenic and Thallium metals by ICP/MS

QC Batch No: 0423191C6; Dup or Spiked Sample: 97343.46; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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
Arsenic	3.66	10.0	12.5	88.4	10.0	13.3	96.4	8.66	75-125	<15
Thallium	0.187	10.0	9.84	96.5	10.0	9.82	96.3	<1	75-125	<15

QC Batch No: 0423191C6; Dup or Spiked Sample: 97343.46; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
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	
Arsenic	10.0	9.16	91.6	10.0	9.73	97.3	6.03	75-125	<15	
Thallium	10.0	9.77	97.7	10.0	9.97	99.7	2.03	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB1; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/25/2019;  
Units: ug/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
Aldrin	0.00	20.0	21.2	106	20.0	21.0	105	<1	40-150	<40
4,4'-DDT (DDT)	1.32	50.0	58.8	115	50.0	61.3	120	4.3	40-150	<40
Dieldrin	0.00	50.0	55.5	111	50.0	52.0	104	6.5	40-150	<40
Endrin	0.00	50.0	51.0	102	50.0	58.5	117	13.7	40-150	<40
Heptachlor	0.00	20.0	20.6	103	20.0	19.8	99.0	4.0	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.6	98.0	20.0	24.4	122	21.8	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	23.8	95.2	25.0	22.8	91.2	4.3	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	26.0	104	25.0	24.6	98.4	5.5	30-150	<40

QC Batch No: 042219EB1; Dup or Spiked Sample: 97343.11; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/25/2019;  
Units: ug/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	
Aldrin	20.0	13.4	67.0	20.0	16.5	82.5	20.7	50-150	<40	
4,4'-DDT (DDT)	50.0	34.5	69.0	50.0	36.3	72.6	5.1	50-150	<40	
Dieldrin	50.0	43.3	86.6	50.0	45.3	90.6	4.5	50-150	<40	
Endrin	50.0	35.2	70.4	50.0	38.7	77.4	9.5	50-150	<40	
Heptachlor	20.0	12.4	62.0	20.0	15.3	76.5	20.9	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	12.6	63.0	20.0	15.4	77.0	20.0	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	18.3	73.2	25.0	19.4	77.6	5.8	30-150	<40	
Tetrachloro-m-xylene	25.0	12.2	48.8	25.0	21.8	87.2	56.5	30-150	<40	



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## QUALITY CONTROL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042219EB2; Dup or Spiked Sample: 97343.39; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/25/2019;  
Units: ug/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
Aldrin	0.00	20.0	23.5	118	20.0	21.5	108	8.85	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	44.7	89.4	50.0	33.7	67.4	28.1	40-150	<40
Dieldrin	0.00	50.0	58.1	116	50.0	53.8	108	7.14	40-150	<40
Endrin	0.00	50.0	42.1	84.2	50.0	36.4	72.8	14.5	40-150	<40
Heptachlor	0.00	20.0	21.8	109	20.0	19.8	99.0	9.62	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.5	97.5	20.0	18.3	91.5	6.35	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	27.0	108	25.0	27.1	108	<1	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	26.3	105	25.0	27.8	111	5.71	30-150	<40

QC Batch No: 042219EB2; Dup or Spiked Sample: 97343.39; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/25/2019;  
Units: ug/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	
Aldrin	20.0	14.8	74.0	20.0	14.9	74.5	<1	50-150	<40	
4,4'-DDT (DDT)	50.0	28.3	56.6	50.0	32.0	64.0	12.3	50-150	<40	
Dieldrin	50.0	42.3	84.6	50.0	45.4	90.8	7.07	50-150	<40	
Endrin	50.0	31.4	62.8	50.0	34.8	69.6	10.3	50-150	<40	
Heptachlor	20.0	13.8	69.0	20.0	13.8	69.0	<1	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	14.1	70.5	20.0	14.4	72.0	2.11	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	17.9	71.6	25.0	20.0	80.0	11.7	30-150	<40	
Tetrachloro-m-xylene	25.0	16.4	65.6	25.0	16.0	64.0	2.44	30-150	<40	



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## QUALITY CONTROL RESULTS

### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 100

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 042319EB; Dup or Spiked Sample: 97375.04; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
Units: ug/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
Aldrin	0.00	20.0	22.6	113	20.0	19.8	99.0	13.2	40-150	<40
4,4'-DDT (DDT)	1.68	50.0	74.7	146	50.0	68.7	134	8.57	40-150	<40
Dieldrin	0.00	50.0	62.5	125	50.0	53.3	107	15.5	40-150	<40
Endrin	0.00	50.0	73.0	146	50.0	62.0	124	16.3	40-150	<40
Heptachlor	0.00	20.0	22.3	112	20.0	19.7	98.5	12.8	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.9	110	20.0	19.6	98.0	11.5	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	29.0	116	25.0	24.8	99.2	14.5	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	27.8	111	25.0	22.7	90.8	18.2	30-150	<40

QC Batch No: 042319EB; Dup or Spiked Sample: 97375.04; LCS: Clean Sand; QC Prepared: 04/23/2019; QC Analyzed: 04/25/2019;  
Units: ug/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	
Aldrin	20.0	20.0	100	20.0	19.1	95.5	4.60	50-150	<40	
4,4'-DDT (DDT)	50.0	56.9	114	50.0	44.0	88.0	25.7	50-150	<40	
Dieldrin	50.0	52.9	106	50.0	49.1	98.2	7.64	50-150	<40	
Endrin	50.0	51.8	104	50.0	45.7	91.4	12.9	50-150	<40	
Heptachlor	20.0	19.6	98.0	20.0	18.5	92.5	5.77	50-150	<40	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	19.4	97.0	20.0	18.3	91.5	5.84	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	25.0	100	25.0	21.8	87.2	12.8	30-150	<40	
Tetrachloro-m-xylene	25.0	23.4	93.6	25.0	23.4	93.6	<1	30-150	<40	



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### QUALITY CONTROL RESULTS

**Ordered By****Site**

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3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 101

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 042519ZB1; Dup or Spiked Sample: 97402.01; LCS: Clean Sand; QC Prepared: 04/25/2019; QC Analyzed: 04/25/2019;  
Units: ug/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
Aroclor-1016 (PCB-1016)	0.00	500	250	50.0	500	372	74.4	39.2	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	527	105	500	453	90.6	14.7	50-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	25.0	28.5	114	25.0	29.4	118	3.51	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	12.7	50.8	25.0	21.2	84.8	66.9	30-150	<40

QC Batch No: 042519ZB1; Dup or Spiked Sample: 97402.01; LCS: Clean Sand; QC Prepared: 04/25/2019; QC Analyzed: 04/25/2019;  
Units: ug/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	
Aroclor-1016 (PCB-1016)	500	333	66.6	500	415	83.0	21.9	50-150	<40	
Aroclor-1260 (PCB-1260)	500	462	92.4	500	526	105	12.8	50-150	<40	
<b>Surrogates</b>										
Decachlorobiphenyl	25.0	33.8	135	25.0	37.2	149	10.4	30-150	<40	
Tetrachloro-m-xylene	25.0	25.1	100	25.0	26.8	107	7.00	30-150	<40	



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## QUALITY CONTROL RESULTS

### Ordered By

### Site

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Belvedere Middle School  
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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 102

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419192A2; Dup or Spiked Sample: 97343.42; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/20/2019;

Units: ug/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
Benzene	0.00	50.0	41.6	83.2	50.0	41.2	82.4	<1	75-125	<20
Carbon tetrachloride	0.00	50.0	61.5	123	50.0	60.0	120	2.47	75-125	<20
Chlorobenzene	0.00	50.0	45.1	90.2	50.0	45.5	91.0	<1	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	45.5	91.0	50.0	44.2	88.4	2.90	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	43.0	86.0	50.0	42.8	85.6	<1	75-125	<20
1,1-Dichloroethane	0.00	50.0	50.0	100	50.0	49.7	99.4	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	43.3	86.6	50.0	43.2	86.4	<1	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	38.6	77.2	50.0	39.2	78.4	1.54	75-125	<20
Ethylbenzene	0.00	50.0	45.5	91.0	50.0	45.0	90.0	1.10	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	47.6	95.2	50.0	47.9	95.8	<1	75-125	<20
n-Propylbenzene	0.00	50.0	38.4	76.8	50.0	38.0	76.0	1.05	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	43.1	86.2	50.0	42.7	85.4	<1	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	57.0	114	50.0	56.5	113	<1	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	37.6	75.2	50.0	38.2	76.4	1.58	75-125	<20
Trichloroethene	0.00	50.0	51.0	102	50.0	50.0	100	1.98	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	45.3	90.6	50.0	44.6	89.2	1.56	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	44.7	89.4	50.0	43.8	87.6	2.03	75-125	<20
o-Xylene	0.00	50.0	45.9	91.8	50.0	45.6	91.2	<1	75-125	<20
m,p-Xylenes	0.00	100	88.2	88.2	100	87.0	87.0	1.37	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	42.8	85.6	50.0	42.3	84.6	1.17	75-125	<20
Dibromofluoromethane	0.00	50.0	49.1	98.1	50.0	47.9	95.7	2.45	75-125	<20
Toluene-d8	0.00	50.0	47.2	94.3	50.0	46.5	93.0	1.38	75-125	<20



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### QUALITY CONTROL RESULTS

Page: 103

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0419192A2; Dup or Spiked Sample: 97343.42; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/20/2019;  
Units: ug/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	
Benzene	50.0	43.9	87.8	50.0	45.7	91.0	3.58	75-125	<20	
Carbon tetrachloride	50.0	62.5	125	50.0	62.5	125	<1	75-125	<20	
Chlorobenzene	50.0	49.7	99.4	50.0	51.6	103	3.56	75-125	<20	
Chloroform (Trichloromethane)	50.0	49.1	98.2	50.0	49.8	100	1.82	75-125	<20	
1,2-Dichlorobenzene	50.0	49.4	98.8	50.0	51.3	103	4.16	75-125	<20	
1,1-Dichloroethane	50.0	56.9	114	50.0	58.3	117	2.60	75-125	<20	
1,1-Dichloroethene	50.0	45.9	91.8	50.0	47.6	95.0	3.43	75-125	<20	
cis-1,2-Dichloroethene	50.0	41.8	83.6	50.0	42.6	85.0	1.66	75-125	<20	
Ethylbenzene	50.0	49.2	98.4	50.0	51.3	103	4.57	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	60.2	120	50.0	61.3	123	2.47	75-125	<20	
n-Propylbenzene	50.0	41.5	83.0	50.0	43.9	88.0	5.85	75-125	<20	
Toluene (Methyl benzene)	50.0	45.9	91.8	50.0	48.0	96.0	4.47	75-125	<20	
1,1,1-Trichloroethane	50.0	59.1	118	50.0	61.7	123	4.15	75-125	<20	
1,1,2-Trichloroethane	50.0	47.6	95.2	50.0	49.1	98.0	2.90	75-125	<20	
Trichloroethene	50.0	50.2	100	50.0	51.7	103	2.96	75-125	<20	
1,2,4-Trimethylbenzene	50.0	47.9	95.8	50.0	51.0	102	6.27	75-125	<20	
1,3,5-Trimethylbenzene	50.0	47.0	94.0	50.0	49.8	100	6.19	75-125	<20	
o-Xylene	50.0	49.4	98.8	50.0	51.7	103	4.16	75-125	<20	
m,p-Xylenes	100	94.9	94.9	100	98.8	98.8	4.03	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	44.2	88.4	50.0	43.6	87.2	1.36	75-125	<20	
Dibromofluoromethane	50.0	49.6	99.1	50.0	48.5	96.9	2.22	75-125	<20	
Toluene-d8	50.0	46.3	92.7	50.0	46.6	93.1	<1	75-125	<20	



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
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#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 104

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 042219PB1; Dup or Spiked Sample: 97343.44; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/22/2019;  
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
TPH as Diesel (C13-C22)	0.00	500	529	106	500	531	106	<1	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	100	111	111	100	110	110	<1	75-125	<20

QC Batch No: 042219PB1; Dup or Spiked Sample: 97343.44; LCS: Clean Sand; QC Prepared: 04/22/2019; QC Analyzed: 04/22/2019;  
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	
TPH as Diesel (C13-C22)	500	495	99.0	500	502	100	1.01	75-125	<20	
<b>Surrogates</b>										
Chlorobenzene	100	109	109	100	113	113	3.67	75-125	<20	





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### QUALITY CONTROL RESULTS

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#### Site

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Telephone: (626)351-4664

Attn: Robert Sabater

Page: 105

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041919OB2; Dup or Spiked Sample: 97343.42AGA; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/20/2019;  
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
TPH as Gasoline and Light HC. (C4-C12)	0.0100	1.00	0.950	94.2	1.00	0.950	94.3	<1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0568	114	0.0500	0.0593	119	4.39	75-125	<20

QC Batch No: 041919OB2; Dup or Spiked Sample: 97343.42AGA; LCS: Clean Sand; QC Prepared: 04/19/2019; QC Analyzed: 04/20/2019;  
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	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.950	94.8	1.00	0.940	94.3	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	0.0500	0.0590	118	0.0500	0.0559	112	5.08	75-125	<20	



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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

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### Ordered By

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Number of Pages 4  
Date Received 04/18/2019  
Date Reported 06/12/2019

Telephone: (626)351-4664  
Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere Middle School  
Site: Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 2 soil 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

## CHAIN OF CUSTODY RECORD

442865

COMPANY Tetra Tech		PROJECT MANAGER Robert Subenter		AETL JOB No. 97343		Page 1 of 4	
COMPANY ADDRESS 301 E Vanderbilt way San Bernardino, Ca		PHONE 924 288		FAX		ANALYSIS REQUESTED	
PROJECT NAME		PROJECT # 102-HM6-T37254.02		TEST INSTRUCTIONS & COMMENTS STLC LEAD ADDED 5/14/19			
SITE NAME AND ADDRESS		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-27-0.5	97343.01	04/18/14	0743	S	1		
SB-27-0.5-FD	97343.02	04/18/14	0743	S	1		
SB-27-1.0	97343.03	04/18/14	0744	S	1		
SB-27-2.0	97343.04	04/18/14	0745	S	1		
SB-18-0.5	97343.05	04/18/14	0800	S	1		
SB-18-0.5-FD	97343.06	04/18/14	0800	S	1		
SB-18-1.0	97343.07	04/18/14	0801	S	1		
SB-18-2.0	97343.08	04/18/14	0802	S	1		
SB-19-0.5	97343.09	04/18/14	0819	S	1		
SB-19-0.5-FD	97343.10	04/18/14	0819	S	1		
SB-19-1.0	97343.11	04/18/14	0820	S	1		
SB-19-2.0	97343.12	04/18/14	0821	S	1		
SB-17-0.5	97343.13	04/18/14	0830	S	1		
SB-17-0.5-FD	97343.14	04/18/14	0830	S	1		
SB-17-0.1	97343.15	04/18/14	0830	S	1		
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1. Signature: [Signature] Printed Name: [Name] Date: 04/18/14 Time: 1720			
TOTAL NUMBER OF CONTAINERS 15		PROPERLY COOLED (Y/N/NA)		RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]		RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
CUSTODY SEALS Y (N/NA)		SAMPLES INTACT (Y/N/NA)		RECEIVED BY: 1. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]		RECEIVED BY: 2. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
RECEIVED IN GOOD COND. Y (N)		SAMPLES ACCEPTED Y (N)		RECEIVED BY: 3. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]		RECEIVED BY: 4. Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED					
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS					
		<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)					





# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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

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## CHAIN OF CUSTODY RECORD

112840

COMPANY <u>Tetra Tech</u>		PROJECT MANAGER		AETL JOB No. <u>97343</u>		Page <u>2</u> of <u>4</u>	
COMPANY ADDRESS		PHONE		FAX		ANALYSIS REQUESTED	
PROJECT NAME		PROJECT # <u>102-HMS-T37254-02</u>		TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
1 SB-17-1.0	<del>97343-16</del>	04/18/14	0831	S	1		
2 SB-17-2.0	<del>97343-17</del>	04/18/14	0832	S	1		
3 SB-21-0.5	<del>97343-18</del>	04/18/14	0840	S	1		
4 SB-21-0.5FD	<del>97343-19</del>	04/18/14	0840	S	1		
5 SB-21-1.0	<del>97343-20</del>	04/18/14	0841	S	1		
6 SB-21-2.0	<del>97343-21</del>	04/18/14	0842	S	1		
7 SB-16-0.5	<del>97343-22</del>	04/18/14	0905	S	1		
8 SB-16-0.5FD	<del>97343-23</del>	04/18/14	0905	S	1		
9 SB-16-1.0	<del>97343-24</del>	04/18/14	0906	S	1		
10 SB-16-2.0	<del>97343-25</del>	04/18/14	0907	S	1		
11 SB-30-0.5	<del>97343-26</del>	04/18/14	0930	S	1		
12 SB-30-0.5FD	<del>97343-27</del>	04/18/14	0930	S	1		
13 SB-30-1.0	<del>97343-28</del>	04/18/14	0931	S	1		
14 SB-30-2.0	<del>97343-29</del>	04/18/14	0932	S	1		
15 SB-13-0.5	<del>97343-30</del>	04/18/14	0950	S	1		
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						RELINQUISHED BY: 1.	
TOTAL NUMBER OF CONTAINERS <u>15</u>		PROPERLY COOLED <u>Y</u> / N / NA		Signature: <u>[Signature]</u>		RELINQUISHED BY: 2.	
CUSTODY SEALS <u>Y</u> (N) NA		SAMPLES INTACT <u>Y</u> / N / NA		Printed Name: <u>Rate Layer</u>		RELINQUISHED BY: 3.	
RECEIVED IN GOOD COND. <u>Y</u> / N		SAMPLES ACCEPTED <u>Y</u> / N		Date: <u>04/18/14</u> Time: <u>1720</u>		Signature: <u>[Signature]</u>	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>	
<input type="checkbox"/> SAME DAY		<input type="checkbox"/> PDF		Printed Name: <u>[Signature]</u>		Printed Name: <u>[Signature]</u>	
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Date: <u>04/18/14</u> Time: <u>1720</u>		Date: <u>04/18/14</u> Time: <u>1720</u>	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)					
<input type="checkbox"/> 3 DAYS							

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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**CHAIN OF CUSTODY RECORD**

112841

COMPANY		PROJECT MANAGER		AETL JOB No.		Page 3 of 4	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		FAX		PROJECT #			
SITE NAME AND ADDRESS		PO #		PROJECT #			
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-13-0.5FD	97343-31	04/18/14	0950	S	1		97343-30
SB-13-1.0	97343-32	04/18/14	0951	S	1		97343-31
SB-13-2.0	97343-33	04/18/14	0952	S	1		97343-32
SB-11-0.5	97343-34	04/18/14	1010	S	1		97343-33
SB-11-0.5-FD	97343-35	04/18/14	1010	S	1		97343-34
SB-11-1.0	97343-36	04/18/14	1011	S	1		97343-35
SB-11-2.0	97343-37	04/18/14	1012	S	1		97343-36
SB-12-0.5	97343-38	04/18/14	1025	S	1		97343-37
SB-12-0.5-FD	97343-39	04/18/14	1025	S	1		97343-38
SB-12-1.0	97343-40	04/18/14	1026	S	1		97343-39
SB-12-2.0	97343-41	04/18/14	1027	S	1		97343-40
SB-41-3.0	97343-42	04/18/14	1055	S	5		NO PCBs 2/2 97343-41
SB-41-3.0-FD	97343-43	04/18/14	1055	S	5		NO PCBs 2/2 97343-42
SB-41-5.0	97343-44	04/18/14	1056	S	5		97343-43
SB-41-9.0	97343-45	04/18/14	1057	S	5		97343-44
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER: 1.		RELINQUISHED BY: 2.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y/N/NA		Signature:		Signature:	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date:		Date:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature:		Signature:	
<input type="checkbox"/> SAME DAY		<input type="checkbox"/> PDF		Printed Name:		Printed Name:	
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Date:		Date:	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Time:		Time:	
<input type="checkbox"/> 3 DAYS				Date:		Date:	
				Time:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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## CHAIN OF CUSTODY RECORD

