



## **PRELIMINARY ENVIRONMENTAL ASSESSMENT EQUIVALENT REPORT**

*Performed at:*

**William Howard Taft Charter High School**  
5461 Winnetka Avenue  
Woodland Hills, California 91364

*Prepared for:*

**Los Angeles Unified School District**  
**Office of Environmental Health & Safety**  
333 South Beaudry, 21<sup>st</sup> Floor (21-223-07)  
Los Angeles, California 90017

***EFI Global Project No. 9836003557***

--DRAFT--

## LIST OF ABBREVIATIONS / ACRONYMS

AC – Asphalt concrete  
ADA – Americans with Disabilities Act  
BCU – Bank cubic yards  
CPDH – California Department of Public Health  
DHS – California Department of Health Services  
DOT – Department of Transportation  
DPT – Direct-Push-Technology  
DTSC – California Department of Toxic Substances Control  
EPA – United States Environmental Protection Agency  
ft. amsl – feet above mean sea level  
GC/MS – Gas Chromatograph/Mass Spectrometry Detection  
GRO – Gasoline-Range Organics  
LAUSD – Los Angeles Unified School District  
LCU – Loose cubic yards  
LUST – Leaking Underground Storage Tank  
mg/kg – milligram per kilogram  
mg/l – milligrams per liter  
ml/min – milliliters per minute  
OCP – Organochlorine pesticides  
OEHS – Office of Environmental Health and Safety  
PEA-E – Preliminary Environmental Assessment – Equivalent  
PCB – Polychlorinated biphenyls  
pCi/l – picoCuries per liter of air  
Phase I ESA – Phase I Environmental Site Assessment  
PID – Photoionization detector  
pVIC – Potential vapor intrusion condition  
QA/QC – Quality Assurance / Quality Control  
RAW – Remedial Action Work Plan  
REC – Recognized Environmental Condition  
RSL – Regional Screening Level [*Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.00);*  
EPA, November 2018)]  
SSALs – Site Specific Action Levels  
SWRCB – California State Water Resources Control Board  
TPHcc – Total Petroleum Hydrocarbons – carbon chain  
TTLC – Total Threshold Limit Concentration  
USA – Underground Service Alert  
USCS – Unified Soil Classification System  
VOC – Volatile Organic Compound  
*Vapor Intrusion Guidance – Final Guidance for the Evaluation and Mitigation of Subsurface Vapor  
Intrusion to Indoor Air* (DTSC, October 2011)  
WET – Wet Extraction Test  
22 CCR – Official California Code of Regulations, Title 22  
40 CFR – Code of Federal Regulations, Title 40  
µg/kg – micrograms per kilogram  
µg/l – micrograms per liter

## EXECUTIVE SUMMARY

On behalf of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), EFI Global has performed a Preliminary Environmental Assessment-Equivalent (PEA-E) for the William Howard Taft Charter High School campus located at 5461 Winnetka Avenue in Woodland Hills, California (the Site).

Proposed work at the campus includes the seismic retrofit, modernization, and improvement of several existing structures; demolition of several existing structures, and construction of new improvements. The purpose of this assessment is to identify if any environmental issues will need to be mitigated either prior to or during construction activities.

According to information presented in a Phase I Environmental Site Assessment (Phase I ESA) performed at the Site by PlaceWorks in 2017, it was common practice for LAUSD to apply herbicides containing arsenic prior to the placement of asphalt concrete (AC) pavement. Additionally, a three-stage clarifier located near the former Industrial Arts building was identified. Additional identified environmental concerns included the potential for soil contamination from lead based paint, and potential health risks associated with naturally-occurring radon gas.

EFI Global conducted this PEA-E to assess shallow soils in select portions of the Site for Title 22 metals, organochlorine pesticide (OCP), polychlorinated biphenyl (PCB), petroleum hydrocarbons, and volatile organic compound (VOC) impacts, and to evaluate the Site for a potential vapor intrusion condition (pVIC) from the on-site three-stage clarifier. A total of 96 soil borings (B1 through B96) and 27 step-out borings were advanced in several areas of the Site, and select soil samples were collected and analyzed. Two soil vapor probes were installed in boring B13, and soil vapor samples were collected and analyzed.