112842

COMPANY <u>Petra Tech</u>			PROJECT MANAGER <u>Robert Schubert</u>			AETL JOB No. <u>97343</u>			Page <u>4</u> of <u>4</u>		
COMPANY ADDRESS			PHONE			ANALYSIS REQUESTED			TEST INSTRUCTIONS & COMMENTS		
			FAX								
PROJECT NAME			PROJECT # <u>102-HM6-T37254.02</u>								
SITE NAME AND ADDRESS			PO #								

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Aspirate	Ammonium	Bo20	Tit1622	CAN17	organochlorine	pesticides	0081A	PCBs	80822A	VOLs	8260B	TPH-gas	8015M	8015M	TPH-Cut/Petroleum	TPH-Metals	11des	8015M		
SB-12-1.0-FD	97343-46	04/18/19	1026	S	1										X											97343-45	
SB-14-0.5	97343-47	04/18/19	1350	S	1		X	X	X																	97343-46	
SB-14-0.5-FD	97343-48	04/18/19	1350	S	1		X	X	X																	97343-47	
SB-14-1.0	97343-49	04/18/19	1351	S	1		X	X	X																	97343-48	
SB-14-2.0	97343-50	04/18/19	1352	S	1		X	X	X																	97343-49	
SB-15-0.5	97343-51	04/18/19	1410	S	1		X	X	X																	97343-50	
SB-15-0.5-FD	97343-52	04/18/19	1410	S	1		X	X	X																	97343-51	
SB-15-1.0	97343-53	04/18/19	1411	S	1		X	X	X																	97343-52	
SB-15-2.0	97343-54	04/18/19	1412	S	1		X	X	X																	97343-53	
IDW	97343-55	04/18/19	1600	W	8					X							X	X				X				97343-54	
TB-20190418-N/T	97343-56	04/18/19	0700	W	3												X									97343-55	
EB-20190418-N/T	97343-57	04/18/19	1500	W	1					X																97343-56	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	21	PROPERLY COOLED	Y/N/NA	Signature:		Signature:		Signature:	
CUSTODY SEALS	Y(N)/NA	SAMPLES INTACT	Y/N/NA	Printed Name:	<u>Nate Taylor</u>	Printed Name:		Printed Name:	
RECEIVED IN GOOD COND.	(Y)N	SAMPLES ACCEPTED	(Y)N	Date:	04/18/19	Date:		Date:	
				Time:	1720	Time:		Time:	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) _____ <input type="checkbox"/> OTHER (PLEASE SPECIFY) _____				Signature:		Signature:		Signature:	<u>AETL</u>
				Printed Name:		Printed Name:		Printed Name:	
				Date:		Date:		Date:	
				Time:		Time:		Time:	1720

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



## JIM LIN

---

**From:** Sabater, Robert <Robert.Sabater@tetrattech.com>  
**Sent:** Tuesday, May 14, 2019 12:47 PM  
**To:** Jim Lin  
**Cc:** Nelson, Eric J  
**Subject:** Request for STLC and TCLP analyses  
**Attachments:** AETL\_Belvedere MS COC\_STLC\_TCLP.pdf

Jim,

Attached is are the COCs for the requested analyses as detailed below:

Sample ID	Lead	STLC (Lead)	TCLP (Lead)
SB-05-0.5	178	X	X
SB-18-0.5	94.7	X	
SB-19-0.5	50.8	X	
SB-20-1.0	64	X	
SB-20-2.0	94.8	X	
SB-22-0.5	66.5	X	
SB-23-1.0	82.8	X	
SB-31-0.5	66.8	X	
SB-31-1.0	81	X	
SB-33-0.5	79.8	X	
SB-34-0.5	80	X	
SB-34-1.0	109	X	X

Please let me know if you have any questions.

Regards,

**Robert M Sabater** | Project Manager

Direct +1 (626) 470-2457 | Business +1 (626) 351-4664 | Mobile +1 (626) 429-0902 | [robert.sabater@tetrattech.com](mailto:robert.sabater@tetrattech.com)

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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 56 samples with the following specification on 04/18/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97343.54	IDW	04/18/2019	Aqueous	8		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010/7000CAM	04/25/2019	2	Normal	mg/L	
	8260B	04/25/2019	2	Normal	ug/L	
	M8015D ^ C13-C40	04/25/2019	2	Normal	mg/L	
	M8015G	04/25/2019	2	Normal	mg/L	
97343.55	TB-20190418-NT	04/18/2019	Aqueous	3		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	8260B	04/25/2019	2	Normal	ug/L	
97343.56	EB-20190418-NT	04/18/2019	Aqueous	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010/7000CAM	04/25/2019	2	Normal	mg/L	
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
97343.01	SB-27-0.5	04/18/2019	Soil	1		
97343.02	SB-27-0.5-FD	04/18/2019	Soil	1		
97343.03	SB-27-1.0	04/18/2019	Soil	1		
97343.04	SB-27-2.0	04/18/2019	Soil	1		
97343.06	SB-18-0.5-FD	04/18/2019	Soil	1		
97343.07	SB-18-1.0	04/18/2019	Soil	1		
97343.08	SB-18-2.0	04/18/2019	Soil	1		
97343.10	SB-19-0.5FD	04/18/2019	Soil	1		
97343.11	SB-19-1.0	04/18/2019	Soil	1		
97343.12	SB-19-2.0	04/18/2019	Soil	1		
97343.13	SB-17-0.5	04/18/2019	Soil	1		
97343.14	SB-17-0.5FD	04/18/2019	Soil	1		

Continued



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Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97343.15	SB-17-1.0	04/18/2019	Soil	1
97343.16	SB-17-2.0	04/18/2019	Soil	1
97343.17	SB-21-0.5	04/18/2019	Soil	1
97343.18	SB-21-0.5FD	04/18/2019	Soil	1
97343.19	SB-21-1.0	04/18/2019	Soil	1
97343.20	SB-21-2.0	04/18/2019	Soil	1
97343.21	SB-16-0.5	04/18/2019	Soil	1
97343.22	SB-16-0.5-FD	04/18/2019	Soil	1
97343.23	SB-16-1.0	04/18/2019	Soil	1
97343.24	SB-16-2.0	04/18/2019	Soil	1
97343.25	SB-30-0.5	04/18/2019	Soil	1
97343.26	SB-30-0.5-FD	04/18/2019	Soil	1
97343.27	SB-30-1.0	04/18/2019	Soil	1
97343.28	SB-30-2.0	04/18/2019	Soil	1
97343.29	SB-13-0.5	04/18/2019	Soil	1
97343.30	SB-13-0.5-FD	04/18/2019	Soil	1
97343.31	SB-13-1.0	04/18/2019	Soil	1
97343.32	SB-13-2.0	04/18/2019	Soil	1
97343.33	SB-11-0.5	04/18/2019	Soil	1
97343.34	SB-11-0.5FD	04/18/2019	Soil	1
97343.35	SB-11-1.0	04/18/2019	Soil	1
97343.36	SB-11-2.0	04/18/2019	Soil	1
97343.46	SB-14-0.5	04/18/2019	Soil	1
97343.47	SB-14-0.5-FD	04/18/2019	Soil	1
97343.48	SB-14-1.0	04/18/2019	Soil	1
97343.49	SB-14-2.0	04/18/2019	Soil	1
97343.50	SB-15-0.5	04/18/2019	Soil	1
97343.51	SB-15-0.5-FD	04/18/2019	Soil	1
97343.52	SB-15-1.0	04/18/2019	Soil	1

Continued



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## Ordered By

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3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

97343.53	SB-15-2.0	04/18/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/25/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/25/2019	2	Normal	mg/Kg
(8081A)	04/25/2019	2	Normal	ug/Kg
97343.05	SB-18-0.5	04/18/2019	Soil	1
97343.09	SB-19-0.5	04/18/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B-STLC) ^ SCE-PB	04/25/2019	2	Normal	mg/L
(6010B/7000CAM)	04/25/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/25/2019	2	Normal	mg/Kg
(8081A)	04/25/2019	2	Normal	ug/Kg
97343.37	SB-12-0.5	04/18/2019	Soil	1
97343.38	SB-12-0.5-FD	04/18/2019	Soil	1
97343.39	SB-12-1.0	04/18/2019	Soil	1
97343.40	SB-12-2.0	04/18/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/25/2019	2	Normal	mg/Kg
(6020) ^ AS-TL-1	04/25/2019	2	Normal	mg/Kg
(8081A)	04/25/2019	2	Normal	ug/Kg
(8082)	04/25/2019	2	Normal	ug/Kg
97343.41	SB-41-3.0	04/18/2019	Soil	5
97343.42	SB-41-3.0-FD	04/18/2019	Soil	5
97343.43	SB-41-5.0	04/18/2019	Soil	5
97343.44	SB-41-9.0	04/18/2019	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	04/25/2019	2	Normal	mg/Kg
(8260B)	04/25/2019	2	Normal	ug/Kg
(M8015D) ^ C13-C40	04/25/2019	2	Normal	mg/Kg
(M8015G)	04/25/2019	2	Normal	mg/Kg

Continued



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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 04/18/2019

Date Reported 05/07/2019

Telephone: (626) 351-4664

Attention: Robert Sabater

Job Number	Order Date	Client
97343	04/18/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
97343.45	SB-12-1.0-FD	04/18/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(8082)	04/25/2019	2	Normal	ug/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**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C4

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		05/17/2019				
Preparation Method		TITLE 22				
Date Analyzed		05/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.05	ND			



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 3

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C4

Our Lab I.D.		97343.05	97343.09			
Client Sample I.D.		SB-18-0.5	SB-19-0.5			
Date Sampled		04/18/2019	04/18/2019			
Date Prepared		05/17/2019	05/17/2019			
Preparation Method		TITLE 22	TITLE 22			
Date Analyzed		05/21/2019	05/21/2019			
Matrix		Soil	Soil			
Units		mg/L	mg/L			
Dilution Factor		10	10			
Analytes	MDL	PQL	Results	Results		
Lead (STLC)	0.50	0.50	3.98	1.47		



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

Belvedere Middle School  
312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)351-4664

Attn: Robert Sabater

Page: 4

Project ID: 102-HMG-T37254.07

Project Name: Belvedere Middle School

AETL Job Number	Submitted	Client
97343	04/18/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration of Lead

QC Batch No: 0517192C4; Dup or Spiked Sample: 97269.25; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	2.75	2.80	1.8	<20						

QC Batch No: 0517192C4; Dup or Spiked Sample: 97269.25; LCS: Clean Sand; LCS Prepared: 05/17/2019; LCS Analyzed: 05/21/2019;  
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	
Lead (STLC)	10.0	8.40	84.0	10.0	8.42	84.2	<1	75-125	<20	





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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

---



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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 39  
Date Received 08/01/2019  
Date Reported 08/08/2019

Telephone: (626)470-2391  
Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD  
Site: 312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 75 soil and 1 water 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



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## CHAIN OF CUSTODY RECORD

103709

99653

Page 1 of 6

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>Eric Nelson</b>		AETL JOB No.		Page 1 of 6	
COMPANY ADDRESS <b>3475 East Foothill Blvd. Pasadena, CA</b>		PHONE <b>626-470-2391</b>		FAX		ANALYSIS REQUESTED	
PROJECT NAME <b>Belvedere MS LAUSD</b>		PROJECT # <b>102-HMG-737254.07</b>		TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS <b>312 N. Record Ave, Los Angeles, CA</b>		PO #					
<b>Eric J. Nelson @ Tetra tech.com</b>							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-23-E-0.5	99653.01	08/01/2019	1032	Soil	1 GL 402		Lead 6010B
SB-23-E-1.0	99653.02		↓				X
SB-23-E-2.0	99653.03		↓				X
SB-23-S-0.5	99653.04		1040				X
SB-23-S-1.0	99653.05		↓				X
SB-23-S-2.0	99653.06		↓				X
SB-23-W-0.5	99653.07		1050				X
SB-23-W-1.0	99653.08		↓				X
SB-23-W-2.0	99653.09		↓				X
SB-23-W-2.0-7D	99653.10		↓				X
SB-31-E-0.5	99653.11		1213				X
SB-31-E-1.0	99653.12		↓				X
SB-31-E-2.0	99653.13		↓				X
EB-20190801-LW	99653/14	08-01-19	1355	W	1250mL PL		X
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y/N/NA		Signature:		Signature:	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date:		Date:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature:		Signature:	
<input type="checkbox"/> SAME DAY		<input type="checkbox"/> PDF		Printed Name:		Printed Name:	
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Date:		Date:	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Time:		Time:	
<input type="checkbox"/> 3 DAYS				Signature:		Signature:	
				Printed Name:		Printed Name:	
				Date:		Date:	
				Time:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

106774

99653

Page 2 of 5

COMPANY <b>Tetrattech</b>	PROJECT MANAGER <b>Eric Nelson</b>
COMPANY ADDRESS <b>3475 East Foothill Blvd Pasadena CA</b>	PHONE <b>626-470-2391</b>
PROJECT NAME <b>Belvedere MS, LACS</b>	PROJECT # <b>102-HMG-T37254.07</b>
SITE NAME AND ADDRESS <b>312 N. Record Ave. Los Angeles CA</b>	PO # <b>Eric J. Nelson@Tetrattech.com</b>

AETL JOB No.

### ANALYSIS REQUESTED

### TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 SB-05-S-0.5	99653.15	08-01-19	0811	Coil	1 AL 402	
2 SB-05-S-1.0	99653.16		↓			
3 SB-05-S-2.0	99653.17		↓			
4 SB-05-E-0.5	99653.18		0820			
5 SB-05-E-1.0	99653.19		↓			
6 SB-05-E-2.0	99653.20		↓			
7 SB-05-N-0.5	99653.21		0827			
8 SB-05-N-1.0	99653.22		↓			
9 SB-05-N-2.0	99653.23		↓			
10 SB-05-W-0.5	99653.24		0834			
11 SB-05-W-1.0	99653.25		↓			
12 SB-05-W-2.0	99653.26		↓			
13 SB-22-E-0.5	99653.27		0912			
14 SB-22-E-1.0	99653.28		↓			
15 SB-22-E-2.0	99653.29		↓			

Lead 6010B

### SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS <b>15</b>	PROPERLY COOLED <input checked="" type="checkbox"/> Y / N / NA
CUSTODY SEALS <input checked="" type="checkbox"/> Y / N / NA	SAMPLES INTACT <input checked="" type="checkbox"/> Y / N / NA
RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y / N	SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y / N

### TURN AROUND TIME

### DATA DELIVERABLE REQUIRED

<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)
		<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)

### RELINQUISHED BY SAMPLER:

1. Signature: **[Signature]**  
Printed Name: **Charlie Van**  
Date: **8-1-19** Time: **1515**

### RECEIVED BY:

1. Signature: **[Signature]**  
Printed Name: **Thomas B. B.**  
Date: **8-1-19** Time: **1515**

### RELINQUISHED BY:

2. Signature: **[Signature]**  
Printed Name: **[Signature]**  
Date: **8-1-19** Time: **1635**

### RECEIVED BY:

2. Signature: **[Signature]**  
Printed Name: **[Signature]**  
Date: **8-1-19** Time: **1635**

### RELINQUISHED BY:

3. Signature: **[Signature]**  
Printed Name: **[Signature]**  
Date: **8-1-19** Time: **1635**

### RECEIVED BY LABORATORY:

3. Signature: **[Signature]**  
Printed Name: **[Signature]**  
Date: **8-1-19** Time: **1635**





# American Environmental Testing Laboratory Inc.

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## CHAIN OF CUSTODY RECORD

106773

99653

Page 3 of 5

COMPANY <i>Tetra Tech</i>	PROJECT MANAGER <i>Eric Nelson</i>
COMPANY ADDRESS <i>3475 East Foothill Blvd Pasadena CA</i>	PHONE <i>626-470-2391</i>
PROJECT NAME <i>Belvedere MS LAUSD</i>	PROJECT # <i>102-HMG-T37254.07</i>
SITE NAME AND ADDRESS <i>312 N. Record Ave. Los Angeles, CA</i> <i>Eric J. Nelson@TetraTech.com</i>	

AETL JOB No.

### ANALYSIS REQUESTED

### TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 SB-22-S-0.5	99653.30	080119	0927	Soil	16L 402	
2 SB-22-S-1.0	99653.31					
3 SB-22-S-2.0	99653.32					
4 SB-22-S-0.5	99653.33		0935			
5 SB-22-N-0.5-FD	99653.34					
6 SB-22-N-1.0	99653.35					
7 SB-22-N-2.0	99653.36					
8 SB-22-E-0.5	99653.37		0957			
9 SB-22-E-1.0	99653.38					
10 SB-22-E-2.0	99653.39					
11 SB-22-N-0.5	99653.40		1010			
12 SB-22-N-1.0	99653.41					
13 SB-22-N-2.0	99653.42					
14 SB-22-N-2.0-FD	99653.43					
15						

Lead 6010B  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X

### SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS <i>19</i>	PROPERLY COOLED Y/N/NA <i>Y</i>
CUSTODY SEALS Y/N/NA <i>Y</i>	SAMPLES INTACT Y/N/NA <i>Y</i>
RECEIVED IN GOOD COND. Y/N <i>Y</i>	SAMPLES ACCEPTED Y/N <i>Y</i>

### TURN AROUND TIME

### DATA DELIVERABLE REQUIRED

<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)
		<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)

### RELINQUISHED BY SAMPLER:

1.

Signature: <i>[Signature]</i>
Printed Name: <i>Charles Mann</i>
Date: <i>8-1-19</i>
Time: <i>1515</i>

### RECEIVED BY:

1.

Signature: <i>[Signature]</i>
Printed Name: <i>Charles Mann</i>
Date: <i>8-1-19</i>
Time: <i>1815</i>

### RELINQUISHED BY:

2.

Signature: <i>[Signature]</i>
Printed Name: <i>[Signature]</i>
Date: <i>8-1-19</i>
Time: <i>1635</i>

### RECEIVED BY:

2.

Signature: <i>[Signature]</i>
Printed Name: <i>[Signature]</i>
Date: <i>8-1-19</i>
Time: <i>1635</i>

### RELINQUISHED BY:

3.

Signature: <i>[Signature]</i>
Printed Name: <i>[Signature]</i>
Date: <i>8-1-19</i>
Time: <i>1635</i>

### RECEIVED BY LABORATORY:

3.

Signature: <i>[Signature]</i>
Printed Name: <i>[Signature]</i>
Date: <i>8-1-19</i>
Time: <i>1635</i>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## CHAIN OF CUSTODY RECORD

114887

99653

Page 4 of 5

COMPANY <u>Tetra Tech</u>	PROJECT MANAGER <u>Eric Nelson</u>
COMPANY ADDRESS <u>3415 E. Foothill Blvd. Pasadena, CA.</u>	PHONE <u>626-470-2391</u>
PROJECT NAME <u>Belvedere MS LAUSD</u>	PROJECT # <u>102-Hmg-T37254.07</u>
SITE NAME AND ADDRESS <u>312 N. Record Ave. Los Angeles CA.</u> <u>Eric J. Nelson @tetra tech. com.</u>	PO #

AETL JOB No.

### ANALYSIS REQUESTED

### TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 SB-31-N-2.5	99653.44	08-01-19	1220	Soil	1 GL 402	
2 SB-31-N-1.0	99653.45					
3 SB-31-N-2.0	99653.46					
4 SB-31-W-0.5	99653.47		1227			
5 SB-31-W-1.0	99653.48					
6 SB-31-W-2.0	99653.49					
7 SB-31-SW-0.5	99653.50		1240			
8 SB-31-SW-1.0	99653.51					
9 SB-31-SW-2.0	99653.52					
10 SB-34-N-2.5	99653.53		1310			
11 SB-34-N-1.0	99653.54					
12 SB-34-N-1.0-7D	99653.55					
13 SB-34-N-2.0	99653.56					
14 SB-33-S-1.0	99653.57		1341			
15 SB-33-S-2.0	99653.58		1341			

Lead 6010B

### SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS <u>15</u>	PROPERLY COOLED Y / N / NA
CUSTODY SEALS Y / N / NA	SAMPLES INTACT Y / N / NA
RECEIVED IN GOOD COND. Y / N	SAMPLES ACCEPTED Y / N

### TURN AROUND TIME

### DATA DELIVERABLE REQUIRED

☒ NORMAL ☐ RUSH

☐ SAME DAY  
☐ NEXT DAY  
☐ 2 DAYS  
☐ 3 DAYS

☐ HARD COPY  
☐ PDF  
☐ GEOTRACKER (GLOBAL ID)  
☐ OTHER (PLEASE SPECIFY)

### RELINQUISHED BY SAMPLER:

Signature: [Signature]  
Printed Name: Charlie Wynn  
Date: 8-1-19 Time: 1515

### RECEIVED BY:

Signature: [Signature]  
Printed Name: Thomas Nelson  
Date: 8-1-19 Time: 1515

### RELINQUISHED BY:

Signature: [Signature]  
Printed Name: [Signature]  
Date: 8-1-19 Time: 1635

### RECEIVED BY:

Signature: [Signature]  
Printed Name: [Signature]  
Date: 8-1-19 Time: 1635

### RELINQUISHED BY:

Signature: [Signature]  
Printed Name: Thomas Nelson  
Date: 8-1-19 Time: 1635

### RECEIVED BY LABORATORY:

Signature: [Signature]  
Printed Name: [Signature]  
Date: 8-1-19 Time: 1635



## CHAIN OF CUSTODY RECORD

99652

114888

Page 5 of 5

COMPANY <b>Tetra Tech Inc</b>		PROJECT MANAGER <b>Eve Nelson</b>		AETL JOB No. <b>17053</b>		Page <b>5</b> of <b>5</b>	
COMPANY ADDRESS <b>2015 E. Foothill Blvd, Pasadena, CA.</b>		PHONE <b>626-470-2391</b>		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME <b>Baldern MS LAUSD</b>		PROJECT # <b>102-HMG-T37254.07</b>					
SITE NAME AND ADDRESS <b>312 N. Record Ave. Los Angeles CA. Evej. Nelson@tetratech.com</b>		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
1 SB-34-W-0.5	99653.59	08-01-19	1315	Soil	1 Lt. 4oz		
2 SB-34-W-1.0	99653.60				1		
3 SB-34-W-2.0	99653.61				1		
4 SB-34-W-2.0-FD	99653.62				1		
5 SB-34-S-0.5	99653.63		1322		1		
6 SB-34-S-1.0	99653.64				1		
7 SB-34-S-2.0	99653.65				1		
8 SB-33-W-0.5	99653.66		1327		1		
9 SB-33-W-1.0	99653.67				1		
10 SB-33-W-2.0	99653.68				1		
11 SB-33-E-0.5	99653.69		1335		1		
12 SB-33-E-1.0	99653.70				1		
13 SB-33-E-2.0	99653.71				1		
14 SB-33-S-0.5	99653.72		1341		1		
15 SB-33-S-0.5-FD	99653.73		1341		1		
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y / N / NA		Signature:		Signature:	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N		Date:		Date:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature:		Signature:	
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> PDF		Printed Name:		Printed Name:	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Date:		Date:	
<input type="checkbox"/> 3 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Time:		Time:	



## CHAIN OF CUSTODY RECORD

114313

AETL JOB No.

99653

Page 6 of 6[illegible]



# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>			
Project Name:			
AETL Job Number: <u>99653</u>			
Date Received: <u>08/02/19</u>		Received by: <u>Ad</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input 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>1</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 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 <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <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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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/08/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 76 samples with the following specification on 08/01/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
99653.14	EB-20190801-CW	08/01/2019	Aqueous	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	6010B.LEAD	08/08/2019	2	Normal	mg/L
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
99653.01	SB-23-E-0.5	08/01/2019	Soil	1	
99653.02	SB-23-E-1.0	08/01/2019	Soil	1	
99653.03	SB-23-E-2.0	08/01/2019	Soil	1	
99653.04	SB-23-S-0.5	08/01/2019	Soil	1	
99653.05	SB-23-S-1.0	08/01/2019	Soil	1	
99653.06	SB-23-S-2.0	08/01/2019	Soil	1	
99653.07	SB-23-W-0.5	08/01/2019	Soil	1	
99653.08	SB-23-W-1.0	08/01/2019	Soil	1	
99653.09	SB-23-W-2.0	08/01/2019	Soil	1	
99653.10	SB-23-W-2.0-FD	08/01/2019	Soil	1	
99653.11	SB-31-E-0.5	08/01/2019	Soil	1	
99653.12	SB-31-E-1.0	08/01/2019	Soil	1	
99653.13	SB-31-E-2.0	08/01/2019	Soil	1	
99653.15	SB-05-S-0.5	08/01/2019	Soil	1	
99653.16	SB-05-S-1.0	08/01/2019	Soil	1	
99653.17	SB-05-S-2.0	08/01/2019	Soil	1	
99653.18	SB-05-E-0.5	08/01/2019	Soil	1	
99653.19	SB-05-E-1.0	08/01/2019	Soil	1	
99653.20	SB-05-E-2.0	08/01/2019	Soil	1	
99653.21	SB-05-N-0.5	08/01/2019	Soil	1	
99653.22	SB-05-N-1.0	08/01/2019	Soil	1	

Continued



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## Ordered By

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Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/08/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

99653.23	SB-05-N-2.0	08/01/2019	Soil	1
99653.24	SB-05-W-0.5	08/01/2019	Soil	1
99653.25	SB-05-W-1.0	08/01/2019	Soil	1
99653.26	SB-05-W-2.0	08/01/2019	Soil	1
99653.27	SB-22-E-0.5	08/01/2019	Soil	1
99653.28	SB-22-E-1.0	08/01/2019	Soil	1
99653.29	SB-22-E-2.0	08/01/2019	Soil	1
99653.30	SB-22-S-0.5	08/01/2019	Soil	1
99653.31	SB-22-S-1.0	08/01/2019	Soil	1
99653.32	SB-22-S-2.0	08/01/2019	Soil	1
99653.33	SB-22-N-0.5	08/01/2019	Soil	1
99653.34	SB-22-N-0.5-FD	08/01/2019	Soil	1
99653.35	SB-22-N-1.0	08/01/2019	Soil	1
99653.36	SB-22-N-2.0	08/01/2019	Soil	1
99653.37	SB-20-E-0.5	08/01/2019	Soil	1
99653.38	SB-20-E-1.0	08/01/2019	Soil	1
99653.39	SB-20-E-2.0	08/01/2019	Soil	1
99653.40	SB-20-N-0.5	08/01/2019	Soil	1
99653.41	SB-20-N-1.0	08/01/2019	Soil	1
99653.42	SB-20-N-2.0	08/01/2019	Soil	1
99653.43	SB-20-N-2.0-FD	08/01/2019	Soil	1
99653.44	SB-31-N-0.5	08/01/2019	Soil	1
99653.45	SB-31-N-1.0	08/01/2019	Soil	1
99653.46	SB-31-N-2.0	08/01/2019	Soil	1
99653.47	SB-31-W-0.5	08/01/2019	Soil	1
99653.48	SB-31-W-1.0	08/01/2019	Soil	1
99653.49	SB-31-W-2.0	08/01/2019	Soil	1
99653.50	SB-31-SW-0.5	08/01/2019	Soil	1
99653.51	SB-31-SW-1.0	08/01/2019	Soil	1

Continued





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## Ordered By

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Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/08/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

99653.52	SB-31-SW-2.0	08/01/2019	Soil	1
99653.53	SB-34-N-0.5	08/01/2019	Soil	1
99653.54	SB-34-N-1.0	08/01/2019	Soil	1
99653.55	SB-34-N-1.0-FD	08/01/2019	Soil	1
99653.56	SB-34-N-2.0	08/01/2019	Soil	1
99653.57	SB-33-S-1.0	08/01/2019	Soil	1
99653.58	SB-33-S-2.0	08/01/2019	Soil	1
99653.59	SB-34-W-0.5	08/01/2019	Soil	1
99653.60	SB-34-W-1.0	08/01/2019	Soil	1
99653.61	SB-34-W-2.0	08/01/2019	Soil	1
99653.62	SB-34-W-2.0-FD	08/01/2019	Soil	1
99653.63	SB-34-S-0.5	08/01/2019	Soil	1
99653.64	SB-34-S-1.0	08/01/2019	Soil	1
99653.65	SB-34-S-2.0	08/01/2019	Soil	1
99653.66	SB-33-W-0.5	08/01/2019	Soil	1
99653.67	SB-33-W-1.0	08/01/2019	Soil	1
99653.68	SB-33-W-2.0	08/01/2019	Soil	1
99653.69	SB-33-E-0.5	08/01/2019	Soil	1
99653.70	SB-33-E-1.0	08/01/2019	Soil	1
99653.71	SB-33-E-2.0	08/01/2019	Soil	1
99653.72	SB-33-S-0.5	08/01/2019	Soil	1
99653.73	SB-33-S-0.5-FD	08/01/2019	Soil	1
99653.74	SB-20-W-0.5	08/01/2019	Soil	1
99653.75	SB-20-W-1.0	08/01/2019	Soil	1
99653.76	SB-20-W-2.0	08/01/2019	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	08/08/2019	2	Normal	mg/Kg

Continued



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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/08/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

### CERTIFICATE OF ANALYSIS

#### CASE NARRATIVE

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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**Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C2

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/05/2019				
Preparation Method		3050B				
Date Analyzed		08/06/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	2.5	5.0	ND			



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### ANALYTICAL RESULTS

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**Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C2

<b>Our Lab I.D.</b>		<b>99653.01</b>				
Client Sample I.D.		SB-23-E-0.5				
Date Sampled		08/01/2019				
Date Prepared		08/05/2019				
Preparation Method		3050B				
Date Analyzed		08/06/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		20				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	50	100	2,620			





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### ANALYTICAL RESULTS

**Ordered By****Site**

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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C2

Our Lab I.D.			99653.02	99653.03	99653.04	99653.05	99653.06
Client Sample I.D.			SB-23-E-1.0	SB-23-E-2.0	SB-23-S-0.5	SB-23-S-1.0	SB-23-S-2.0
Date Sampled			08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	20.6	8.74	18.9	4.06J	6.54



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### ANALYTICAL RESULTS

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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C2

Our Lab I.D.		99653.07	99653.08	99653.09	99653.10	
Client Sample I.D.		SB-23-W-0.5	SB-23-W-1.0	SB-23-W-2.0	SB-23-W-2.0-FD	
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	
Date Prepared		08/05/2019	08/05/2019	08/05/2019	08/05/2019	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		08/06/2019	08/06/2019	08/06/2019	08/06/2019	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	2.98J	11.4	24.6



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C3

Our Lab I.D.		Method Blank	99653.11	99653.12	99653.13	
Client Sample I.D.			SB-31-E-0.5	SB-31-E-1.0	SB-31-E-2.0	
Date Sampled			08/01/2019	08/01/2019	08/01/2019	
Date Prepared		08/05/2019	08/05/2019	08/05/2019	08/05/2019	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		08/06/2019	08/06/2019	08/06/2019	08/06/2019	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	26.9	24.3	31.7



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C3

Our Lab I.D.		99653.15	99653.16	99653.17	99653.18	99653.19
Client Sample I.D.		SB-05-S-0.5	SB-05-S-1.0	SB-05-S-2.0	SB-05-E-0.5	SB-05-E-1.0
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared		08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	13.4	6.42	4.69J	7.17

4.34J



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C3

Our Lab I.D.			99653.20	99653.21			
Client Sample I.D.			SB-05-E-2.0	SB-05-N-0.5			
Date Sampled			08/01/2019	08/01/2019			
Date Prepared			08/05/2019	08/05/2019			
Preparation Method			3050B	3050B			
Date Analyzed			08/06/2019	08/06/2019			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Lead	2.5	5.0	3.32J	21.7			



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### ANALYTICAL RESULTS

**Ordered By****Site**

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312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C5

Our Lab I.D.		Method Blank	99653.22	99653.23	99653.24	99653.25
Client Sample I.D.			SB-05-N-1.0	SB-05-N-2.0	SB-05-W-0.5	SB-05-W-1.0
Date Sampled			08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared		08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	11.0	4.99J	12.2



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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C5

Our Lab I.D.			99653.26	99653.27	99653.28	99653.29	99653.30
Client Sample I.D.			SB-05-W-2.0	SB-22-E-0.5	SB-22-E-1.0	SB-22-E-2.0	SB-22-S-0.5
Date Sampled			08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	2.86J	43.8	4.03J	3.63J	21.6



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C5

<b>Our Lab I.D.</b>		<b>99653.31</b>				
Client Sample I.D.		SB-22-S-1.0				
Date Sampled		08/01/2019				
Date Prepared		08/05/2019				
Preparation Method		3050B				
Date Analyzed		08/06/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	2.5	5.0	7.01			





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C6

Our Lab I.D.			Method Blank	99653.32	99653.33	99653.34	99653.35
Client Sample I.D.				SB-22-S-2.0	SB-22-N-0.5	SB-22-N-0.5-FD	SB-22-N-1.0
Date Sampled				08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	14.9	9.85	72.3	5.01



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C6

<b>Our Lab I.D.</b>			<b>99653.36</b>				
Client Sample I.D.			SB-22-N-2.0				
Date Sampled			08/01/2019				
Date Prepared			08/05/2019				
Preparation Method			3050B				
Date Analyzed			08/06/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead	2.5	5.0	3.08J				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C6

<b>Our Lab I.D.</b>		<b>99653.37</b>				
Client Sample I.D.		SB-20-E-0.5				
Date Sampled		08/01/2019				
Date Prepared		08/05/2019				
Preparation Method		3050B				
Date Analyzed		08/06/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	2.5	5.0	4.49J			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C6

Our Lab I.D.		99653.38	99653.39			
Client Sample I.D.		SB-20-E-1.0	SB-20-E-2.0			
Date Sampled		08/01/2019	08/01/2019			
Date Prepared		08/05/2019	08/05/2019			
Preparation Method		3050B	3050B			
Date Analyzed		08/06/2019	08/06/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		10	10			
Analytes	MDL	PQL	Results	Results		
Lead	25	50	273	390		



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C6

Our Lab I.D.		99653.40	99653.41			
Client Sample I.D.		SB-20-N-0.5	SB-20-N-1.0			
Date Sampled		08/01/2019	08/01/2019			
Date Prepared		08/05/2019	08/05/2019			
Preparation Method		3050B	3050B			
Date Analyzed		08/06/2019	08/06/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Lead	2.5	5.0	6.07	11.2		



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C7

Our Lab I.D.			Method Blank	99653.42	99653.43	99653.44	99653.45
Client Sample I.D.				SB-20-N-2.0	SB-20-N-2.0-FD	SB-31-N-0.5	SB-31-N-1.0
Date Sampled				08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	3.70J	5.80	16.1	117



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C7

Our Lab I.D.		99653.46	99653.47	99653.48	99653.49	99653.50
Client Sample I.D.		SB-31-N-2.0	SB-31-W-0.5	SB-31-W-1.0	SB-31-W-2.0	SB-31-SW-0.5
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared		08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	3.36J	113	118	41.4



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C7

<b>Our Lab I.D.</b>			<b>99653.51</b>				
Client Sample I.D.			SB-31-SW-1. 0				
Date Sampled			08/01/2019				
Date Prepared			08/05/2019				
Preparation Method			3050B				
Date Analyzed			08/06/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead	2.5	5.0	134				





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C8

Our Lab I.D.			Method Blank	99653.52	99653.53	99653.54	99653.55
Client Sample I.D.				SB-31-SW-2.0	SB-34-N-0.5	SB-34-N-1.0	SB-34-N-1.0-FD
Date Sampled				08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	169	86.6	44.2	54.2



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C8

Our Lab I.D.			99653.56	99653.57	99653.58	99653.59	99653.60
Client Sample I.D.			SB-34-N-2.0	SB-33-S-1.0	SB-33-S-2.0	SB-34-W-0.5	SB-34-W-1.0
Date Sampled			08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	20.8	48.7	17.3	58.4	172



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C8

<b>Our Lab I.D.</b>			<b>99653.61</b>				
Client Sample I.D.			SB-34-W-2.0				
Date Sampled			08/01/2019				
Date Prepared			08/05/2019				
Preparation Method			3050B				
Date Analyzed			08/06/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead	2.5	5.0	52.1				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C9

Our Lab I.D.			Method Blank	99653.62	99653.63	99653.64	99653.65
Client Sample I.D.				SB-34-W-2.0-FD	SB-34-S-0.5	SB-34-S-1.0	SB-34-S-2.0
Date Sampled				08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	31.8	39.6	8.20	4.16J



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C9

Our Lab I.D.		99653.66	99653.67	99653.68		
Client Sample I.D.		SB-33-W-0.5	SB-33-W-1.0	SB-33-W-2.0		
Date Sampled		08/01/2019	08/01/2019	08/01/2019		
Date Prepared		08/05/2019	08/05/2019	08/05/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		08/06/2019	08/06/2019	08/06/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	128	31.2	20.4	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C9

<b>Our Lab I.D.</b>			<b>99653.69</b>				
Client Sample I.D.			SB-33-E-0.5				
Date Sampled			08/01/2019				
Date Prepared			08/05/2019				
Preparation Method			3050B				
Date Analyzed			08/06/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead	25	50	242				



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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C9

Our Lab I.D.		99653.70	99653.71			
Client Sample I.D.		SB-33-E-1.0	SB-33-E-2.0			
Date Sampled		08/01/2019	08/01/2019			
Date Prepared		08/05/2019	08/05/2019			
Preparation Method		3050B	3050B			
Date Analyzed		08/06/2019	08/06/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Lead	2.5	5.0	8.53	4.96J		



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C10

<b>Our Lab I.D.</b>		Method Blank	99653.72			
Client Sample I.D.			SB-33-S-0.5			
Date Sampled			08/01/2019			
Date Prepared		08/05/2019	08/05/2019			
Preparation Method		3050B	3050B			
Date Analyzed		08/06/2019	08/06/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Lead	2.5	5.0	ND	90.4		





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C10

<b>Our Lab I.D.</b>			<b>99653.73</b>				
Client Sample I.D.			SB-33-S-0.5-FD				
Date Sampled			08/01/2019				
Date Prepared			08/05/2019				
Preparation Method			3050B				
Date Analyzed			08/06/2019				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead	25	50	274				



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C10

Our Lab I.D.		99653.74	99653.75	99653.76		
Client Sample I.D.		SB-20-W-0.5	SB-20-W-1.0	SB-20-W-2.0		
Date Sampled		08/01/2019	08/01/2019	08/01/2019		
Date Prepared		08/05/2019	08/05/2019	08/05/2019		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		08/06/2019	08/06/2019	08/06/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	5.56	85.5	5.72	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: 6010B.LEAD, Lead, ICP

QC Batch No: 0806192C1

Our Lab I.D.			Method Blank	99653.14			
Client Sample I.D.				EB-20190801 -CW			
Date Sampled				08/01/2019			
Date Prepared			08/06/2019	08/06/2019			
Preparation Method			3005A	3005A			
Date Analyzed			08/07/2019	08/07/2019			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Lead	0.05	0.10	ND	ND			



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: 6010B.LEAD, Lead, ICP

QC Batch No: 0806192C1; Dup or Spiked Sample: 99566.01; LCS: Clean Water; QC Prepared: 08/06/2019; QC Analyzed: 08/07/2019;  
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
Lead	0.00	1.00	0.825	82.5	1.00	0.831	83.1	<1	75-125	<15

QC Batch No: 0806192C1; Dup or Spiked Sample: 99566.01; LCS: Clean Water; QC Prepared: 08/06/2019; QC Analyzed: 08/07/2019;  
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	
Lead	1.00	0.874	87.4	1.00	0.864	86.4	1.2	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C10; Dup or Spiked Sample: 99653.72; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	90.4	50.0	125 #	69.2	50.0	124 #	67.2	2.9	75-125	<15

QC Batch No: 0805192C10; Dup or Spiked Sample: 99653.72; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	48.8	97.6	50.0	49.1	98.2	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C2; Dup or Spiked Sample: 99653.01; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	2,620	50.0	2,210 #	-814.0	50.0	2,200 #	-840.0	<1	75-125	<15

QC Batch No: 0805192C2; Dup or Spiked Sample: 99653.01; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.0	98.0	50.0	48.5	97.0	1.0	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C3; Dup or Spiked Sample: 99653.11; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	26.9	50.0	86.9	120	50.0	86.9	120	<1	75-125	<15

QC Batch No: 0805192C3; Dup or Spiked Sample: 99653.11; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.0	98.0	50.0	48.1	96.2	1.9	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C5; Dup or Spiked Sample: 99653.22; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	11.0	50.0	50.6	79.2	50.0	50.7	79.4	<1	75-125	<15