Analytical results for soil samples collected at the Site identified concentrations of dieldrin, lead, and arsenic in the upper three feet of soil in five sampling locations. As such, EFI Global recommends completing a Remedial Action Work Plan (RAW) for the removal of impacted soil in the vicinity of locations B5, B9, B11, B37, and B61 through excavation and disposal. Following removal of approximately 17 bank cubic yards [BCU; approximately 26 loose cubic yards (LCU)] of impacted soils, EFI Global recommends confirmation soil sampling be included in the RAW to confirm that the elevated concentrations have been adequately removed.

Data generated during this investigation indicates areas which have been impacted by OCPs, metals, and petroleum hydrocarbons, if exported from the Site, should be disposed of as non-hazardous regulated waste.

## TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	PREVIOUSLY-IDENTIFIED POTENTIAL ENVIRONMENTAL CONCERNS .....	1
<b>2.0</b>	<b>SITE INFORMATION.....</b>	<b>2</b>
2.1	SITE LOCATION AND DESCRIPTION .....	2
2.2	REGIONAL GEOLOGIC AND HYDROGEOLOGIC SETTING.....	2
2.3	LOCAL GEOLOGIC AND HYDROGEOLOGIC SETTING .....	2
2.4	PROPOSED REDEVELOPMENT ACTIVITIES .....	3
<b>3.0</b>	<b>FIELD ACTIVITIES.....</b>	<b>3</b>
3.1	FIELD PREPARATION.....	3
3.2	SOIL SAMPLING .....	3
3.3	ENCOUNTERED SOIL TYPES.....	4
3.4	SOIL VAPOR PROBE INSTALLATION .....	5
3.5	INVESTIGATIVE-DERIVED WASTE MANAGEMENT .....	6
<b>4.0</b>	<b>CHEMICAL ANALYSIS.....</b>	<b>6</b>
4.1	SOIL ANALYTICAL SCHEDULE.....	7
4.2	SOIL VAPOR ANALYTICAL SCHEDULE .....	7
<b>5.0</b>	<b>ANALYTICAL RESULTS .....</b>	<b>7</b>
5.1	SOIL ANALYTICAL RESULTS.....	7
5.2	SOIL VAPOR ANALYTICAL RESULTS .....	10
<b>6.0</b>	<b>PROPOSED REMEDIAL ACTION WORK PLAN .....</b>	<b>12</b>
<b>7.0</b>	<b>SOLID WASTE CHARACTERIZATION.....</b>	<b>13</b>
<b>8.0</b>	<b>CONCLUSIONS AND RECOMMENDATIONS.....</b>	<b>14</b>
<b>9.0</b>	<b>SIGNIFICANT ASSUMPTIONS, LIMITATIONS AND RELIANCE.....</b>	<b>15</b>
<b>10.0</b>	<b>SIGNATURES OF ENVIRONMENTAL PROFESSIONALS .....</b>	<b>16</b>

## FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan
Figures 3 through 6	Site Plan with Arsenic, Lead & Dieldrin Concentrations

## TABLES

Table 1	Borings Summary Table
Table 2	Organochlorine Pesticides in Soil
Table 3	Polychlorinated Biphenyls in Soil
Table 4	Title 22 Metals in Soil
Table 5	Total Petroleum Hydrocarbons and VOCs in Soil
Table 6	Volatile Organic Compounds and Gasoline Range Organics in Soil

## APPENDICES

Appendix A	Boring Logs with Borehole Completion Diagrams
Appendix B	Laboratory Reports and Chain-of-Custody Documentation
Appendix C	Investigative-Derived Waste Manifest
Appendix D	ProUCL Results

## 1.0 INTRODUCTION

On behalf of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), EFI Global has performed a Preliminary Environmental Assessment-Equivalent (PEA-E) for the William Howard Taft Charter High School campus located at 5461 Winnetka Avenue in Woodland Hills, California (the Site; Figure 1). Assessment activities performed were based on the following:

1. Phase I Environmental Site Assessment (Phase I ESA) dated September 2017 by PlaceWorks, which identified recognized environmental conditions (RECs) associated with the property;
2. Scope of work provided by LAUSD (*Scope of Services: PEA Equivalent* document dated April 23, 2018);
3. Preliminary Environmental Assessment – Equivalent Work Plan dated October 5, 2017, by PlaceWorks;
4. Amendment to Preliminary Environmental Assessment Equivalent Scope of Work dated July 23, 2018, by EFI Global; and
5. Amendment 2 to Preliminary Environmental Assessment Equivalent Scope of Work dated September 19, 2018, by EFI Global.