QC Batch No: 0805192C5; Dup or Spiked Sample: 99653.22; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.0	98.0	50.0	48.9	97.8	<1	75-125	<15	





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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C6; Dup or Spiked Sample: 99653.32; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	14.9	50.0	54.7	79.6	50.0	55.2	80.6	1.2	75-125	<15

QC Batch No: 0805192C6; Dup or Spiked Sample: 99653.32; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.1	98.2	50.0	49.4	98.8	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C7; Dup or Spiked Sample: 99653.42; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	3.70	50.0	43.9	80.4	50.0	43.9	80.4	<1	75-125	<15

QC Batch No: 0805192C7; Dup or Spiked Sample: 99653.42; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.1	98.2	50.0	48.9	97.8	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C8; Dup or Spiked Sample: 99653.52; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	169	50.0	373 #	408	50.0	376 #	414	1.5	75-125	<15

QC Batch No: 0805192C8; Dup or Spiked Sample: 99653.52; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	48.5	97.0	50.0	48.1	96.2	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C9; Dup or Spiked Sample: 99653.62; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	31.8	50.0	67.3 #	71.0	50.0	67.8 #	72.0	1.4	75-125	<15

QC Batch No: 0805192C9; Dup or Spiked Sample: 99653.62; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.0	98.0	50.0	49.1	98.2	<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

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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 16  
Date Received 08/01/2019  
Date Reported 08/28/2019

Telephone: (626)470-2391  
Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD  
Site: 312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 20 soil 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





# American Environmental Testing Laboratory Inc.

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## CHAIN OF CUSTODY RECORD

102709

99653

Page 1 of 5

COMPANY		PROJECT MANAGER		AETL JOB No.		Page	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		PROJECT #					
SITE NAME AND ADDRESS		PO #					
Tetra Tech		Eric Nelson		AETL JOB No. 99653		Page 1 of 5	
3475 Ecst Footl. 11 Blvd. Pasadena, CA		626-470-2391					
Belvedere MS LAUSD		102-HMG-737254.07					
312 N. Record Ave, Los Angeles, CA							
Eric J. Nelson @ Tetra tech.com							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-23-E-0.5	99653.01	08/01/19	1032	Soil	14 Qu		
SB-23-E-1.0	99653.02						
SB-23-E-2.0	99653.03						
SB-23-S-0.5	99653.04		1040				
SB-23-S-1.0	99653.05						
SB-23-S-2.0	99653.06						
SB-23-W-0.5	99653.07		1050				
SB-23-W-1.0	99653.08						
SB-23-W-2.0	99653.09						
SB-23-W-2.0-FD	99653.10						
SB-31-E-0.5	99653.11		1213				
SB-31-E-1.0	99653.12						
SB-31-E-2.0	99653.13						
EB-20190801-CW 99653.14		08-01-19	1355	W	1200m pl.		
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y/N/NA		Signature:		Signature:	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date:		Date:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF		Signature:		Signature:	
<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Printed Name:		Printed Name:	
<input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Date:		Date:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

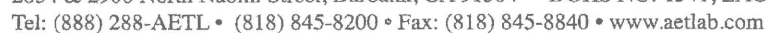
106774

99653

Page 2 of 5

COMPANY		PROJECT MANAGER		AETL JOB No.		Page	
Tetrattech		Eric Nelson		99653		2 of 5	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
3475 East Foothill Blvd Pasadena CA		626-470-2391					
PROJECT NAME		PROJECT #		STLC LEAD TCLP LEAD		* 8/19	
Belvedere MS LAGSD		102-HMG-T37254.07					
SITE NAME AND ADDRESS		PO #					
312 N. Record Ave. Los Angeles CA		2A					
Eric J. Nelson@Tetrattech.com							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-05-S-05	99653.15	08-01-19	0811	Soil	1 GL 402		
SB-05-S-1.0	99653.16		↓				
SB-05-S-2.0	99653.17		↓				
SB-05-E-05	99653.18		0820				
SB-05-E-1.0	99653.19		↓				
SB-05-E-2.0	99653.20		↓				
SB-05-N-0.5	99653.21		0827				
SB-05-N-1.0	99653.22		↓				
SB-05-N-2.0	99653.23		↓				
SB-05-W-0.5	99653.24		0834				
SB-05-W-1.0	99653.25		↓				
SB-05-W-2.0	99653.26		↓				
SB-22-E-0.5	99653.27		0912				
SB-22-E-1.0	99653.28	✓	↓	✓			
SB-22-E-2.0	99653.29	✓	↓	✓			
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED		Signature:		Signature:	
15		Y / N / NA		Date:		Date:	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA		Printed Name:		Printed Name:	
Y / N		Y / N		8-1-19 1515		8-1-19 1635	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N		RECEIVED BY:		RECEIVED BY:	
Y / N		Y / N		1.		2.	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		Signature:		Signature:	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Printed Name:		Printed Name:	
<input type="checkbox"/> SAME DAY		<input type="checkbox"/> PDF		Date:		Date:	
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Time:		Time:	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		8-1-19 1515		8-1-19 1635	
<input type="checkbox"/> 3 DAYS							

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



## 106773

Page 2 of 2

**DISTRIBUTION:** WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

114887

99653

Page 4 of 5

COMPANY <b>Tetra Tech</b>	PROJECT MANAGER <b>Eric Nelson</b>
COMPANY ADDRESS <b>2834 N. Foothill Blvd. Pasadena CA.</b>	PHONE <b>626-470-2391</b>
PROJECT NAME <b>Delvedera MS LAUSD</b>	PROJECT # <b>102-Hmg-T37254.07</b>
SITE NAME AND ADDRESS <b>312 N. Record Ave. Los Angeles CA. Eric J. Nelson @tetratech.com</b>	PO #

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
Lead	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Se	
										<b>* 8/19</b>

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
SB-31-N-05	99653.44	08-01-19	1220	Soil	1 GL 402	X
SB-31-N-1.0	99653.45					X
SB-31-N-2.0	99653.46					X
SB-31-W-0.5	99653.47		1221			X
SB-31-W-1.0	99653.48					X
SB-31-W-2.0	99653.49					X
SB-31-SW-0.5	99653.50		1240			X
SB-31-SW-1.0	99653.51					X
SB-31-SW-2.0	99653.52					X
SB-34-N-0.5	99653.53		1310			X
SB-34-N-1.0	99653.54					X
SB-34-N-1.0-7D	99653.55					X
SB-34-N-2.0	99653.56					X
SB-33-S-1.0	99653.57		1341			X
SB-33-S-2.0	99653.58		1341			X

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED/ Y/N/NA		Signature:		Signature:		Signature:	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name:	Charlie Mun	Printed Name:		Printed Name:	Sharon Nelson
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date:	8-1-19	Date:		Date:	8-1-19
				Time:	1515	Time:		Time:	1635
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY LABORATORY:	3.
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY	Signature:		Signature:		Signature:	
<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF	<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	Printed Name:	Sharon Nelson	Printed Name:		Printed Name:	AGTL
<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)			Date:	8-1-19	Date:		Date:	8-1-19
				Time:	1515	Time:		Time:	1635

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

99653

114888

AETL JOB No.

Page 5 of 5

COMPANY <b>Tetra Tech Inc</b>	PROJECT MANAGER <b>Eric Nelson</b>
COMPANY ADDRESS <b>2015 E. Foothill Blvd, Pasadena, CA</b>	PHONE <b>626-470-2391</b>
PROJECT NAME <b>Belvedere MS LAUSD</b>	PROJECT # <b>102-HMG-T37254.07</b>
SITE NAME <b>312 N. Berold Ave, Los Angeles CA</b>	PO #
AND ADDRESS <b>Eneij.Nelson@tetratech.com</b>	

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
Lead	6060									* 8/19
STLC	77LS									
TECP	1347									

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
SB-34-W-0.5	99653.59	08-01-19	1315	SED	1 GL, 400	X
SB-34-W-1.0	99653.60					X
SB-34-W-2.0	99653.61					X
SB-34-W-2.0-FD	99653.62					X
SB-34-S-0.5	99653.63		1322			X
SB-34-S-1.0	99653.64					X
SB-34-S-2.0	99653.65					X
SB-34-W-0.5	99653.66		1327			X
SB-34-W-1.0	99653.67					X
SB-34-W-2.0	99653.68					X
SB-33-E-0.5	99653.69		1335			X
SB-33-E-1.0	99653.70					X
SB-33-E-2.0	99653.71					X
SB-33-S-0.5	99653.72		1341			X
SB-33-S-0.5-FD	99653.73		1341			X

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y/N/NA	Signature:		Signature:		Signature:	
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA	Printed Name:	Charlie Wun	Printed Name:		Printed Name:	Thomas Slawson
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N	Date:	8-1-19	Date:		Date:	8-1-19
TURN AROUND TIME				RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY:	3.
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS				Signature:		Signature:		Signature:	
DATA DELIVERABLE REQUIRED				Printed Name:	Thomas Slawson	Printed Name:		Printed Name:	Ant
<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)				Date:	8-1-19	Date:		Date:	8-1-19
				Time:	1515	Time:		Time:	1635

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



## 11433

AETL JOB No.

Page 6 of 6

COMPANY	Tetra Tech Inc.	PROJECT MANAGER	Eric Nelson
COMPANY ADDRESS	3475 E. Foothill Blvd, Pasadena, CA 91107	PHONE	626-470-2391
PROJECT NAME	Belvedere MS LAND	PROJECT #	102-HMS-T37254.07
SITE NAME AND ADDRESS	312 N. Record Ave. Los Angeles, CA. Eric.Nelson@tetratech.com	PO #	

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS									
										<p>* 8/9</p>									
<p>STC LEAD</p> <p>TCLP LEAD</p>																			
<p>* X X</p>																			
<p>Lead 6010B</p>																			

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY			
TOTAL NUMBER OF CONTAINERS		3	PROPERLY COOLED Y / N / NA
CUSTODY SEALS Y / N / NA			SAMPLES INTACT Y / N / NA
RECEIVED IN GOOD COND. Y / N			SAMPLES ACCEPTED Y / N
TURN AROUND TIME		DATA DELIVERABLE REQUIRED	
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) _____ <input type="checkbox"/> OTHER (PLEASE SPECIFY) _____	

RELINQUISHED BY SAMPLER:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
Signature:		Signature:		Signature:	
Printed Name:		Printed Name:		Printed Name:	
Date:		Date:		Date:	
Time:		Time:		Time:	
RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY:	3.
Signature:		Signature:		Signature:	
Printed Name:		Printed Name:		Printed Name:	
Date:		Date:		Date:	
Time:		Time:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



Jim Lin

**From:** Nelson, Eric J <EricJ.Nelson@tetrattech.com>  
**Sent:** Monday, August 19, 2019 12:54 PM  
**To:** Jim Lin  
**Cc:** Christine Novshadayan; Cyrus Razmara  
**Subject:** Additional STLC and TCLP Belvedere MS

Jim,

We need to run STLC and TCLP for Belvedere MS (Job No. 99653 and 99654), please see the following table for which sample should be run for what.

Primary Sample ID	Lead Concentration (mg/kg)	STLC Analyses	TCLP Analyses
SB-18-E-0.5	108	X	X
SB-18-E-1.0	76.6	X	-
SB-18-N-0.5	79.2	X	-
SB-18-N-1.0	455	X	X
SB-18-S-0.5	52.7	X	-
SB-18-W-0.5	108	X	X
SB-19-N-0.5	161	X	X
SB-20-E-1.0	273	X	X
SB-20-E-2.0	390	X	X
SB-20-W-1.0	85.5	X	-
SB-22-N-0.5-FD	72.3	X	-
SB-23-E-0.5	2,620	-	X
SB-31-N-1.0	117	X	X
SB-31-SW-0.5	82.3	X	-
SB-31-SW-1.0	134	X	X
SB-31-SW-2.0	169	X	X
SB-31-W-0.5	113	X	X
SB-31-W-1.0	118	X	X
SB-33-E-0.5	242	X	X
SB-33-S-0.5	90.4	X	-
SB-33-S-0.5-FD	274	X	X
SB-33-W-0.5	128	X	X
SB-34-N-0.5	86.6	X	-
SB-34-N-1.0-FD	54.2	X	-
SB-34-W-0.5	58.4	X	-
SB-34-W-1.0	172	X	X
SB-34-W-2.0	52.1	X	-
Total additional analyses to be requested		26	16



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Page: 1 A

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/28/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

AETL received 76 samples with the following specification on 08/01/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
99653.14	EB-20190801-CW	08/01/2019	Aqueous	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	6010B.LEAD	08/08/2019	2	Normal	mg/L
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
99653.01	SB-23-E-0.5	08/01/2019	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6010/7000TCLP) ^ PB	08/08/2019	2	Normal	mg/L
	(6010B.LEAD)	08/08/2019	2	Normal	mg/Kg
99653.02	SB-23-E-1.0	08/01/2019	Soil	1	
99653.03	SB-23-E-2.0	08/01/2019	Soil	1	
99653.04	SB-23-S-0.5	08/01/2019	Soil	1	
99653.05	SB-23-S-1.0	08/01/2019	Soil	1	
99653.06	SB-23-S-2.0	08/01/2019	Soil	1	
99653.07	SB-23-W-0.5	08/01/2019	Soil	1	
99653.08	SB-23-W-1.0	08/01/2019	Soil	1	
99653.09	SB-23-W-2.0	08/01/2019	Soil	1	
99653.10	SB-23-W-2.0-FD	08/01/2019	Soil	1	
99653.11	SB-31-E-0.5	08/01/2019	Soil	1	
99653.12	SB-31-E-1.0	08/01/2019	Soil	1	
99653.13	SB-31-E-2.0	08/01/2019	Soil	1	
99653.15	SB-05-S-0.5	08/01/2019	Soil	1	
99653.16	SB-05-S-1.0	08/01/2019	Soil	1	
99653.17	SB-05-S-2.0	08/01/2019	Soil	1	
99653.18	SB-05-E-0.5	08/01/2019	Soil	1	
99653.19	SB-05-E-1.0	08/01/2019	Soil	1	

Continued



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Page: 1 B

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/28/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

99653.20	SB-05-E-2.0	08/01/2019	Soil	1
99653.21	SB-05-N-0.5	08/01/2019	Soil	1
99653.22	SB-05-N-1.0	08/01/2019	Soil	1
99653.23	SB-05-N-2.0	08/01/2019	Soil	1
99653.24	SB-05-W-0.5	08/01/2019	Soil	1
99653.25	SB-05-W-1.0	08/01/2019	Soil	1
99653.26	SB-05-W-2.0	08/01/2019	Soil	1
99653.27	SB-22-E-0.5	08/01/2019	Soil	1
99653.28	SB-22-E-1.0	08/01/2019	Soil	1
99653.29	SB-22-E-2.0	08/01/2019	Soil	1
99653.30	SB-22-S-0.5	08/01/2019	Soil	1
99653.31	SB-22-S-1.0	08/01/2019	Soil	1
99653.32	SB-22-S-2.0	08/01/2019	Soil	1
99653.33	SB-22-N-0.5	08/01/2019	Soil	1
99653.35	SB-22-N-1.0	08/01/2019	Soil	1
99653.36	SB-22-N-2.0	08/01/2019	Soil	1
99653.37	SB-20-E-0.5	08/01/2019	Soil	1
99653.40	SB-20-N-0.5	08/01/2019	Soil	1
99653.41	SB-20-N-1.0	08/01/2019	Soil	1
99653.42	SB-20-N-2.0	08/01/2019	Soil	1
99653.43	SB-20-N-2.0-FD	08/01/2019	Soil	1
99653.44	SB-31-N-0.5	08/01/2019	Soil	1
99653.46	SB-31-N-2.0	08/01/2019	Soil	1
99653.49	SB-31-W-2.0	08/01/2019	Soil	1
99653.54	SB-34-N-1.0	08/01/2019	Soil	1
99653.56	SB-34-N-2.0	08/01/2019	Soil	1
99653.57	SB-33-S-1.0	08/01/2019	Soil	1
99653.58	SB-33-S-2.0	08/01/2019	Soil	1
99653.62	SB-34-W-2.0-FD	08/01/2019	Soil	1

Continued





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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/28/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

99653.63	SB-34-S-0.5	08/01/2019	Soil	1	
99653.64	SB-34-S-1.0	08/01/2019	Soil	1	
99653.65	SB-34-S-2.0	08/01/2019	Soil	1	
99653.67	SB-33-W-1.0	08/01/2019	Soil	1	
99653.68	SB-33-W-2.0	08/01/2019	Soil	1	
99653.70	SB-33-E-1.0	08/01/2019	Soil	1	
99653.71	SB-33-E-2.0	08/01/2019	Soil	1	
99653.74	SB-20-W-0.5	08/01/2019	Soil	1	
99653.76	SB-20-W-2.0	08/01/2019	Soil	1	
	<b>Method ^ Submethod</b>	<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010B.LEAD)	08/08/2019	2	Normal	mg/Kg
99653.34	SB-22-N-0.5-FD	08/01/2019	Soil	1	
99653.50	SB-31-SW-0.5	08/01/2019	Soil	1	
99653.53	SB-34-N-0.5	08/01/2019	Soil	1	
99653.55	SB-34-N-1.0-FD	08/01/2019	Soil	1	
99653.59	SB-34-W-0.5	08/01/2019	Soil	1	
99653.61	SB-34-W-2.0	08/01/2019	Soil	1	
99653.72	SB-33-S-0.5	08/01/2019	Soil	1	
99653.75	SB-20-W-1.0	08/01/2019	Soil	1	
	<b>Method ^ Submethod</b>	<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010B-STLC) ^ STLC-PB	08/08/2019	2	Normal	mg/L
	(6010B.LEAD)	08/08/2019	2	Normal	mg/Kg
99653.38	SB-20-E-1.0	08/01/2019	Soil	1	
99653.39	SB-20-E-2.0	08/01/2019	Soil	1	
99653.45	SB-31-N-1.0	08/01/2019	Soil	1	
99653.47	SB-31-W-0.5	08/01/2019	Soil	1	
99653.48	SB-31-W-1.0	08/01/2019	Soil	1	
99653.51	SB-31-SW-1.0	08/01/2019	Soil	1	
99653.52	SB-31-SW-2.0	08/01/2019	Soil	1	

Continued



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## Ordered By

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Project ID: 102-HMG-T37254.07

Date Received 08/01/2019

Date Reported 08/28/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99653	08/01/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

99653.60	SB-34-W-1.0	08/01/2019	Soil	1
99653.66	SB-33-W-0.5	08/01/2019	Soil	1
99653.69	SB-33-E-0.5	08/01/2019	Soil	1
99653.73	SB-33-S-0.5-FD	08/01/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010/7000TCLP) ^ PB	08/08/2019	2	Normal	mg/L
(6010B-STLC) ^ STLC-PB	08/08/2019	2	Normal	mg/L
(6010B.LEAD)	08/08/2019	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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**Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C8

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/23/2019				
Preparation Method		TITLE 22				
Date Analyzed		08/26/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.10	ND			



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 3

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C8

Our Lab I.D.		99653.34	99653.38	99653.39	99653.45	99653.47
Client Sample I.D.		SB-22-N-0.5-FD	SB-20-E-1.0	SB-20-E-2.0	SB-31-N-1.0	SB-31-W-0.5
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared		08/23/2019	08/23/2019	08/23/2019	08/23/2019	08/23/2019
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22
Date Analyzed		08/26/2019	08/26/2019	08/26/2019	08/26/2019	08/26/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (STLC)	0.50	1.00	3.35	6.48	6.83	9.11



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### ANALYTICAL RESULTS

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Attn: Eric Nelson

Page: 4

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C8

Our Lab I.D.			99653.48	99653.50	99653.51	99653.52	99653.53
Client Sample I.D.			SB-31-W-1.0	SB-31-SW-0.5	SB-31-SW-1.0	SB-31-SW-2.0	SB-34-N-0.5
Date Sampled			08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/23/2019	08/23/2019	08/23/2019	08/23/2019	08/23/2019
Preparation Method			TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22
Date Analyzed			08/26/2019	08/26/2019	08/26/2019	08/26/2019	08/26/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead (STLC)	0.50	1.00	10.4	2.94	6.83	8.19	5.48



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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C9

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/23/2019				
Preparation Method		TITLE 22				
Date Analyzed		08/26/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.10	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C9

Our Lab I.D.		99653.55	99653.59	99653.60	99653.61	99653.66
Client Sample I.D.		SB-34-N-1.0-FD	SB-34-W-0.5	SB-34-W-1.0	SB-34-W-2.0	SB-33-W-0.5
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared		08/23/2019	08/23/2019	08/23/2019	08/23/2019	08/23/2019
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22
Date Analyzed		08/26/2019	08/26/2019	08/26/2019	08/26/2019	08/26/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (STLC)	0.50	1.00	2.51	1.67	5.11	1.39



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### ANALYTICAL RESULTS

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Attn: Eric Nelson

Page: 7

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C9

Our Lab I.D.		99653.69	99653.72	99653.73	99653.75	
Client Sample I.D.		SB-33-E-0.5	SB-33-S-0.5	SB-33-S-0.5-FD	SB-20-W-1.0	
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	
Date Prepared		08/23/2019	08/23/2019	08/23/2019	08/23/2019	
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	
Date Analyzed		08/26/2019	08/26/2019	08/26/2019	08/26/2019	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		10	10	10	10	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (STLC)	0.50	1.00	8.81	5.35	12.8	4.10





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### ANALYTICAL RESULTS

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Page: 8

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C11

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/22/2019				
Preparation Method		1311				
Date Analyzed		08/24/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (TCLP)	0.05	0.10	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C11

Our Lab I.D.			99653.01	99653.38	99653.39	99653.45	99653.47
Client Sample I.D.			SB-23-E-0.5	SB-20-E-1.0	SB-20-E-2.0	SB-31-N-1.0	SB-31-W-0.5
Date Sampled			08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared			08/22/2019	08/22/2019	08/22/2019	08/22/2019	08/22/2019
Preparation Method			1311	1311	1311	1311	1311
Date Analyzed			08/24/2019	08/24/2019	08/24/2019	08/24/2019	08/24/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead (TCLP)	0.50	1.00	32.2	ND	1.37	ND	ND

*Comment(s):*

99653.38: Analyzed under dilution due to matrix interference 99653.45: Analyzed under dilution due to matrix interference 99653.47: Analyzed under dilution due to matrix interference



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C11

Our Lab I.D.		99653.48	99653.51	99653.52	99653.60	99653.66
Client Sample I.D.		SB-31-W-1.0	SB-31-SW-1.0	SB-31-SW-2.0	SB-34-W-1.0	SB-33-W-0.5
Date Sampled		08/01/2019	08/01/2019	08/01/2019	08/01/2019	08/01/2019
Date Prepared		08/22/2019	08/22/2019	08/22/2019	08/22/2019	08/22/2019
Preparation Method		1311	1311	1311	1311	1311
Date Analyzed		08/24/2019	08/24/2019	08/24/2019	08/24/2019	08/24/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor		10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (TCLP)	0.50	1.00	ND	ND	ND	ND

**Comment(s):**

99653.48: Analyzed under dilution due to matrix interference 99653.51: Analyzed under dilution due to matrix interference 99653.52: Analyzed under dilution due to matrix interference 99653.60: Analyzed under dilution due to matrix interference 99653.66: Analyzed under dilution due to matrix interference



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### ANALYTICAL RESULTS

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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C12

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/22/2019				
Preparation Method		1311				
Date Analyzed		08/24/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (TCLP)	0.05	0.10	ND			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C12

Our Lab I.D.			99653.69	99653.73			
Client Sample I.D.			SB-33-E-0.5	SB-33-S-0.5-FD			
Date Sampled			08/01/2019	08/01/2019			
Date Prepared			08/22/2019	08/22/2019			
Preparation Method			1311	1311			
Date Analyzed			08/24/2019	08/24/2019			
Matrix			Soil	Soil			
Units			mg/L	mg/L			
Dilution Factor			10	10			
Analytes	MDL	PQL	Results	Results			
Lead (TCLP)	0.50	1.00	ND	ND			

*Comment(s):*

99653.69: Analyzed under dilution due to matrix interference 99653.73: Analyzed under dilution due to matrix interference



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### QUALITY CONTROL RESULTS

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Attn: Eric Nelson

Page: 13

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C11; Dup or Spiked Sample: 99653.01; LCS: Clean Sand; LCS Prepared: 08/22/2019; LCS Analyzed: 08/24/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (TCLP)	32.2	30.2	6.4	<20						

QC Batch No: 0822192C11; Dup or Spiked Sample: 99653.01; LCS: Clean Sand; LCS Prepared: 08/22/2019; LCS Analyzed: 08/24/2019;  
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	
Lead (TCLP)	10.0	8.40	84.0	10.0	8.47	84.7	<1	80-120	<15	



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### QUALITY CONTROL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
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312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 14

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C12; Dup or Spiked Sample: 99653.69; LCS: Clean Sand; LCS Prepared: 08/22/2019; LCS Analyzed: 08/24/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (TCLP)	ND	ND	<1	<20						

QC Batch No: 0822192C12; Dup or Spiked Sample: 99653.69; LCS: Clean Sand; LCS Prepared: 08/22/2019; LCS Analyzed: 08/24/2019;  
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	
Lead (TCLP)	10.0	9.91	99.1	10.0	10.0	100	<1	80-120	<15	



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### QUALITY CONTROL RESULTS

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**Site**

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Attn: Eric Nelson

Page: 15

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C8; Dup or Spiked Sample: 99653.34; LCS: Clean Sand; LCS Prepared: 08/23/2019; LCS Analyzed: 08/26/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	3.35	3.25	3.0	<20						

QC Batch No: 0823192C8; Dup or Spiked Sample: 99653.34; LCS: Clean Sand; LCS Prepared: 08/23/2019; LCS Analyzed: 08/26/2019;  
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	
Lead (STLC)	10.0	8.55	85.5	10.0	8.83	88.3	3.2	80-120	<15	





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### QUALITY CONTROL RESULTS

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 16

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99653	08/01/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C9; Dup or Spiked Sample: 99653.55; LCS: Clean Sand; LCS Prepared: 08/23/2019; LCS Analyzed: 08/26/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	2.51	2.24	11.4	<20						

QC Batch No: 0823192C9; Dup or Spiked Sample: 99653.55; LCS: Clean Sand; LCS Prepared: 08/23/2019; LCS Analyzed: 08/26/2019;  
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	
Lead (STLC)	10.0	8.46	84.6	10.0	8.62	86.2	1.9	80-120	<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

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### Ordered By

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Pasadena, CA 91107-6024

Number of Pages 10  
Date Received 08/02/2019  
Date Reported 08/08/2019

Telephone: (626)470-2391  
Attention: Eric Nelson

Job Number	Order Date	Client
99654	08/02/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD  
Site: 312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 19 soil and 1 water 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



# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## CHAIN OF CUSTODY RECORD

99654 114895

COMPANY <b>Tetra Tech Inc</b>	PROJECT MANAGER <b>Eric Nelson</b>
COMPANY ADDRESS <b>3475 E. Foothill Blvd. Pasadena, CA. 91107</b>	PHONE <b>626-470-2391</b>
PROJECT NAME <b>Belvedere MS LAUSD</b>	PROJECT # <b>102-HM6-T37254.07</b>
SITE NAME AND ADDRESS <b>312 N. Record Ave. Los Angeles, CA</b>	PO #
<b>Ericj.Nelson@tetratech.com</b>	

AETL JOB No.

Page 1 of 2

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 SB-18-S-0.5	99654.01	08-02-19	0740	soil	1 & L 403	
2 SB-18-S-1.0	99654.02					
3 SB-18-S-2.0	99654.03					
4 SB-18-N-0.5	99654.04		0802			
5 SB-18-N-1.0	99654.05					
6 SB-18-N-2.0	99654.06					
7 SB-18-E-0.5	99654.07		0751			
8 SB-18-E-1.0	99654.08					
9 SB-18-E-2.0	99654.09					
10 SB-18-W-0.5	99654.10		0810			
11 SB-18-W-1.0	99654.11					
12 SB-18-W-1.0-70	99654.12					
13 SB-18-W-2.0	99654.13					
14						
15						

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY			
TOTAL NUMBER OF CONTAINERS	13	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS Y / N / NA		SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED	Y / N
TURN AROUND TIME		DATA DELIVERABLE REQUIRED	
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF
		<input type="checkbox"/> 2 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)
		<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: <i>[Signature]</i>	Signature:	Signature:
Printed Name: <i>Charlie Wun</i>	Printed Name:	Printed Name:
Date: <i>08-02-2019</i> Time: <i>1040</i>	Date: Time:	Date: Time:
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature:	Signature:	Signature: <i>AETL</i>
Printed Name:	Printed Name:	Printed Name: <i>AETL</i>
Date: Time:	Date: Time:	Date: <i>08/02/19</i> Time: <i>1040</i>





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## CHAIN OF CUSTODY RECORD

114889

99654

Page 2 of 2

COMPANY <u>Tetra-Tech Inc.</u>	PROJECT MANAGER <u>Eric Nelson</u>
COMPANY ADDRESS <u>3475 E. Foothill Blvd, Pasadena, CA.</u>	PHONE <u>626-470-2391</u>
PROJECT NAME <u>Belvedere MS LAUSD</u>	PROJECT # <u>102-4MG-T3725407</u>
SITE NAME AND ADDRESS <u>312 N. Record Ave. Los Angeles, CA.</u> <u>Ericj.Nelson@Tetrattech.com</u>	PO #

AETL JOB No.

### ANALYSIS REQUESTED

### TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
SB-19-N-05	99654.14	0802-19	0825	Soil	14L. 402	
SB-19-N-1.0	99654.15					
SB-19-N-2.0	99654.16					
SB-19-S-05	99654.17		0835			
SB-19-S-1.0	99654.18					
SB-19-S-2.0	99654.19					
EB-20190802-CN	99654.20		0858	W	1 250pl	

Lead 6008

### SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	7	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

### TURN AROUND TIME

### DATA DELIVERABLE REQUIRED

☒ NORMAL ☐ RUSH

☐ SAME DAY  
☐ NEXT DAY  
☐ 2 DAYS  
☐ 3 DAYS

☐ HARD COPY  
☐ PDF  
☐ GEOTRACKER (GLOBAL ID) \_\_\_\_\_  
☐ OTHER (PLEASE SPECIFY) \_\_\_\_\_

### RELINQUISHED BY SAMPLER:

Signature: \_\_\_\_\_  
Printed Name: Eric Nelson  
Date: 0802-2019 Time: 1040

### RECEIVED BY:

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_

### RELINQUISHED BY:

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_

### RECEIVED BY:

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_

### RELINQUISHED BY:

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_

### RECEIVED BY LABORATORY:

Signature: AETL  
Printed Name: AETL  
Date: 08/02/19 Time: 1040



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## COOLER RECEIPT FORM

Client Name: <u>Tetra Tech</u>			
Project Name:			
AETL Job Number: <u>99654</u>			
Date Received: <u>08/02/19</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>1</u> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.2</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 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 <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <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>N</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

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/02/2019

Date Reported 08/08/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99654	08/02/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

AETL received 20 samples with the following specification on 08/02/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
99654.20	EB-20190802-CW	08/02/2019	Aqueous	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010B.LEAD	08/09/2019	2	Normal	mg/L	
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
99654.01	SB-18-S-0.5	08/02/2019	Soil	1		
99654.02	SB-18-S-1.0	08/02/2019	Soil	1		
99654.03	SB-18-S-2.0	08/02/2019	Soil	1		
99654.04	SB-18-N-0.5	08/02/2019	Soil	1		
99654.05	SB-18-N-1.0	08/02/2019	Soil	1		
99654.06	SB-18-N-2.0	08/02/2019	Soil	1		
99654.07	SB-18-E-0.5	08/02/2019	Soil	1		
99654.08	SB-18-E-1.0	08/02/2019	Soil	1		
99654.09	SB-18-E-2.0	08/02/2019	Soil	1		
99654.10	SB-18-W-0.5	08/02/2019	Soil	1		
99654.11	SB-18-W-1.0	08/02/2019	Soil	1		
99654.12	SB-18-W-1.0-FD	08/02/2019	Soil	1		
99654.13	SB-18-W-2.0	08/02/2019	Soil	1		
99654.14	SB-19-N-0.5	08/02/2019	Soil	1		
99654.15	SB-19-N-1.0	08/02/2019	Soil	1		
99654.16	SB-19-N-2.0	08/02/2019	Soil	1		
99654.17	SB-19-S-0.5	08/02/2019	Soil	1		
99654.18	SB-19-S-1.0	08/02/2019	Soil	1		
99654.19	SB-19-S-2.0	08/02/2019	Soil	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	(6010B.LEAD)	08/09/2019	2	Normal	mg/Kg	

Continued





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Page: 1 B

### Ordered By

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3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/02/2019

Date Reported 08/08/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99654	08/02/2019	T/T

### CERTIFICATE OF ANALYSIS

#### CASE NARRATIVE

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****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 2

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C4

Our Lab I.D.		Method Blank	99654.01	99654.02	99654.03	99654.04
Client Sample I.D.			SB-18-S-0.5	SB-18-S-1.0	SB-18-S-2.0	SB-18-N-0.5
Date Sampled			08/02/2019	08/02/2019	08/02/2019	08/02/2019
Date Prepared		08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	52.7	25.0	22.5



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### ANALYTICAL RESULTS

**Ordered By**

Tetra Tech, Inc.  
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**Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 3

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C4

<b>Our Lab I.D.</b>		<b>99654.05</b>				
Client Sample I.D.		SB-18-N-1.0				
Date Sampled		08/02/2019				
Date Prepared		08/05/2019				
Preparation Method		3050B				
Date Analyzed		08/06/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	25	50	455			



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
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312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 4

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C4

Our Lab I.D.			99654.06	99654.07	99654.08	99654.09	99654.10
Client Sample I.D.			SB-18-N-2.0	SB-18-E-0.5	SB-18-E-1.0	SB-18-E-2.0	SB-18-W-0.5
Date Sampled			08/02/2019	08/02/2019	08/02/2019	08/02/2019	08/02/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	49.7	108	76.6	4.80J	108



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 5

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C11

Our Lab I.D.			Method Blank	99654.11	99654.12	99654.13	99654.14
Client Sample I.D.				SB-18-W-1.0	SB-18-W-1.0-FD	SB-18-W-2.0	SB-19-N-0.5
Date Sampled				08/02/2019	08/02/2019	08/02/2019	08/02/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	17.7	23.3	4.13J	161



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 6

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C11

Our Lab I.D.			99654.15	99654.16	99654.17	99654.18	99654.19
Client Sample I.D.			SB-19-N-1.0	SB-19-N-2.0	SB-19-S-0.5	SB-19-S-1.0	SB-19-S-2.0
Date Sampled			08/02/2019	08/02/2019	08/02/2019	08/02/2019	08/02/2019
Date Prepared			08/05/2019	08/05/2019	08/05/2019	08/05/2019	08/05/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	5.78	3.19J	31.6	3.86J	4.28J



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### ANALYTICAL RESULTS

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**Site**

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Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 7

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: 6010B.LEAD, Lead, ICP

QC Batch No: 0806192C1

<b>Our Lab I.D.</b>			Method Blank	<b>99654.20</b>			
Client Sample I.D.				EB-20190802 -CW			
Date Sampled				08/02/2019			
Date Prepared			08/06/2019	08/06/2019			
Preparation Method			3005A	3005A			
Date Analyzed			08/07/2019	08/07/2019			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>			
Lead	0.05	0.10	ND	ND			



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### QUALITY CONTROL RESULTS

**Ordered By****Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 8

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: 6010B.LEAD, Lead, ICP

QC Batch No: 0806192C1; Dup or Spiked Sample: 99566.01; LCS: Clean Water; QC Prepared: 08/06/2019; QC Analyzed: 08/07/2019;  
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
Lead	0.00	1.00	0.825	82.5	1.00	0.831	83.1	<1	75-125	<15

QC Batch No: 0806192C1; Dup or Spiked Sample: 99566.01; LCS: Clean Water; QC Prepared: 08/06/2019; QC Analyzed: 08/07/2019;  
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	
Lead	1.00	0.874	87.4	1.00	0.864	86.4	1.2	75-125	<15	





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### QUALITY CONTROL RESULTS

**Ordered By****Site**

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Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 9

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C11; Dup or Spiked Sample: 99654.11; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	17.7	50.0	57.9	80.4	50.0	57.8	80.2	<1	75-125	<15

QC Batch No: 0805192C11; Dup or Spiked Sample: 99654.11; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	49.3	98.6	50.0	48.8	97.6	1.0	75-125	<15	



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### QUALITY CONTROL RESULTS

#### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

#### Site

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0805192C4; Dup or Spiked Sample: 99654.01; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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
Lead	52.7	50.0	90.1 #	74.8	50.0	89.7 #	74.0	1.1	75-125	<15

QC Batch No: 0805192C4; Dup or Spiked Sample: 99654.01; LCS: Clean Sand; QC Prepared: 08/05/2019; QC Analyzed: 08/06/2019;  
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	
Lead	50.0	48.4	96.8	50.0	48.3	96.6	<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

---



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### Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Number of Pages 8  
Date Received 08/02/2019  
Date Reported 08/28/2019

Telephone: (626)470-2391  
Attention: Eric Nelson

Job Number	Order Date	Client
99654	08/02/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD  
Site: 312 N. Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 7 soil 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





# 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

## CHAIN OF CUSTODY RECORD

99654 114895

COMPANY		PROJECT MANAGER		AETL JOB No.		Page 1 of 2	
COMPANY ADDRESS		PHONE		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		PROJECT #					
SITE NAME AND ADDRESS		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
SB-18-S-05	99654.01	08-07-19	0740	soil	1 6L 40B		
SB-18-S-1.0	99654.02						
SB-18-S-2.0	99654.03						
SB-18-N-05	99654.04		08:22				
SB-18-N-1.0	99654.05						
SB-18-N-2.0	99654.06						
SB-18-E-05	99654.07		0751				
SB-18-E-1.0	99654.08						
SB-18-E-2.0	99654.09						
SB-18-W-05	99654.10		0810				
SB-18-W-1.0	99654.11						
SB-18-W-1.0-7D	99654.12						
SB-18-W-2.0	99654.13						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY		RELINQUISHED BY SAMPLER:		RELINQUISHED BY:		RELINQUISHED BY:	
TOTAL NUMBER OF CONTAINERS	13	PROPERLY COOLED Y / N / NA		Signature:		Signature:	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N		Date:	08-07-2019	Date:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:	1.	RECEIVED BY:	2.
<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature:		Signature:	
<input type="checkbox"/> SAME DAY		<input type="checkbox"/> PDF		Printed Name:		Printed Name:	
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Date:		Date:	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Time:	1040	Time:	
<input type="checkbox"/> 3 DAYS							

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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## CHAIN OF CUSTODY RECORD

114889

99654

Page 2 of 2

COMPANY <b>Tetra-Tech Inc.</b>	PROJECT MANAGER <b>ERIC NELSON</b>
COMPANY ADDRESS <b>3415 E. Foothill Blvd. Pasadena, CA.</b>	PHONE <b>626-470-2391</b>
PROJECT NAME <b>Beverly Hills MS LACSD</b>	PROJECT # <b>102-416-73725407</b>
SITE NAME AND ADDRESS <b>312 N. Record Ave. Los Angeles, CA.</b> <b>Ericj.Nelson@tetratech.com</b>	PO

AETL JOB No.

### ANALYSIS REQUESTED

### TEST INSTRUCTIONS & COMMENTS

\* 8/19

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
SB-19-N-05	99654.14	0802-19	0825	soil	14L. 402	
SB-19-N-1.0	99654.15					
SB-19-N-2.0	99654.16					
SB-19-S-0.5	99654.17		0835			
SB-19-S-1.0	99654.18					
SB-19-S-2.0	99654.19					
EB-70190802-CN	99654.20		0858	W	1 250 PL	

Lead 600B

STIC LEAD

TCLP LEAD

### SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	7	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

### TURN AROUND TIME

### DATA DELIVERABLE REQUIRED

☒ NORMAL ☐ RUSH

☐ SAME DAY  
☐ NEXT DAY  
☐ 2 DAYS  
☐ 3 DAYS

☐ HARD COPY  
☐ PDF  
☐ GEOTRACKER (GLOBAL ID)  
☐ OTHER (PLEASE SPECIFY)

### RELINQUISHED BY SAMPLER:

Signature: *[Signature]*  
Printed Name: **Ericj Nelson**  
Date: **0802-2-19** Time: **1040**

### RECEIVED BY:

Signature: *[Signature]*  
Printed Name: *[Signature]*  
Date: *[Signature]* Time: *[Signature]*

1.