Proposed work at the campus includes the seismic retrofit, modernization, and improvement of several existing structures; demolition of several existing structures; demolition of several bungalows; and construction of new improvements. The purpose of this assessment is to identify if any environmental issues will need to be mitigated either prior to or during construction activities.

EFI Global conducted this PEA-E to assess the soil at the Site for lead, arsenic, organochlorine pesticide (OCP), polychlorinated biphenyl (PCB), petroleum hydrocarbon, and volatile organic compound (VOC) impacts from the current/former site operations, and to evaluate the Site for a potential vapor intrusion condition (pVIC) from potential impacts from the on-site clarifier.

A total of 96 soil borings (B1 through B96) and 27 step-out borings were advanced in several areas of the Site, and select soil samples were collected and analyzed. Two soil vapor probes were installed in boring B13, and soil vapor samples were collected and analyzed.

### 1.1 PREVIOUSLY-IDENTIFIED POTENTIAL ENVIRONMENTAL CONCERNS

A Phase I ESA was previously performed at the Site by PlaceWorks in September 2017. The report identified the following recognized environmental conditions (RECs) and potential environmental concerns associated with the Site:

- Historical Herbicide Uses – LAUSD’s potential use of herbicides containing arsenic prior to the placement of asphalt concrete (AC) pavement was considered a REC.
- Industrial Wastewater – A three-stage clarifier located underneath the arcade on the east side of the former Industrial Arts (Auto Shop) Building / current weight room was considered a REC.
- Exterior Soil impacts from Lead-Based Paint and Termiticides – The primary buildings at the Site were constructed prior to 1964 and, therefore, the exposed soil around the buildings may contain elevated concentrations of lead from lead-based paint. In addition, exposed soil around any timber

structures of this vintage may contain elevated concentrations of organochlorine pesticides (OCPs) from former termiticide applications.

- Radon Gas – The Site is located within a zip code where approximately one-third of the samples collected and analyzed by the California Department of Public Health (CDPH) for radon gas exceeded the United States Environmental Protection Agency's (EPA's) action level of 4.0 picoCuries per liter of air (pCi/l).

## **2.0 SITE INFORMATION**

This section provides pertinent Site information, including location, description and geologic and hydrogeologic setting.

### **2.1 SITE LOCATION AND DESCRIPTION**

The Site is located on the southwest corner of the intersection of Ventura Boulevard and Winnetka Avenue in the Woodland Hills neighborhood of the city of Los Angeles, California (Figure 2). The Site is bound to the north by Ventura Boulevard, to the south by Santa Rita Street, to the east by Winnetka Avenue, and to the west by Del Moreno Drive. The Site is approximately 29 acres in size (identified by Assessor's Parcel Number 2166-042-902) and consists of several academic and administrative structures, courtyards, recreational fields, sports facilities, landscaped areas, and parking lots. The school campus was constructed between 1958 and 1961. The surrounding area is used for commercial and residential purposes.

### **2.2 REGIONAL GEOLOGIC AND HYDROGEOLOGIC SETTING**

The Site is located within the southwest portion of the San Fernando Valley, north of the Santa Monica Mountains, which are a part of the Transverse Ranges Geomorphic Province. The Transverse Ranges are an east-west trending series of steep mountain ranges and valleys. The east-west structure of the Transverse Ranges is oblique to the normal northwest trend of coastal California, hence the name "Transverse." The province extends offshore to include San Miguel, Santa Rosa, and Santa Cruz islands. Its eastern extension, the San Bernardino Mountains, has been displaced to the south along the San Andreas Fault (*California Geomorphic Provinces – Note 36*, California Geological Survey, revised December 2002).

The majority of the Site is underlain with Quaternary-aged surficial sediment deposits of Holocene and Pleistocene age. These deposits are generally characterized as alluvial gravel, sand, and clay of valley areas. The southern portion of the Site is underlain by a Miocene-aged unnamed shale formation which consists of light gray, moderately to vaguely bedded claystone and siltstone (*Geologic Map of the Topanga – Canoga Park (South ½) Quadrangles*, Dibblee Geological Foundation, 1992).