### RELINQUISHED BY:

Signature: *[Signature]*  
Printed Name: *[Signature]*

Date: *[Signature]* Time: *[Signature]*

### RECEIVED BY:

Signature: *[Signature]*  
Printed Name: *[Signature]*

Date: *[Signature]* Time: *[Signature]*

2.

### RELINQUISHED BY:

Signature: *[Signature]*  
Printed Name: *[Signature]*

Date: *[Signature]* Time: *[Signature]*

### RECEIVED BY:

Signature: *[Signature]*  
Printed Name: *[Signature]*

Date: *[Signature]* Time: *[Signature]*

3.

### RECEIVED BY:

Signature: *[Signature]*  
Printed Name: *[Signature]*

Date: *[Signature]* Time: *[Signature]*

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



## Jim Lin

---

**From:** Nelson, Eric J <EricJ.Nelson@tetrattech.com>  
**Sent:** Monday, August 19, 2019 12:54 PM  
**To:** Jim Lin  
**Cc:** Christine Novshadayan; Cyrus Razmara  
**Subject:** Additional STLC and TCLP Belvedere MS

Jim,

We need to run STLC and TCLP for Belvedere MS (Job No. 99653 and 99654), please see the following table for which sample should be run for what.

Primary Sample ID	Lead Concentration (mg/kg)	STLC Analyses	TCLP Analyses
SB-18-E-0.5	108	X	X
SB-18-E-1.0	76.6	X	-
SB-18-N-0.5	79.2	X	-
SB-18-N-1.0	455	X	X
SB-18-S-0.5	52.7	X	-
SB-18-W-0.5	108	X	X
SB-19-N-0.5	161	X	X
SB-20-E-1.0	273	X	X
SB-20-E-2.0	390	X	X
SB-20-W-1.0	85.5	X	-
SB-22-N-0.5-FD	72.3	X	-
SB-23-E-0.5	2,620	-	X
SB-31-N-1.0	117	X	X
SB-31-SW-0.5	82.3	X	-
SB-31-SW-1.0	134	X	X
SB-31-SW-2.0	169	X	X
SB-31-W-0.5	113	X	X
SB-31-W-1.0	118	X	X
SB-33-E-0.5	242	X	X
SB-33-S-0.5	90.4	X	-
SB-33-S-0.5-FD	274	X	X
SB-33-W-0.5	128	X	X
SB-34-N-0.5	86.6	X	-
SB-34-N-1.0-FD	54.2	X	-
SB-34-W-0.5	58.4	X	-
SB-34-W-1.0	172	X	X
SB-34-W-2.0	52.1	X	-
Total additional analyses to be requested		26	16





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Page: 1 A

## Ordered By

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3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/02/2019

Date Reported 08/28/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99654	08/02/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 20 samples with the following specification on 08/02/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
99654.20	EB-20190802-CW	08/02/2019	Aqueous	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	6010B.LEAD	08/09/2019	2	Normal	mg/L
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
99654.01	SB-18-S-0.5	08/02/2019	Soil	1	
99654.04	SB-18-N-0.5	08/02/2019	Soil	1	
99654.08	SB-18-E-1.0	08/02/2019	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6010B-STLC) ^ STLC-PB	08/09/2019	2	Normal	mg/L
	(6010B.LEAD)	08/09/2019	2	Normal	mg/Kg
99654.02	SB-18-S-1.0	08/02/2019	Soil	1	
99654.03	SB-18-S-2.0	08/02/2019	Soil	1	
99654.06	SB-18-N-2.0	08/02/2019	Soil	1	
99654.09	SB-18-E-2.0	08/02/2019	Soil	1	
99654.11	SB-18-W-1.0	08/02/2019	Soil	1	
99654.12	SB-18-W-1.0-FD	08/02/2019	Soil	1	
99654.13	SB-18-W-2.0	08/02/2019	Soil	1	
99654.15	SB-19-N-1.0	08/02/2019	Soil	1	
99654.16	SB-19-N-2.0	08/02/2019	Soil	1	
99654.17	SB-19-S-0.5	08/02/2019	Soil	1	
99654.18	SB-19-S-1.0	08/02/2019	Soil	1	
99654.19	SB-19-S-2.0	08/02/2019	Soil	1	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6010B.LEAD)	08/09/2019	2	Normal	mg/Kg
99654.05	SB-18-N-1.0	08/02/2019	Soil	1	

Continued



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Page: 1 B

## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 08/02/2019

Date Reported 08/28/2019

Telephone: (626) 470-2391

Attention: Eric Nelson

Job Number	Order Date	Client
99654	08/02/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

99654.07	SB-18-E-0.5	08/02/2019	Soil	1
99654.10	SB-18-W-0.5	08/02/2019	Soil	1
99654.14	SB-19-N-0.5	08/02/2019	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010/7000TCLP) ^ PB	08/09/2019	2	Normal	mg/L
(6010B-STLC) ^ STLC-PB	08/09/2019	2	Normal	mg/L
(6010B.LEAD)	08/09/2019	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**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

**Site**

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 2

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C7

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/23/2019				
Preparation Method		TITLE 22				
Date Analyzed		08/26/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.10	ND			



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### ANALYTICAL RESULTS

**Ordered By****Site**

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 3

Project ID: 102-HMG-T37254.07  
Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C7

Our Lab I.D.			99654.01	99654.04	99654.05	99654.07	99654.08
Client Sample I.D.			SB-18-S-0.5	SB-18-N-0.5	SB-18-N-1.0	SB-18-E-0.5	SB-18-E-1.0
Date Sampled			08/02/2019	08/02/2019	08/02/2019	08/02/2019	08/02/2019
Date Prepared			08/23/2019	08/23/2019	08/23/2019	08/23/2019	08/23/2019
Preparation Method			TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22
Date Analyzed			08/26/2019	08/26/2019	08/26/2019	08/26/2019	08/26/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			10	10	10	10	10
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead (STLC)	0.50	1.00	2.20	7.49	12.9	2.65	5.08



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### ANALYTICAL RESULTS

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**Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 4

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C7

Our Lab I.D.			99654.10	99654.14			
Client Sample I.D.			SB-18-W-0.5	SB-19-N-0.5			
Date Sampled			08/02/2019	08/02/2019			
Date Prepared			08/23/2019	08/23/2019			
Preparation Method			TITLE 22	TITLE 22			
Date Analyzed			08/26/2019	08/26/2019			
Matrix			Soil	Soil			
Units			mg/L	mg/L			
Dilution Factor			10	10			
Analytes	MDL	PQL	Results	Results			
Lead (STLC)	0.50	1.00	7.18	5.12			



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### ANALYTICAL RESULTS

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**Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 5

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C12

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		08/22/2019				
Preparation Method		1311				
Date Analyzed		08/24/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (TCLP)	0.05	0.10	ND			



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### ANALYTICAL RESULTS

**Ordered By****Site**

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Telephone: (626)470-2391

Attn: Eric Nelson

Page: 6

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C12

Our Lab I.D.		99654.05	99654.07	99654.10	99654.14	
Client Sample I.D.		SB-18-N-1.0	SB-18-E-0.5	SB-18-W-0.5	SB-19-N-0.5	
Date Sampled		08/02/2019	08/02/2019	08/02/2019	08/02/2019	
Date Prepared		08/22/2019	08/22/2019	08/22/2019	08/22/2019	
Preparation Method		1311	1311	1311	1311	
Date Analyzed		08/24/2019	08/24/2019	08/24/2019	08/24/2019	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		10	10	10	10	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (TCLP)	0.50	1.00	ND	ND	ND	ND

*Comment(s):*

99654.05: Analyzed under dilution due to matrix interference 99654.07: Analyzed under dilution due to matrix interference 99654.10: Analyzed under dilution due to matrix interference 99654.14: Analyzed under dilution due to matrix interference



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### QUALITY CONTROL RESULTS

#### Ordered By

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#### Site

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 7

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 0822192C12; Dup or Spiked Sample: 99653.69; LCS: Clean Sand; LCS Prepared: 08/22/2019; LCS Analyzed: 08/24/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (TCLP)	ND	ND	<1	<20						

QC Batch No: 0822192C12; Dup or Spiked Sample: 99653.69; LCS: Clean Sand; LCS Prepared: 08/22/2019; LCS Analyzed: 08/24/2019;  
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	
Lead (TCLP)	10.0	9.91	99.1	10.0	10.0	100	<1	80-120	<15	





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### QUALITY CONTROL RESULTS

#### Ordered By

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Pasadena, CA 91107-6024

#### Site

312 N. Record Ave.  
Los Angeles, CA 90063

Telephone: (626)470-2391

Attn: Eric Nelson

Page: 8

Project ID: 102-HMG-T37254.07

Project Name: Belvedere MS LAUSD

AETL Job Number	Submitted	Client
99654	08/02/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0823192C7; Dup or Spiked Sample: 99654.01; LCS: Clean Sand; LCS Prepared: 08/23/2019; LCS Analyzed: 08/26/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	2.20	2.12	3.7	<20						

QC Batch No: 0823192C7; Dup or Spiked Sample: 99654.01; LCS: Clean Sand; LCS Prepared: 08/23/2019; LCS Analyzed: 08/26/2019;  
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	
Lead (STLC)	10.0	8.47	84.7	10.0	8.67	86.7	2.3	80-120	<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

---



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### Ordered By

Tetra Tech, Inc.  
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Pasadena, CA 91107-6024

Number of Pages 28  
Date Received 10/09/2019  
Date Reported 10/21/2019

Telephone: (626)351-4664  
Attention: Eric Nelson

Job Number	Order Date	Client
101544	10/09/2019	T/T

Project ID: 102-HMG-T37254.07  
Project Name: LAUSD Belvedere MS  
Site: LAUSD Belvedere MS  
312 N Record Ave.  
Los Angeles, CA 90063

Enclosed please find results of analyses of 27 soil and 1 water 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: \_\_\_\_\_

Joe Sevran  
Laboratory Director





# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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

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## CHAIN OF CUSTODY RECORD

115420

101544

Page 1 of 2

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>E. NELSON</b>		AETL JOB No. <b>101544</b>		Page <b>1</b> of <b>2</b>	
COMPANY ADDRESS <b>3475 E. Foothill Blvd, Pasadena, CA 91107</b>		PHONE <b>626-470-2422</b>		FAX <b>626-470-2422</b>		ANALYSIS REQUESTED	
PROJECT NAME <b>LAUSD Bellvedere MS</b>		PROJECT # <b>102-HMG</b>		TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS <b>312 N. Record Ave. LA, CA</b>		PO # <b>T37254.07</b>					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	6010B PB	STLC Lead
1 SB-20A-E-0.5	101544.01	10/9/19	0900	S	1 40Z	NONE	X	
2 SB-20A-E-1.0	101544.02		0905				X	
3 SB-20A-E-2.0	101544.03		0907				X	
4 SB-23A-E-0.5	101544.04		0910				X	
5 SB-23A-E-1.0	101544.05		0912				X	
6 SB-33B-E-0.5	101544.06		0940				*	
7 SB-33B-E-1.0	101544.07		0942				*	
8 SB-33A-E-0.5	101544.08		0947				X	*
9 SB-33A-E-1.0	101544.09		0949				X	*
10 SB-33A-W-0.5	101544.10		1006				X	*
11 SB-33A-W-1.0	101544.11		1008				X	*
12 SB-33A-S-0.5	101544.12		1012				X	*
13 SB-33A-S-1.0	101544.13		1014				X	*
14 SB-33B-S-0.5	101544.14		1019				*	*
15 SB-33B-S-1.0	101544.15		1021				*	*

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED	Y / N / NA	Signature:	<i>R. Lorton</i>	Signature:	/	Signature:	/
CUSTODY SEALS	Y (N) NA	SAMPLES INTACT	Y / N / NA	Printed Name:	R. Lorton	Printed Name:	/	Printed Name:	/
RECEIVED IN GOOD COND.	Y (N)	SAMPLES ACCEPTED	Y (N)	Date:	10/9/19	Date:	/	Date:	/
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY LABORATORY: 3.	
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY <input checked="" type="checkbox"/> PDF		Signature:		Signature:		Signature:	
<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		<input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)		Printed Name:		Printed Name:		Printed Name:	
				Date:		Date:		Date: 10/9/19	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

115419

AETL JOB No.

101544

Page 2 of 2

COMPANY <b>Tetra Tech</b>		PROJECT MANAGER <b>E. Nelson</b>					ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS	
COMPANY ADDRESS <b>3475 E. Foothill Blvd, 91107</b>		PHONE					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">1010B Pb</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">STLC LEAD</div> </div>										*(i) 10/15 Rush *(5) 10/17	
PROJECT NAME <b>LAUSD Belvedere MS</b>		PROJECT # <b>187254.07</b>																
SITE NAME AND ADDRESS <b>312 N. RECORD AVE. LA, CA</b>		PO #																
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.												
1 SB-34-NW-0.5		10/19/19	1034	S	140Z	NONE	X	(*)								10/544.16		
2 SB-34-NW-1.0			1036				X									J-Flags 10/544.17		
3 SB-34-NW-2.0			1040				X									10/544.18		
4 SB-31-WA-0.5			1047				X	(*)								10/544.19		
5 SB-31-WA-1.0			1093				X	(*)								10/544.20		
6 SB-18A-E-0.5			1103				X	(*)								10/544.21		
7 SB-18A-E-1.0			1106				X									10/544.22		
8 SB-18A-W-0.5			1110				X									10/544.23		
9 SB-18A-W-1.0			1112				X									10/544.24		
10 SB-10A-N-0.5			1130				X									10/544.25		
11 SB-10A-N-1.0			1132				X									10/544.26		
12 SB-10B-N-0.5			1135				X	(*)								10/544.27		
13 SB-10B-N-1.0			1137	Y			X									10/544.28		
14 DUP10092019				Y			X	(*)								10/544.29		
15 EB10092019			1145	W	250ML	NONE	X									10/544.30		
<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>						<b>RELINQUISHED BY SAMPLER</b>		<b>1.</b>		<b>RELINQUISHED BY:</b>		<b>2.</b>		<b>RELINQUISHED BY:</b>		<b>3.</b>		
TOTAL NUMBER OF CONTAINERS <b>15</b>		PROPERLY COOLED <b>0</b> N / NA		CUSTODY SEALS <b>Y (N) / NA</b>		SAMPLES INTACT <b>Y (N) / NA</b>		Date: <b>10/19/19</b> Time: <b>1235</b>		Signature: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>		Signature: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>		
RECEIVED IN GOOD COND. <b>Y (N)</b>		SAMPLES ACCEPTED <b>Y (N)</b>																
<b>TURN AROUND TIME</b>				<b>DATA DELIVERABLE REQUIRED</b>				<b>RECEIVED BY:</b>		<b>1.</b>		<b>RECEIVED BY:</b>		<b>2.</b>		<b>RECEIVED BY LABORATORY:</b>		
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS				<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)				Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>		
								Printed Name: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>		Printed Name: <b>[Signature]</b>		
								Date: <b>10/19/19</b> Time: <b>1235</b>		Date: <b>10/19/19</b> Time: <b>1235</b>		Date: <b>10/19/19</b> Time: <b>1235</b>		Date: <b>10/19/19</b> Time: <b>1235</b>		Date: <b>10/19/19</b> Time: <b>1235</b>		

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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## Ordered By

Tetra Tech, Inc.  
3475 East Foothill Boulevard  
Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 10/09/2019

Date Reported 10/11/2019

Telephone: (626) 351-4664

Attention: Eric Nelson

Job Number	Order Date	Client
101544	10/09/2019	T/T

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 30 samples with the following specification on 10/09/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
101544.30	EB10092019	10/19/2019	Aqueous	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	6010B.LEAD	10/11/2019	3	Rush	mg/L	
Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
101544.01	SB-20A-E-0.5	10/09/2019	Soil	1		
101544.02	SB-20A-E-1.0	10/09/2019	Soil	1		
101544.03	SB-20A-E-2.0	10/09/2019	Soil	1		
101544.04	SB-23A-E-0.5	10/09/2019	Soil	1		
101544.05	SB-23A-E-1.0	10/09/2019	Soil	1		
101544.07	SB-33B-E-1.0	10/09/2019	Soil	1		
101544.11	SB-33A-W-1.0	10/09/2019	Soil	1		
101544.17	SB-34-NW-1.0	10/09/2019	Soil	1		
101544.18	SB-34-NW-2.0	10/09/2019	Soil	1		
101544.22	SB-18A-E-1.0	10/09/2019	Soil	1		
101544.23	SB-18A-W-0.5	10/09/2019	Soil	1		
101544.24	SB-18A-W-1.0	10/09/2019	Soil	1		
101544.25	SB-19A-N-0.5	10/09/2019	Soil	1		
101544.26	SB-19A-N-1.0	10/09/2019	Soil	1		
101544.28	SB-19B-N-1.0	10/09/2019	Soil	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	(6010B.LEAD)	10/11/2019	3	Rush	mg/Kg	
101544.06	SB-33B-E-0.5	10/09/2019	Soil	1		
101544.14	SB-33B-S-0.5	10/09/2019	Soil	1		
	Method ^ Submethod	Req Date	Priority	TAT	Units	
	ARCHIVE	10/11/2019	3	Rush	--	

Continued



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## Ordered By

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Pasadena, CA 91107-6024

Project ID: 102-HMG-T37254.07

Date Received 10/09/2019

Date Reported 10/11/2019

Telephone: (626) 351-4664

Attention: Eric Nelson

Job Number	Order Date	Client
101544	10/09/2019	T/T

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
101544.08	SB-33A-E-0.5	10/09/2019	Soil	1
101544.09	SB-33A-E-1.0	10/09/2019	Soil	1
101544.10	SB-33A-W-0.5	10/09/2019	Soil	1
101544.12	SB-33A-S-0.5	10/09/2019	Soil	1
101544.13	SB-33A-S-1.0	10/09/2019	Soil	1
101544.15	SB-33B-S-1.0	10/09/2019	Soil	1
101544.16	SB-34-NW-0.5	10/09/2019	Soil	1
101544.19	SB-31-WA-0.5	10/09/2019	Soil	1
101544.20	SB-31-WA-1.0	10/09/2019	Soil	1
101544.21	SB-18A-E-0.5	10/09/2019	Soil	1
101544.27	SB-19B-N-0.5	10/09/2019	Soil	1
101544.29	DUP10092019	10/09/2019	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B-STLC) ^ STLC-PB	10/11/2019	3	Rush	mg/L
(6010B.LEAD)	10/11/2019	3	Rush	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: 

Joe Sevran  
Laboratory Director





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### ANALYTICAL RESULTS

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LAUSD Belvedere MS  
312 N Record Ave.  
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Telephone: (626)351-4664

Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C26

Our Lab I.D.		Method Blank	101544.01	101544.02	101544.03	101544.04
Client Sample I.D.			SB-20A-E-0.5	SB-20A-E-1.0	SB-20A-E-2.0	SB-23A-E-0.5
Date Sampled			10/09/2019	10/09/2019	10/09/2019	10/09/2019
Date Prepared		10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	27.1	12.8	4.07J

36.0



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C26

<b>Our Lab I.D.</b>		<b>101544.05</b>				
Client Sample I.D.		SB-23A-E-1.0				
Date Sampled		10/09/2019				
Date Prepared		10/09/2019				
Preparation Method		3050B				
Date Analyzed		10/10/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	2.5	5.0	4.41J			



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1016192C6

<b>Our Lab I.D.</b>		Method Blank	<b>101544.07</b>			
Client Sample I.D.			SB-33B-E-1.0			
Date Sampled			10/09/2019			
Date Prepared		10/16/2019	10/16/2019			
Preparation Method		3050B	3050B			
Date Analyzed		10/17/2019	10/17/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Lead	2.5	5.0	ND	4.12J		



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C26

Our Lab I.D.			101544.08	101544.09	101544.10	101544.11	101544.12
Client Sample I.D.			SB-33A-E-0.5	SB-33A-E-1.0	SB-33A-W-0.5	SB-33A-W-1.0	SB-33A-S-0.5
Date Sampled			10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
Date Prepared			10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	76.5	100	50.7	43.3	64.1



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C27

<b>Our Lab I.D.</b>		Method Blank	<b>101544.13</b>			
Client Sample I.D.			SB-33A-S-1.0			
Date Sampled			10/09/2019			
Date Prepared		10/09/2019	10/09/2019			
Preparation Method		3050B	3050B			
Date Analyzed		10/10/2019	10/10/2019			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Lead	2.5	5.0	ND	149		



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1016192C6

<b>Our Lab I.D.</b>		<b>101544.15</b>				
Client Sample I.D.		SB-33B-S-1.0				
Date Sampled		10/09/2019				
Date Prepared		10/16/2019				
Preparation Method		3050B				
Date Analyzed		10/17/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	2.5	5.0	120			



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C27

Our Lab I.D.			101544.16	101544.17	101544.18	101544.19	101544.20
Client Sample I.D.			SB-34-NW-0. 5	SB-34-NW-1. 0	SB-34-NW-2. 0	SB-31-WA-0. 5	SB-31-WA-1. 0
Date Sampled			10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
Date Prepared			10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	94.9	5.66	5.53	56.9	104



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C27

Our Lab I.D.		101544.21	101544.22	101544.23	101544.24		
Client Sample I.D.		SB-18A-E-0.5	SB-18A-E-1.0	SB-18A-W-0.5	SB-18A-W-1.0		
Date Sampled		10/09/2019	10/09/2019	10/09/2019	10/09/2019		
Date Prepared		10/09/2019	10/09/2019	10/09/2019	10/09/2019		
Preparation Method		3050B	3050B	3050B	3050B		
Date Analyzed		10/10/2019	10/10/2019	10/10/2019	10/10/2019		
Matrix		Soil	Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1	1		
Analytes	MDL	PQL	Results	Results	Results	Results	
Lead	2.5	5.0	83.2	35.9	38.1	5.32	





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Attn: Eric Nelson

Page: 10

Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C28

Our Lab I.D.		Method Blank	101544.25	101544.26	101544.27	101544.28
Client Sample I.D.			SB-19A-N-0. 5	SB-19A-N-1. 0	SB-19B-N-0. 5	SB-19B-N-1.0
Date Sampled			10/09/2019	10/09/2019	10/09/2019	10/09/2019
Date Prepared		10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	6.83	7.93	69.0
						5.07



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C28

<b>Our Lab I.D.</b>		<b>101544.29</b>				
Client Sample I.D.		DUP1009201 9				
Date Sampled		10/09/2019				
Date Prepared		10/09/2019				
Preparation Method		3050B				
Date Analyzed		10/10/2019				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead	2.5	5.0	53.0			



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1018192C9

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		10/18/2019				
Preparation Method		TITLE 22				
Date Analyzed		10/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.10	ND			



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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1018192C9

<b>Our Lab I.D.</b>		<b>101544.08</b>				
Client Sample I.D.		SB-33A-E-0.5				
Date Sampled		10/09/2019				
Date Prepared		10/18/2019				
Preparation Method		TITLE 22				
Date Analyzed		10/21/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.50	1.00	4.30			



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### ANALYTICAL RESULTS

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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1016192C12

<b>Our Lab I.D.</b>		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		10/16/2019				
Preparation Method		TITLE 22				
Date Analyzed		10/18/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.05	0.10	ND			



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Attn: Eric Nelson

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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1016192C12

<b>Our Lab I.D.</b>		<b>101544.09</b>				
Client Sample I.D.		SB-33A-E-1.0				
Date Sampled		10/09/2019				
Date Prepared		10/16/2019				
Preparation Method		TITLE 22				
Date Analyzed		10/18/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.50	1.00	8.27			



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1018192C9

Our Lab I.D.		101544.10	101544.12			
Client Sample I.D.		SB-33A-W-0.5	SB-33A-S-0.5			
Date Sampled		10/09/2019	10/09/2019			
Date Prepared		10/18/2019	10/18/2019			
Preparation Method		TITLE 22	TITLE 22			
Date Analyzed		10/21/2019	10/21/2019			
Matrix		Soil	Soil			
Units		mg/L	mg/L			
Dilution Factor		10	10			
Analytes	MDL	PQL	Results	Results		
Lead (STLC)	0.50	1.00	2.33	3.33		



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1016192C12

<b>Our Lab I.D.</b>		<b>101544.13</b>				
Client Sample I.D.		SB-33A-S-1.0				
Date Sampled		10/09/2019				
Date Prepared		10/16/2019				
Preparation Method		TITLE 22				
Date Analyzed		10/18/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Lead (STLC)	0.50	1.00	8.50			





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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1018192C9

Our Lab I.D.		101544.15	101544.16	101544.19		
Client Sample I.D.		SB-33B-S-1.0	SB-34-NW-0.5	SB-31-WA-0.5		
Date Sampled		10/09/2019	10/09/2019	10/09/2019		
Date Prepared		10/18/2019	10/18/2019	10/18/2019		
Preparation Method		TITLE 22	TITLE 22	TITLE 22		
Date Analyzed		10/21/2019	10/21/2019	10/21/2019		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		10	10	10		
Analytes	MDL	PQL	Results	Results	Results	
Lead (STLC)	0.50	1.00	9.56	6.41	3.56	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1016192C12

Our Lab I.D.		101544.20				
Client Sample I.D.		SB-31-WA-1.0				
Date Sampled		10/09/2019				
Date Prepared		10/16/2019				
Preparation Method		TITLE 22				
Date Analyzed		10/18/2019				
Matrix		Soil				
Units		mg/L				
Dilution Factor		10				
Analytes	MDL	PQL	Results			
Lead (STLC)	0.50	1.00	4.91			



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1018192C9

Our Lab I.D.		101544.21	101544.27	101544.29		
Client Sample I.D.		SB-18A-E-0.5	SB-19B-N-0.5	DUP10092019		
Date Sampled		10/09/2019	10/09/2019	10/09/2019		
Date Prepared		10/18/2019	10/18/2019	10/18/2019		
Preparation Method		TITLE 22	TITLE 22	TITLE 22		
Date Analyzed		10/21/2019	10/21/2019	10/21/2019		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		10	10	10		
Analytes	MDL	PQL	Results	Results	Results	
Lead (STLC)	0.50	1.00	4.20	3.18	2.82	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: 6010B.LEAD, Lead, ICP

QC Batch No: 1010192C2

<b>Our Lab I.D.</b>		Method Blank	<b>101544.30</b>			
Client Sample I.D.			EB10092019			
Date Sampled			10/19/2019			
Date Prepared		10/10/2019	10/11/2019			
Preparation Method		3005A	3005A			
Date Analyzed		10/10/2019	10/11/2019			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Lead	0.05	0.10	ND	ND		



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: 6010B.LEAD, Lead, ICP

QC Batch No: 1010192C2; Dup or Spiked Sample: 101545.01; LCS: Clean Water; QC Prepared: 10/10/2019; QC Analyzed: 10/10/2019;  
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
Lead	0.00	1.00	0.666#	66.6	1.00	0.673#	67.3	1.0	75-125	<15

QC Batch No: 1010192C2; Dup or Spiked Sample: 101545.01; LCS: Clean Water; QC Prepared: 10/10/2019; QC Analyzed: 10/10/2019;  
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	
Lead	1.00	0.830	83.0	1.00	0.825	82.5	<1	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1016192C12; Dup or Spiked Sample: 101544.09; LCS: Clean Sand; LCS Prepared: 10/16/2019; LCS Analyzed: 10/18/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	8.27	8.42	1.8	<20						

QC Batch No: 1016192C12; Dup or Spiked Sample: 101544.09; LCS: Clean Sand; LCS Prepared: 10/16/2019; LCS Analyzed: 10/18/2019;  
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	
Lead (STLC)	10.0	9.66	96.6	10.0	9.67	96.7	<1	80-120	<15	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1018192C9; Dup or Spiked Sample: 101544.08; LCS: Clean Sand; LCS Prepared: 10/18/2019; LCS Analyzed: 10/21/2019;  
Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	4.30	4.33	<1	<20						

QC Batch No: 1018192C9; Dup or Spiked Sample: 101544.08; LCS: Clean Sand; LCS Prepared: 10/18/2019; LCS Analyzed: 10/21/2019;  
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	
Lead (STLC)	10.0	10.5	105	10.0	10.6	106	<1	80-120	<15	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C26; Dup or Spiked Sample: 101544.01; LCS: Clean Sand; QC Prepared: 10/09/2019; QC Analyzed: 10/10/2019;  
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
Lead	27.1	50.0	127 M	200	50.0	127 M	200	<1	75-125	<15

QC Batch No: 1009192C26; Dup or Spiked Sample: 101544.01; LCS: Clean Sand; QC Prepared: 10/09/2019; QC Analyzed: 10/10/2019;  
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	
Lead	50.0	47.0	94.0	50.0	47.0	94.0	<1	75-125	<15	





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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C27; Dup or Spiked Sample: 101544.13; LCS: Clean Sand; QC Prepared: 10/09/2019; QC Analyzed: 10/10/2019;  
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
Lead	149	50.0	201	104	50.0	201	104	<1	75-125	<15

QC Batch No: 1009192C27; Dup or Spiked Sample: 101544.13; LCS: Clean Sand; QC Prepared: 10/09/2019; QC Analyzed: 10/10/2019;  
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	
Lead	50.0	46.6	93.2	50.0	46.0	92.0	1.3	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1009192C28; Dup or Spiked Sample: 101544.25; LCS: Clean Sand; QC Prepared: 10/09/2019; QC Analyzed: 10/10/2019;  
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
Lead	6.83	50.0	45.1	76.5	50.0	45.4	77.1	<1	75-125	<15

QC Batch No: 1009192C28; Dup or Spiked Sample: 101544.25; LCS: Clean Sand; QC Prepared: 10/09/2019; QC Analyzed: 10/10/2019;  
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	
Lead	50.0	47.2	94.4	50.0	47.8	95.6	1.3	75-125	<15	



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Project ID: 102-HMG-T37254.07

Project Name: LAUSD Belvedere MS

AETL Job Number	Submitted	Client
101544	10/09/2019	T/T

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1016192C6; Dup or Spiked Sample: 101544.07; LCS: Clean Sand; QC Prepared: 10/16/2019; QC Analyzed: 10/17/2019;  
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
Lead	4.12	50.0	49.4	90.6	50.0	48.4	88.6	2.2	75-125	<15

QC Batch No: 1016192C6; Dup or Spiked Sample: 101544.07; LCS: Clean Sand; QC Prepared: 10/16/2019; QC Analyzed: 10/17/2019;  
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	
Lead	50.0	49.2	98.4	50.0	49.2	98.4	<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

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## APPENDIX E: WASTE MANIFEST

NO. 750546

## NON-HAZARDOUS WASTE DATA FORM

		BEST #	
GENERATOR	Generator's Name and Mailing Address LOS ANGELES UNIFIED SCHOOL DISTRICT, OEHS 333 SOUTH BEAUDRY, 21ST FLOOR LOS ANGELES, CA 90017		Generator's Site Address (if different than mailing address) LAUSD - BELVEDERE MIDDLE SCHOOL 312 N RECORD AVE. LOS ANGELES, CA 90003
	Generator's Phone: 213-241-4281		
	Container type removed from site: <input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____
	Quantity <u>001</u>		Quantity <u>1</u> Volume <u>17 gallons</u>
	WASTE DESCRIPTION <u>NON-HAZARDOUS WASTE LIQUIDS</u> COMPONENTS OF WASTE PPM % 1. <u>WATER</u> 95-100% 2. <u>TPH</u> < 1% Waste Profile _____ PROPERTIES: pH <u>4-4.5</u> <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____ HANDLING INSTRUCTIONS: <u>WEAR ALL APPROPRIATE PERSONAL PROTECTIVE CLOTHING.</u>		GENERATING PROCESS <u>DECON WATER</u> COMPONENTS OF WASTE PPM % 3. <u>SOLIDS</u> 1-5% 4. _____
TRANSPORTER	Generator Printed/Typed Name <u>Demetrius L. Garcia / LAUSD - OEHS</u>		Signature <u>[Signature]</u>
	The Generator certifies that the waste as described is 100% non-hazardous.		Month Day Year <u>05/22/19</u>
	Transporter 1 Company Name <u>BELSHIRE</u>		Phone# <u>949-460-5200</u>
	Transporter 1 Printed/Typed Name <u>Thomas Bush</u>		Signature <u>[Signature]</u>
	Transporter 1 Acknowledgment of Receipt of Materials Transporter 2 Company Name <u>NIETO &amp; SONS TRUCKING, INC.</u>		Phone# <u>714-990-8855</u>
RECEIVING FACILITY	Transporter 2 Printed/Typed Name <u>Miguel Garcia</u>		Signature <u>Miguel Garcia</u>
	Transporter 2 Acknowledgment of Receipt of Materials		Month Day Year <u>06/06/19</u>
	Designated Facility Name and Site Address <u>DEMENNO KERDOON</u> <u>2000 N. ALAMEDA ST.</u> <u>COMPTON, CA 90222</u>		Phone# <u>310-537-7100</u>
	Printed/Typed Name <u>John Santiago</u>		Signature <u>[Signature]</u>
	Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.		Month Day Year <u>06/06/19</u>

312 N Reco  
2066278

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## APPENDIX F: PROUCL OUTPUT FILES



	A	B	C	D	E	F	G	H	I	J	K	L
1	Nonparametric UCL Statistics for Uncensored Full Data Sets											
2						ARSENIC - ALL DATA						
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.111/19/2019 4:52:57 PM								
5	From File			Belvedere Arsenic.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	Arsenic											
12												
13	General Statistics											
14	Total Number of Observations				129		Number of Distinct Observations				104	
15							Number of Missing Observations				0	
16	Minimum				1.57		Mean				3.007	
17	Maximum				18		Median				2.59	
18	SD				1.794		Std. Error of Mean				0.158	
19	Coefficient of Variation				0.597		Skewness				5.288	
20	Mean of logged Data				1.013		SD of logged Data				0.375	
21												
22	Nonparametric Distribution Free UCL Statistics											
23	Data do not follow a Discernible Distribution (0.05)											
24												
25	Assuming Normal Distribution											
26	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
27	95% Student's-t UCL				3.269		95% Adjusted-CLT UCL (Chen-1995)				3.346	
28							95% Modified-t UCL (Johnson-1978)				3.281	
29												
30	Nonparametric Distribution Free UCLs											
31	95% CLT UCL				3.267		95% Jackknife UCL				3.269	
32	95% Standard Bootstrap UCL				3.27		95% Bootstrap-t UCL				3.405	
33	95% Hall's Bootstrap UCL				4.206		95% Percentile Bootstrap UCL				3.282	
34	95% BCA Bootstrap UCL				3.363							
35	90% Chebyshev(Mean, Sd) UCL				3.481		95% Chebyshev(Mean, Sd) UCL				3.696	
36	97.5% Chebyshev(Mean, Sd) UCL				3.994		99% Chebyshev(Mean, Sd) UCL				4.579	
37												
38	Suggested UCL to Use											
39	95% Student's-t UCL				3.269		or 95% Modified-t UCL				3.281	
40												
41	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
42	Recommendations are based upon data size, data distribution, and skewness.											
43	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
44	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
45												

	A	B	C	D	E	F	G	H	I	J	K	L
1	Nonparametric UCL Statistics for Uncensored Full Data Sets											
2	<div>LEAD - ALL DATA</div>											
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.111/5/2019 11:03:57 AM									
5	From File		Belvedere MS Tables UC95.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C2											
12												
13	General Statistics											
14	Total Number of Observations				258		Number of Distinct Observations				233	
15							Number of Missing Observations				1	
16	Minimum				2.5		Mean				42.81	
17	Maximum				2620		Median				11.65	
18	SD				170.4		Std. Error of Mean				10.61	
19	Coefficient of Variation				3.98		Skewness				13.69	
20	Mean of logged Data				2.638		SD of logged Data				1.314	
21												
22	Nonparametric Distribution Free UCL Statistics											
23	Data do not follow a Discernible Distribution (0.05)											
24												
25	Assuming Normal Distribution											
26	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
27	95% Student's-t UCL				60.32		95% Adjusted-CLT UCL (Chen-1995)				69.92	
28							95% Modified-t UCL (Johnson-1978)				61.83	
29												
30	Nonparametric Distribution Free UCLs											
31	95% CLT UCL				60.26		95% Jackknife UCL				60.32	
32	95% Standard Bootstrap UCL				60.26		95% Bootstrap-t UCL				91.22	
33	95% Hall's Bootstrap UCL				126.2		95% Percentile Bootstrap UCL				63.06	
34	95% BCA Bootstrap UCL				81.31							
35	90% Chebyshev(Mean, Sd) UCL				74.64		95% Chebyshev(Mean, Sd) UCL				89.05	
36	97.5% Chebyshev(Mean, Sd) UCL				109.1		99% Chebyshev(Mean, Sd) UCL				148.4	
37												
38	Suggested UCL to Use											
39	95% Chebyshev (Mean, Sd) UCL				89.05							
40												
41	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
42	Recommendations are based upon data size, data distribution, and skewness.											
43	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
44	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
45												

	A	B	C	D	E	F	G	H	I	J	K	L
1	Nonparametric UCL Statistics for Uncensored Full Data Sets											
2	LEAD - ALL DATA, MAX OMITTED											
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.111/19/2019 4:58:57 PM									
5	From File		Lead Data - Max Omitted.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	Lead											
12												
13	General Statistics											
14	Total Number of Observations				257		Number of Distinct Observations				230	
15							Number of Missing Observations				0	
16	Minimum				1.25		Mean				32.27	
17	Maximum				455		Median				11.4	
18	SD				55.51		Std. Error of Mean				3.462	
19	Coefficient of Variation				1.72		Skewness				4.056	
20	Mean of logged Data				2.57		SD of logged Data				1.322	
21												
22	Nonparametric Distribution Free UCL Statistics											
23	Data do not follow a Discernible Distribution (0.05)											
24												
25	Assuming Normal Distribution											
26	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
27	95% Student's-t UCL				37.98		95% Adjusted-CLT UCL (Chen-1995)				38.9	
28							95% Modified-t UCL (Johnson-1978)				38.13	
29												
30	Nonparametric Distribution Free UCLs											
31	95% CLT UCL				37.96		95% Jackknife UCL				37.98	
32	95% Standard Bootstrap UCL				37.91		95% Bootstrap-t UCL				39.51	
33	95% Hall's Bootstrap UCL				39.56		95% Percentile Bootstrap UCL				38.36	
34	95% BCA Bootstrap UCL				39.39							
35	90% Chebyshev(Mean, Sd) UCL				42.65		95% Chebyshev(Mean, Sd) UCL				47.36	
36	97.5% Chebyshev(Mean, Sd) UCL				53.89		99% Chebyshev(Mean, Sd) UCL				66.72	
37												
38	Suggested UCL to Use											
39	95% Chebyshev (Mean, Sd) UCL				47.36							
40												
41	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
42	Recommendations are based upon data size, data distribution, and skewness.											
43	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
44	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
45												

	A	B	C	D	E	F	G	H	I	J	K	L
1	Nonparametric UCL Statistics for Uncensored Full Data Sets											
2	<div> <div>LEAD - POST-EXCAVATION</div> </div>											
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.111/5/2019 11:30:25 AM									
5	From File		WorkSheet.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10												
11	C2											
12												
13	General Statistics											
14	Total Number of Observations				221		Number of Distinct Observations				198	
15							Number of Missing Observations				1	
16	Minimum				2.5		Mean				20.42	
17	Maximum				274		Median				8.24	
18	SD				33.88		Std. Error of Mean				2.279	
19	Coefficient of Variation				1.659		Skewness				4.402	
20	Mean of logged Data				2.335		SD of logged Data				1.082	
21												
22	Nonparametric Distribution Free UCL Statistics											
23	Data do not follow a Discernible Distribution (0.05)											
24												
25	Assuming Normal Distribution											
26	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
27	95% Student's-t UCL				24.19		95% Adjusted-CLT UCL (Chen-1995)				24.89	
28							95% Modified-t UCL (Johnson-1978)				24.3	
29												
30	Nonparametric Distribution Free UCLs											
31	95% CLT UCL				24.17		95% Jackknife UCL				24.19	
32	95% Standard Bootstrap UCL				24.07		95% Bootstrap-t UCL				25.6	
33	95% Hall's Bootstrap UCL				24.96		95% Percentile Bootstrap UCL				24.18	
34	95% BCA Bootstrap UCL				25.16							
35	90% Chebyshev(Mean, Sd) UCL				27.26		95% Chebyshev(Mean, Sd) UCL				30.36	
36	97.5% Chebyshev(Mean, Sd) UCL				34.65		99% Chebyshev(Mean, Sd) UCL				43.1	
37												
38	Suggested UCL to Use											
39	95% Chebyshev (Mean, Sd) UCL				30.36							
40												
41	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
42	Recommendations are based upon data size, data distribution, and skewness.											
43	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
44	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
45												