### **2.3 LOCAL GEOLOGIC AND HYDROGEOLOGIC SETTING**

The elevation of the Site is between 835 feet above mean sea level (ft. amsl) in the northeast portion to 915 ft. amsl in the south portion (Canoga Park, California 7.5 minute topographic quadrangle, United States Geological Survey, 1967; Figure 1]. No wetlands were identified at the property or adjoining/immediately surrounding properties.

Groundwater was encountered at the Site during the advancement of boring B13 at a depth of approximately 11.5 feet bgs. This datum is further supported by groundwater data presented in the State Water Resources Control Board (SWRCB) GeoTracker website. Groundwater was detected at the closed leaking underground storage tank (LUST) site (20101 Ventura Boulevard) located approximately 70 feet north of the Site across Ventura Boulevard at an average depth of approximately 10 feet bgs with a reported groundwater flow direction to the northeast [*Groundwater Monitoring Report – Second Quarter 2010 (5 January 2010 to 25 May 2010) Former Mobil Service Station 18183*, Etic Engineering, June 2010].

## **2.4 PROPOSED REDEVELOPMENT ACTIVITIES**

According to information provided by LAUSD OEHS, the proposed redevelopment activities include the seismic retrofit and modernization of the Administration Building (Building 21), Multi-Purpose Room/Food Service/Lunch Shelter/Student Store (Buildings 1 and 7), and Industrial Arts #1 (Buildings 8, 9, and 10). Three new elevators with bridges will be added to provide programmatic access to the two story classroom buildings A-G (Buildings 4 and 5). The exterior of all existing buildings will be painted as necessary to provide a uniform appearance and enhanced curb appeal. Existing classrooms not being modernized will receive minor interior improvements to help promote teaching and learning. Improvements to meet programmatic access requirements of the Americans with Disabilities Act (ADA) will be made throughout the Site. Aging and outdated site infrastructure (i.e. utilities, stormwater/drainage systems. Various landscape and hardscape improvements will also be made. Various upgrades, improvements or other mitigations to ensure compliance with local, state and/or federal facilities requirements will also be undertaken. A new softball field, and an enlarged artificial turf field & synthetic track with scoreboard, restrooms, ticket booth, and concession stand will be provided. Demolition of 12 relocatable buildings (Ivy Academia Charter) and nine permanent buildings, including Sanitary Building #1 (Building #8), Sanitary Building #2 (Building #14), Industrial Arts Building #2 (Building #9), Storage Unit Buildings #11 & 13, Parent Center Buildings #12 & #16, Ticket Booth #1 (Building #39), and Concession #1 (Building #41).

## **3.0 FIELD ACTIVITIES**

All field activities pertaining to this PEA-E were completed over four separate field events that took place in July, August, November, and December, 2018. Field work conducted as part of this investigation included the advancement and select soil sampling in 96 soil borings and 27 step-out soil borings, the installation and sampling of two soil vapor probes in one boring. Events can be summarized as follows:

- **Event 1** (July 10 and 11, 2018): Soil sampling in borings B1 through B49, and soil vapor probe installation in boring B13;
- **Event 2** (August 9 and 13, 2018): Step-out soil sampling, and soil sampling in borings B51 through B67;
- **Event 3** (November 19, 20, and 21, 2018): Step-out sampling, soil sampling in borings B68 through B94; and
- **Event 4** (December 26, 2018): Soil drum disposal.

## **3.1 FIELD PREPARATION**

Prior to conducting field activities, EFI Global personnel marked the work areas clearly with white paint. Underground Service Alert (USA) was notified of the pending fieldwork a minimum of 48 hours before mobilization. Boring locations were subsequently checked for utility conflicts, access limitations and other hindrances or issues which may have been encountered during fieldwork. No conflicts with utilities were identified in the chosen boring locations.

## **3.2 SOIL SAMPLING**

EFI Global field personnel directed the advancement of 96 soil borings (B1 through B96; Figures 3 through 6) to assess subsurface conditions. Based on analytical results, step-out borings were advanced around nine boring locations (B2, B5, B11, B37, B41, B43, B49, B52, and B61) to further assess soil conditions. Three step-out borings were advanced in each of the nine (9) locations.