	A	B	C	D	E	F	G	H	I	J	K	L
1	Nonparametric UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.111/5/2019 11:03:57 AM								
5	From File			Belvedere MS Tables UC95.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	C2											
12												
13	General Statistics											
14	Total Number of Observations				258		Number of Distinct Observations				233	
15							Number of Missing Observations				1	
16	Minimum				2.5		Mean				42.81	
17	Maximum				2620		Median				11.65	
18	SD				170.4		Std. Error of Mean				10.61	
19	Coefficient of Variation				3.98		Skewness				13.69	
20	Mean of logged Data				2.638		SD of logged Data				1.314	
21												
22	Nonparametric Distribution Free UCL Statistics											
23	Data do not follow a Discernible Distribution (0.05)											
24												
25	Assuming Normal Distribution											
26	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
27	95% Student's-t UCL				60.32		95% Adjusted-CLT UCL (Chen-1995)				69.92	
28							95% Modified-t UCL (Johnson-1978)				61.83	
29												
30	Nonparametric Distribution Free UCLs											
31	95% CLT UCL				60.26		95% Jackknife UCL				60.32	
32	95% Standard Bootstrap UCL				60.26		95% Bootstrap-t UCL				91.22	
33	95% Hall's Bootstrap UCL				126.2		95% Percentile Bootstrap UCL				63.06	
34	95% BCA Bootstrap UCL				81.31							
35	90% Chebyshev(Mean, Sd) UCL				74.64		95% Chebyshev(Mean, Sd) UCL				89.05	
36	97.5% Chebyshev(Mean, Sd) UCL				109.1		99% Chebyshev(Mean, Sd) UCL				148.4	
37												
38	Suggested UCL to Use											
39	95% Chebyshev (Mean, Sd) UCL				89.05							
40												
41	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
42	Recommendations are based upon data size, data distribution, and skewness.											
43	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
44	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
45												

	A	B	C	D	E	F	G	H	I	J	K	L
1	Nonparametric UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.111/5/2019 11:30:25 AM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	C2											
12												
13	General Statistics											
14	Total Number of Observations				221		Number of Distinct Observations				198	
15							Number of Missing Observations				1	
16	Minimum				2.5		Mean				20.42	
17	Maximum				274		Median				8.24	
18	SD				33.88		Std. Error of Mean				2.279	
19	Coefficient of Variation				1.659		Skewness				4.402	
20	Mean of logged Data				2.335		SD of logged Data				1.082	
21												
22	Nonparametric Distribution Free UCL Statistics											
23	Data do not follow a Discernible Distribution (0.05)											
24												
25	Assuming Normal Distribution											
26	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
27	95% Student's-t UCL				24.19		95% Adjusted-CLT UCL (Chen-1995)				24.89	
28							95% Modified-t UCL (Johnson-1978)				24.3	
29												
30	Nonparametric Distribution Free UCLs											
31	95% CLT UCL				24.17		95% Jackknife UCL				24.19	
32	95% Standard Bootstrap UCL				24.07		95% Bootstrap-t UCL				25.6	
33	95% Hall's Bootstrap UCL				24.96		95% Percentile Bootstrap UCL				24.18	
34	95% BCA Bootstrap UCL				25.16							
35	90% Chebyshev(Mean, Sd) UCL				27.26		95% Chebyshev(Mean, Sd) UCL				30.36	
36	97.5% Chebyshev(Mean, Sd) UCL				34.65		99% Chebyshev(Mean, Sd) UCL				43.1	
37												
38	Suggested UCL to Use											
39	95% Chebyshev (Mean, Sd) UCL				30.36							
40												
41	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
42	Recommendations are based upon data size, data distribution, and skewness.											
43	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
44	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
45												

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## **APPENDIX G: INITIAL STUDY/MITIGATED NEGATIVE DECLARATION NOTICE OF INTENT**



# NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION AND NOTICE OF PUBLIC COMMENT PERIOD FOR A PRELIMINARY ENVIRONMENTAL ASSESSMENT EQUIVALENT

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

**PROJECT TITLE:** Belvedere Middle School Comprehensive Modernization Project

**SUBJECT:** Notice of Intent to Adopt a Mitigated Negative Declaration and Public Comment Period for a Preliminary Environmental Assessment Equivalent

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

**PROJECT LOCATION:** The 12.1-acre Belvedere Middle School (Belvedere MS) is located at 312 North Record Avenue, Los Angeles, Los Angeles County, California. The site is not on any of the lists enumerated under Section 65962.5 of the Government Code (also known as the Cortese List).

**PROJECT DESCRIPTION:** The Project encompasses most of the Belvedere MS campus and consists of the comprehensive modernization of the campus, including demolition, construction, and renovation activities as a part of the School Upgrade Program. The Project includes demolition and removal of existing buildings and structures including: Main Administrative Building (Building No. 1), Storage Unit 2 (No. 6), Classroom Building #2- Math Lab (No. 7), Physical Education Building (No. 11), Home Economics/Cafeteria (No. 12), Lunch Shelter (No. 13), Utility Building (No. 14), Shop Building (No. 15), Storage Unit #1 (No. 16), Green House (No. 17), Agriculture Classroom (No. 19), Classroom Building #1 (No. 20), Academic Building (No. 21), Existing Building (No. 25), New Lunch Shelter (No. 26) and Flammable Storage (No. 27). The Project also includes the construction of new classroom and administrative buildings, new physical education/athletic facilities, shared support areas and maintenance and operations buildings; and modernization of the existing Main Administration Building (No. 1) and Classroom and Library Building (No. 2). Other improvements include campus-wide infrastructure, including upgrades to outdated infrastructure such as utilities and irrigation, lighting, fencing gates, CCTV systems, Americans with Disabilities Act (ADA) compliance, landscape, hardscape, and exterior paint.

Prior to construction of the new facilities, the District proposes to remove up to approximately 850 cubic yards of soil from the campus and dispose of it off-site in accordance with the conditions that are presented in the PEA-E.

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

**PUBLIC REVIEW PERIOD:** Pursuant to California Code of Regulations, Title 14, Section 15072, LAUSD will make the IS/MND and PEA-E available for public review and comment from **November 20, 2019 to December 27, 2019**.

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

Los Angeles Unified School District  
Office of Environmental Health and Safety  
Attention: Ms. Christy Wong, Assistant CEQA Project Manager  
333 South Beaudry Avenue, 21<sup>st</sup> Floor  
Los Angeles, CA 90017

Email: [CEQA-comments@lausd.net](mailto:CEQA-comments@lausd.net)

Please include "Belvedere MS Comp Mod" in the subject line

**PUBLIC MEETING:** LAUSD will hold a public meeting on **Wednesday, December 4, 2019 at 6:00 PM at Belvedere MS Auditorium**. All agencies, organizations, and interested parties are encouraged to attend.

**DOCUMENT AVAILABILITY:** Hardcopies of the IS/MND are available for review at the following locations:

- LAUSD, Office of Environmental Health and Safety, 333 South Beaudry Avenue, 21<sup>st</sup> Floor, Los Angeles, CA 90017 (by appointment, call 213.241.3394)
- Belvedere Middle School Main Office, 312 North Record Avenue, Los Angeles, California 90063
- Anthony Quinn Library, 3965 East Cesar E Chavez Avenue, Los Angeles, CA 90063

The IS/MND and PEA-E are also available electronically on the LAUSD Office of Environmental Health and Safety Website:

- CEQA IS/MND (<http://achieve.lausd.net/ceqa>)
- PEA-E (<http://achieve.lausd.net/siteassessment>)

**LAUSD BOARD MEETING:** The LAUSD Board of Education will consider adoption of the CEQA document and approval of the Project during a regularly scheduled public meeting. Check the LAUSD website periodically for the meeting date, time, and location at <http://laschoolboard.org>.





# NOTIFICACIÓN DE LA INTENCIÓN DE ADOPTAR UNA DECLARACIÓN NEGATIVA MITIGADA Y AVISO DEL PERIODO DE COMENTARIOS PÚBLICOS PARA LA EVALUACIÓN AMBIENTAL PRELIMINAR EQUIVALENTE



**PARA:** Agencias, Organizaciones, Propietarios y Partes Interesadas

**TÍTULO DEL PROYECTO:** Proyecto de Modernización Integral de la Escuela Secundaria Belvedere

**ASUNTO:** Notificación de la intención de adoptar una Declaración negativa mitigada y aviso de período de comentarios públicos para la evaluación ambiental preliminar equivalente

**POR LA PRESENTE SE NOTIFICA QUE** el Distrito Escolar Unificado de Los Ángeles (LAUSD, por sus siglas en inglés, o Distrito), como Agencia Principal del Proyecto, ha preparado un Borrador del Estudio Inicial y de la Declaración Negativa Mitigada (IS/MND) sobre el Proyecto de Modernización Integral de la Escuela Secundaria Belvedere, de conformidad con la Ley de Calidad Ambiental de California (CEQA) (Código de Recursos Públicos [PRC], División 13, Artículo 21000 y siguientes [Estatuto CEQA] y del Título 14, División 6, Capítulo 3, Artículo 15000 y siguientes del Código de Regulaciones de California [CCR], (directrices CEQA). El IS/MND es un documento informativo detallado que analiza los impactos ambientales potencialmente significativos de un proyecto propuesto, así como la identificación de las maneras de minimizar y mitigar dichos efectos. El propósito de este aviso es solicitar comentarios sobre el contenido del Borrador IS/MND. Se notifica además que se ha preparado una Evaluación Ambiental Preliminar Equivalente (PEA-E) disponible para su inspección en relación con el Proyecto.

**UBICACIÓN DEL PROYECTO:** El plantel de la Escuela Secundaria Belvedere (Belvedere MS) de 12.1-acres está ubicado en 312 North Record Avenue, Los Ángeles, Condado de Los Ángeles, California. El sitio del Proyecto no se encuentra en ninguna lista de sitios enumerados en el Artículo 65962.5 del Código Gubernamental (Lista de Cortese).

**DESCRIPCIÓN DEL PROYECTO:** El Proyecto propuesto abarca la mayor parte del plantel de la Escuela Secundaria Belvedere y consiste en la modernización integral del plantel, incluyendo actividades de demolición, construcción y renovación como parte del Programa de Renovación Escolar. El proyecto incluye la demolición y remoción de edificios y estructuras existentes incluyendo: Edificio Administrativo Principal (Edificio No. 1), Unidad de Almacenamiento 2 (No. 6), Edificio de Aulas 2-Laboratorio de Matemáticas (No. 7), Edificio de Educación Física (No. 11), Edificio de Economía del Hogar / Cafetería (No. 12), Zona Cubierta para Almuerzos (No. 13), Edificio de Servicios Públicos (No.14), Edificio de Talleres (No. 15), Unidad de Almacenamiento 1 (No. 16), Invernadero (No. 17), Aula de Agricultura (No. 19), Edificio con Aulas 1 (No. 20), Edificio Académico (No. 21), Edificio Existente (No. 25), Nueva Zona Cubierta para Almuerzos (No. 26) y Almacenamiento de Artículos Inflamables (No. 27). El proyecto también incluye la construcción de nuevos edificios administrativos y de aulas, nuevas instalaciones de educación física/atletica, áreas de apoyo compartidas y edificios de mantenimiento y operaciones; y la modernización del edificio de administración principal existente (núm. 1) y el edificio de aulas y bibliotecas (núm. 2). Otras mejoras incluyen infraestructura en todo el plantel, incluyendo actualizaciones a infraestructuras obsoletas, como servicios públicos e, irrigación, iluminación, portones y cercos, sistemas CCTV, cumplimiento de la Ley para Estadounidenses con Discapacidades (ADA, por sus siglas en inglés), jardines, pavimentos de los jardines, pintura interior y exterior, y tratamientos de ventanas.

Antes de la construcción de las nuevas instalaciones, el Distrito propone retirar hasta aproximadamente 850 yardas cúbicas de tierra del plantel y deshacerse ello fuera del plantel de acuerdo con las condiciones que se presentan en el PEA-E.

**POSIBLES EFECTOS AMBIENTALES:** De conformidad con las Directrices de CEQA, Artículo 15064(f)(2) y sobre la base del análisis ambiental en el Estudio Inicial, el Distrito ha determinado que una Declaración Negativa Mitigada es el nivel apropiado de documentación ambiental para el Proyecto. El enfoque del IS/MND se centra en los posibles efectos significativos del Proyecto relacionados con el ruido de construcción. La PEA-E presenta los resultados de las investigaciones ambientales realizadas para este proyecto y describe el proceso propuesto para la remoción y el deshecho del suelo impactado fuera del plantel.

**PERIODO DE REVISIÓN PÚBLICA:** LAUSD hará disponibles los documentos IS/MND y PEA-E (de conformidad con el Código de Regulaciones de California, Título 14, Artículo 15072) para revisión pública y para dar comentarios sobre el mismo del 20 de noviembre, 2019 al 27 de diciembre, 2019.

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

Distrito Escolar Unificado de Los Ángeles  
Oficina de Salud y Seguridad Ambiental  
Atención: Sra. Christy Wong, Vicegerente de Proyecto CEQA  
333 South Beaudry Avenue, 21<sup>st</sup> Floor  
Los Angeles, CA 90017

Correo electrónico: [CEQA-comments@lausd.net](mailto:CEQA-comments@lausd.net)

Por favor, incluya "Belvedere MS Comp Mod" en la línea de asunto

**FORO PÚBLICO:** LAUSD llevará a cabo una reunión pública el miércoles 4 de diciembre, 2019 a las 6:00 PM en el Auditorio de la Secundaria Belvedere. Se recomienda a todas las agencias, organizaciones y partes interesadas que asistan a la reunión.

**DISPONIBILIDAD DE DOCUMENTOS:** Las copias impresas del IS/MND y PEA-E estará disponible para su inspección en las siguientes localidades:

- LAUSD, Oficina de Salud y Seguridad Ambiental, 333 South Beaudry Avenue, Piso 21<sup>o</sup>, Los Angeles, CA 90017 (con cita previa, llame al 213.241.3199)
- Oficina Principal de la Escuela Secundaria Belvedere, 312 North Record Avenue, Los Angeles, California 90063
- Biblioteca Anthony Quinn, 3965 East Cesar E Chavez Avenue, Los Angeles, CA 90063

El IS/MND y PEA-E también está disponible en el sitio web de la Oficina de Salud y Seguridad Ambiental de LAUSD en:

- CEQA IS/MND (<http://achieve.lausd.net/ceqa>)
- PEA-E (<http://achieve.lausd.net/siteassessment>)

**AUDIENCIA DE LA JUNTA DE EDUCACIÓN:** La Junta de Educación de LAUSD considerará la adopción del documento CEQA y la aprobación del Proyecto durante una reunión pública ordinaria programada regularmente. Consulte periódicamente el sitio web de LAUSD para conocer la fecha y el horario de la audiencia en <http://laschoolboard.org>.



## LOS ANGELES UNIFIED SCHOOL DISTRICT

Facilities Services Division  
Office of Environmental Health & Safety

# Notice of

## CEQA AND SITE ASSESSMENT PUBLIC MEETING

about the *COMPREHENSIVE MODERNIZATION PROJECT* at

### **Belvedere Middle School**

The LAUSD Office of Environmental Health & Safety (OEHS) invites you to a California Environmental Quality Act (CEQA) and Site Assessment Public Meeting for the Belvedere Middle School *COMPREHENSIVE MODERNIZATION PROJECT*. **The purpose of this meeting is to provide a project update and present the results of the Initial Study/Mitigated Negative Declaration and the Preliminary Environmental Assessment - Equivalent (PEA-E) that have been prepared for the project.**

The Initial Study evaluates the potential effects the proposed Project may have on the surrounding environment, such as noise, traffic, etc. The results of the Initial Study indicate that a Mitigated Negative Declaration was the appropriate level of CEQA documentation.

The PEA-E Investigation was completed to determine if the soil beneath the project area may have been impacted with chemicals of concern.

## **Wednesday, December 4, 2019**

6 p.m. – 7:30 p.m.

**BELVEDERE MIDDLE SCHOOL – Auditorium**

312 North Record Avenue, Los Angeles, CA 90063

The Initial Study/Mitigated Negative Declaration and Draft PEA-E Report can be reviewed at the following locations:

- LAUSD, Office of Environmental Health and Safety, 333 South Beaudry Ave., 21<sup>st</sup> Floor  
Los Angeles, CA 90017 (by appointment, call 213 241-3394)
- Belvedere Middle School Main Office: 312 N. Record Ave., Los Angeles, CA 90063
- Anthony Quinn Library: 3965 E. Cesar Chavez Ave., Los Angeles, CA 90063
- Website of LAUSD Office of Environmental Health and Safety:
  - Initial Study/Mitigated Negative Declaration (<http://achieve.lausd.net/ceqa>)
  - PEA-E (<http://achieve.lausd.net/siteassessment>)

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FOR MORE INFORMATION, PLEASE CONTACT FORTUNATO TAPIA OF FSD COMMUNITY RELATIONS  
MAIN LINE: (213) 241-1340 DIRECT LINE: (213) 241-1338 EMAIL: [FORTUNATO.TAPIA@LAUSD.NET](mailto:FORTUNATO.TAPIA@LAUSD.NET)



LOS ANGELES UNIFIED SCHOOL DISTRICT  
Facilities Services Division  
Office of Environmental Health & Safety

# Aviso de

## REUNIÓN PÚBLICA DE CEQA Y EVALUACIÓN DEL SITIO

Sobre el *PROYECTO DE MODERNIZACIÓN INTEGRAL* en  
**Belvedere Middle School**

La Oficina de Salud y Seguridad Ambiental (OEHS) de LAUSD le invita a una reunión pública sobre la Ley de Calidad Ambiental de California (CEQA) y evaluación del sitio del *PROYECTO DE MODERNIZACIÓN INTEGRAL* de la escuela secundaria Belvedere Middle School. **El propósito de esta reunión es compartir lo más reciente del proyecto y presentar los resultados del Estudio Inicial/Declaración Negativa Mitigada y la Evaluación Ambiental Preliminar - Equivalente (PEA-E) que se han preparado para este proyecto.**

El Estudio Inicial evaluó los posibles efectos medioambientales que el proyecto propuesto pudiera tener en su entorno, como ruido, tráfico, etc. Los resultados del Estudio Inicial indican que la Declaración Negativa Mitigada en materia ambiental está al nivel adecuado para los objetivos de CEQA.

La investigación del PEA-E se llevó a cabo para determinar si el suelo del subsuelo debajo del proyecto pudiera estar contaminados con sustancias químicas de peligro para la salud.

**Miércoles, 4 de Diciembre, 2019**

6 p.m. – 7:30 p.m.

**Auditorio de Belvedere Middle School**  
312 North Record Avenue, Los Angeles, CA 90063

Los documentos del Estudio Inicial/Declaración Negativa Mitigada y Reporte están disponibles en los siguientes lugares:

- Oficina de Salud y Seguridad Ambiental (OEHS) de LAUSD: 333 South Beaudry Ave., Piso 21  
Los Angeles, CA 90063 (solo con cita, llame a 213 241-3394)
- Oficina de la escuela Belvedere Middle School: 312 N. Record Ave., Los Angeles, CA 90063
- Biblioteca Anthony Quinn: 3965 E. Cesar Chavez Ave., Los Angeles, CA 90063
- Página de internet (Website) de la Oficina de Salud y Seguridad Ambiental (OEHS) de LAUSD:
  - Initial Study/Mitigated Negative Declaration (<http://achieve.lausd.net/ceqa>)
  - PEA-E (<http://achieve.lausd.net/siteassessment>)

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PARA MÁS INFORMACIÓN, LLAME A FORTUNATO TAPIA DE FSD COMMUNITY RELATIONS  
LÍNEA CENTRAL: (213) 241-1340 LÍNEA DIRECTA: (213) 241-1338 EMAIL: [FORTUNATO.TAPIA@LAUSD.NET](mailto:FORTUNATO.TAPIA@LAUSD.NET)