### 3.2.1 BORING LOCATIONS, SAMPLING INTERVALS AND INVESTIGATIVE OBJECTIVES

Boring locations were pre-selected by LAUSD OEHS and were advanced in the areas shown in Figures 3 through 6. A summary of boring locations, sampling depths, and soil sample chemical analysis is presented in Table 1.

### 3.2.2 BOREHOLE ADVANCEMENT AND SOIL SAMPLING METHODOLOGY

All borings were advanced using either a direct-push-technology (DPT) sampling rig or hand auger equipment. At each location with asphalt concrete (AC) paving, a coring barrel was initially used to core through the surface cover.

Each rig was equipped with a hydraulic hammer or vibrator, which was used to drive a 1.5-inch-diameter sampling tool into the soil. In borings advanced with a DPT rig, a hydraulic hammer was used to drive the push-probe sampling system into the soil to the desired sampling depths. As the core barrel was advanced, soil was driven into an acetate sleeve. After being driven, the rods were removed from the borehole, and the acetate sleeve containing the soil was removed from the sample barrel. A six-inch section from the targeted sample depth was then cut, sealed with Teflon® tape and tight-fitting plastic caps, properly labeled, recorded in a chain-of-custody form, and placed in a chilled container pending transport to a state-certified laboratory for analysis.

In boring locations advanced with hand auger equipment, an approximately 3.25-inch-diameter hand auger was used to advance the boring. Soil samples were collected at designated sampling depths in each boring by retrieving a representative volume of soil from the auger bucket and transferring the soil into an acetate liner or a pre-cleaned, laboratory-provided, glass jars with Teflon® lids.

Soil was logged in general accordance with the Unified Soil Classification System (USCS). The samples were observed for color, texture, moisture content, plasticity, evidence of fill material, visible evidence of soil contamination (i.e., discoloration), and any other notable characteristics. Remaining soil from the recovered interval was extruded from the sample liner and used for lithologic description and headspace analysis using a photoionization detector (PID). Incidental odors were also noted, if any. Chain-of-custody documentation and protocol were maintained from sample collection through submittal to the analytical laboratory.

Each sample was additionally field-screened for VOCs by headspace analysis using a PID. A portion of the recovered sample was placed in a plastic bag and sealed to allow organic vapors to volatilize, at which point the PID probe tip was inserted into the bag and the maximum reading observed and recorded.

A minimum of 10% of representative duplicate soil samples were additionally collected for quality control measures.

Soil samples from boring B13 were additionally sub-sampled via EPA Method 5035 to preserve samples for VOC analysis. EPA Method 5035 preservation consisted of immediate sub-sampling of the recovered soil by extracting three 5-gram aliquots of soil from the acetate liner, placing two into glass vials with sodium bisulfate preservative, and placing one into a glass vial with methanol preservative.

### 3.3 ENCOUNTERED SOIL TYPES

Soils encountered during this assessment were classified as follows:

Shallow soils (approximately 0 to 3.5 feet bgs): Generally sandy silt (USCS soil type classification ML), silt (ML), or clayey silt (ML); light brown, medium brown, reddish brown, dark brown; loose to medium density; low to medium plasticity, moist.

PID readings ranged from 0.0 parts per million (ppm) to a maximum of 180 parts per million. Based on the elevated PID readings, the two samples with the highest PID readings (B6-0.5 and B18-3) were

submitted for VOC analysis by EPA Method 8260B. However, the PID readings are likely the result of decomposing organic matter in the soil that was identified during sampling in these locations and all VOC concentrations were below reportable limits.

Groundwater was encountered at the Site during the advancement of boring B13 at a depth of approximately 11.5 feet bgs.

Boring logs with borehole completion diagrams are included as Appendix A.

### **3.4 SOIL VAPOR PROBE INSTALLATION**

Upon completion of soil sampling, boring B13 was immediately converted into a temporary dual-nested soil vapor sampling probe, with probes installed at depths of 5 and 10 feet bgs. Following the completion of soil sampling, the bottom of the borehole was backfilled with dry bentonite granules to a depth of 10.5 feet below ground surface; the deeper of two intended soil vapor sample depths. A six-inch interval of clean sand was then placed into the bottom of the borehole. A 1-inch porous probe tip connected to ¼-inch outer diameter Nylaflow® tubing was then lowered into the borehole to the target sample depth of 10 feet bgs. An additional six inches of sand were then placed in the borehole, embedding the probe tip within a 1-foot-thick sand pack. Approximately six inches of dry bentonite granules were placed above the sand pack, and the boring was subsequently backfilled with bentonite granules and hydrated in six-inch lifts to a depth of 5.5 feet bgs. A six-inch interval of clean sand was then placed into the bottom of the borehole. A second 1-inch porous probe tip connected to ¼-inch outer diameter Nylaflow® tubing was then lowered into the borehole to the target sample depth of five feet bgs. An additional six inches of sand were then placed in the borehole, embedding the probe tip within a 1-foot-thick sand pack. Approximately six inches of dry bentonite granules were placed above the sand pack, and the boring was subsequently backfilled with bentonite granules and hydrated in six-inch lifts to ground surface. To confirm that the probes were built to specifications, construction of each probe was continuously monitored by measuring the depth to the deposited materials within the borehole to verify that no bridging occurred. Following installation, the probe tubing was cut near the surface, labeled, and capped with a gas-tight valve. The soil vapor construction diagram is provided as part of the boring log of boring B13 in Appendix A.

#### **3.4.1 SOIL VAPOR SAMPLING**

On July 11, 2018, after subsurface conditions were allowed to equilibrate overnight, EFI Global directed Jones Environmental to sample the soil vapor probes. In total, three soil vapor samples (one sample per vapor probe and one duplicate sample) were collected.

##### **3.4.1.1 Purge and Sample Train**

The apparatus used to conduct purging and sampling was constructed by securing an on/off valve to the soil vapor sampling probe head and routing the vapor stream through a vacuum pump at a flow rate of approximately 200 milliliters per minute (ml/min).

##### **3.4.1.2 Probe Volume Calculations**

Prior to purging and sampling, the internal volume of each probe was calculated. Probe volume calculations accounted for the probe tubing, tip, sand pack.

##### **3.4.1.3 Shut-In Testing**

Upon securing the purge and sample train to each vapor probe, a shut-in test was conducted to check for leaks in the above-ground sampling system. The above-ground valves, lines and fittings downstream from the top of the probe were assembled, and the system was evacuated to establish a vacuum in the sampling train. The sample train was observed for approximately one minute to verify no observable reduction in

vacuum was observed. In the event a loss in vacuum was observed, the sample train was re-adjusted and the test repeated.

Upon verification of sample train integrity, efforts were made to minimize disturbance and alteration to the apparatus until completion of purging and vapor sample collection.

#### **3.4.1.4 Leak Testing**

Leakage during soil-gas sampling may dilute samples with ambient air and produce results that underestimate actual site concentrations or contaminate the sample with external contaminants. A leak test was conducted at every probe location during the collection of each soil vapor sample.

A mixture of n-pentane, n-hexane, and n-heptane was selected as the leak check compound. During purging and sampling at each location, a vial of the leak check compound was placed near locations where ambient air could enter the sampling system or where cross-contamination may occur immediately before sampling (i.e. the location of vapor probe surface completion and along the sampling train).

#### **3.4.1.5 Probe Purge and Sampling**

Upon verification of the shut-in test, each probe was purged for three probe volumes at a flow rate of approximately 200 ml/min. No vacuum within the sample train was observed during the process in any probe location.

Upon completion of the probe purge, soil vapor samples were collected in 1-liter, Tedlar® bags. Chain-of-custody documentation was maintained from sample collection through transportation to Jones Environmental's state-certified analytical laboratory in Santa Fe Springs, California. Upon completion of soil vapor sampling, the temporary soil vapor probes were removed, and the boreholes were sealed at the surface with concrete. Details regarding the soil vapor investigation, including sampling procedures, quality assurance/quality control (QA/QC) procedures (including leak testing), and analytical results, are provided in the certified analytical report in Appendix B.

### **3.5 INVESTIGATIVE-DERIVED WASTE MANAGEMENT**

Soil cuttings and a small amount of decontamination water generated during the drilling of soil borings were placed in a Department of Transportation (DOT)-approved 55-gallon drum and stored at the Site pending transport to an appropriate disposal facility. The drum was identified with a label including the name of waste generator, type of waste (soil or water), and accumulation date.

One composite sample was collected from the soil cuttings in the drum and analyzed for VOCs by EPA Method 8260B, total petroleum hydrocarbons (full-range carbon chain) by EPA Method 8015M and Title 22 metals by EPA Methods 6010B/7471A. The results are included in Appendix B.

The investigative derived waste was transported to the Crosby & Overton disposal facility in Long Beach, California on December 26, 2018, under applicable manifesting procedures. The waste manifest is included as Appendix C.

## **4.0 CHEMICAL ANALYSIS**

Select soil samples and all soil vapor samples were submitted for chemical analysis. Soil chemical analysis was conducted by Eurofins Calscience of Garden Grove, California. Soil vapor sampling and chemical analysis was conducted by Jones Environmental. Laboratory reports and chain-of-custody documentation are provided as Appendix B.

#### 4.1 SOIL ANALYTICAL SCHEDULE

Select soil samples were submitted for one or more of the following analytical methods:

- OCPs by EPA Method 8081A;
- PCBs by EPA Method 8082;
- Title 22 Metals by EPA Method 6010B;
- Lead by EPA Method 6010B;
- Arsenic by EPA Method 6020;
- Total Petroleum Hydrocarbons – carbon chain (TPHcc) analysis by EPA Method 8015M; and
- VOCs by EPA Method 8260B.

A summary of sample locations, sample IDs, depths, and chemical analysis is presented in Table 1.

#### 4.2 SOIL VAPOR ANALYTICAL SCHEDULE

All soil vapor samples were analyzed for Gasoline-Range Organics (GRO) by Gas Chromatograph/Mass Spectrometry Detection (GC/MS) and VOCs by EPA Method 8260B.

### 5.0 ANALYTICAL RESULTS

This section presents chemical analytical results of soil and soil vapor analysis.

#### 5.1 SOIL ANALYTICAL RESULTS

The section presents analytical results for soil chemical analysis. Select soil samples were analyzed for OCPs, PCBs, Title-22 metals, TPHcc and VOCs.

##### 5.1.1 OCPs IN SOIL

A summary of OCPs in soil is presented in Table 2. Chlordane, 4,4'-DDD, 4,4'-DDE, 4'-DDT, and dieldrin were detected in soil. Detected concentrations of OCPs were evaluated against Site Specific Action Levels (SSALs). SSALs for OCPs were sourced from the EPA's Regional Screening Level (RSL) Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.0; November 2018) residential-scenario data set.

Concentrations are summarized as follows:

- Chlordane – Detected in 24 soil samples analyzed, including duplicates. Concentrations ranged from 50 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) in sample B43C-0.5 to 710  $\mu\text{g}/\text{kg}$  in sample B61-0.5.  
The RSL for chlordane is 1,700  $\mu\text{g}/\text{kg}$ . None of the detected concentrations of chlordane exceeded this screening criterion.
- 4,4'-DDD – Detected in six (6) soil samples analyzed. Concentrations ranged from 5.1  $\mu\text{g}/\text{kg}$  in sample B62-0.5 to 15  $\mu\text{g}/\text{kg}$  in sample B61C-0.5.  
The RSL for 4,4'-DDD is 1,900  $\mu\text{g}/\text{kg}$ . None of the detected concentrations of 4,4'-DDD exceeded this screening criterion.
- 4,4'-DDE – Detected in 44 soil samples analyzed. Concentrations ranged from 4.9  $\mu\text{g}/\text{kg}$  in sample B62-0.5 to 560  $\mu\text{g}/\text{kg}$  in sample B61-0.5.

The RSL for 4,4'-DDE is 2,000 µg/kg. None of the detected concentrations of 4,4'-DDE exceeded this screening criterion.

- **4,4'-DDT** – Detected in 19 soil samples analyzed. Concentrations ranged from 5.3 µg/kg in sample B54-0.5 to 590 µg/kg in sample B61-0.5.

The RSL for 4,4'-DDT is 1,900 µg/kg. None of the detected concentrations of 4,4'-DDT exceeded this screening criterion.

- **Dieldrin** – Detected in 15 soil samples analyzed. Concentrations ranged from 6.6 µg/kg in sample B62-0.5 to 74 µg/kg in sample B5-0.5.

The RSL for dieldrin is 34 µg/kg. Detected concentrations of dieldrin in B5-0.5 and B5-1.5 (74 µg/kg and 59 µg/kg, respectively) exceeded this screening criterion. The concentrations in the 3-foot sample from boring B5 and the 0.5-foot samples from step-out borings B5A, B5B, and B5C did not exceed the RSL, which indicates that the elevated concentrations of dieldrin are localized in the location of boring B5 and limited to the upper 1.5 feet of soil. No other detected concentration of dieldrin exceeded the RSL. Based on the exceedances of dieldrin in soil above the RSL of 34 µg/kg, EFI Global recommends the completion of a Remedial Action Work Plan (RAW) for the removal of dieldrin impacted soils in the area of sampling location B5.

- No other OCPs were detected above laboratory detection limits in soil.

### 5.1.2 PCBs IN SOIL

A summary of PCBs in soil is presented in Table 3. PCBs were not detected above laboratory reporting limits in any of the samples analyzed.

### 5.1.3 TITLE 22 METALS IN SOIL

A summary of Title 22 Metals analytical results in soil is presented in Table 2. Concentrations of antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc, and mercury were detected in one or more soil samples analyzed.

Detected concentrations of lead and arsenic in soil were evaluated against screening levels set by LAUSD OEHS (80 mg/kg and 12 mg/kg for lead and arsenic, respectively). The screening levels for the remaining Title 22 metals were sourced from the EPA's RSL Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.0; November 2018) residential-scenario data set.

Other than arsenic, lead, chromium, and thallium, no detected concentrations exceeded screening levels.

#### 5.1.3.1 Arsenic

Detected in all soil samples analyzed. Concentrations ranged from 1.49 milligrams per kilogram (mg/kg) in sample B14-0.5 to 36.2 mg/kg in sample B11A-0.5.

The SSAL for arsenic is 12 mg/kg with outliers allowed if the maximum concentration is at or below 24 mg/kg and the 95% upper confidence limit (UCL) is at or below 12 mg/kg (*Scope of Services: PEA Equivalent* document dated April 23, 2018). A total of 23 arsenic concentrations exceeded the SSAL of 12 mg/kg and 5 concentrations exceeded the maximum allowable concentration of 24 mg/kg. The arsenic concentrations in soil samples B9-0.5 (28.4 mg/kg), B9-1.5 (25.5 mg/kg), B11A-0.5 (36.2 mg/kg), B37-0.5 (24.2 mg/kg), and B37C-0.5 (30.1 mg/kg) exceed the maximum allowable concentration of 24 mg/kg. Based on the exceedances of arsenic above maximum allowable concentration in soil samples collected from sampling locations B9, B11A, B37, and B37C, EFI Global recommends "housecleaning action" for the removal of arsenic impacted soils in these areas.

The detected concentrations of arsenic which did not exceed the maximum allowable concentration of 24 mg/kg provided the soil data necessary to calculate a 95% UCL. The 95% UCL was calculated using statistical software (ProUCL 5.0), developed by the USEPA, as a method to determine a reasonable estimate of the exposure point concentration on-site.

Analytical results for the 1.5-foot and 3-foot soil samples from borings B11 and B37 indicated arsenic concentrations that did not exceed the maximum allowable concentration of 24 mg/kg, which suggests that the elevated arsenic concentrations are limited to the upper 1.5 feet of soil in these locations. Additionally, the 3-foot soil sample from boring B9 had an arsenic concentration below 24 mg/kg, which suggests that the elevated arsenic concentrations are limited to the upper 3 feet in this location. Based on the exceedances of arsenic above the maximum allowable concentration of 24 mg/kg, EFI Global recommends “hotspot” removal of the arsenic-impacted soils in the areas of sampling locations B9, B11, and B37.

The remaining detected concentrations of arsenic which did not exceed the maximum allowable concentration of 24 mg/kg provided the soil data necessary to calculate a 95% UCL. To calculate the 95% UCL, the following detections were removed to model a limited hot-spot removal scenario:

- All arsenic data above 24 mg/kg: B9-0.5 (28.4 mg/kg), B9-1.5 (25.5 mg/kg), B11A-0.5 (36.2 mg/kg), B37-0.5 (24.2 mg/kg), and B37C-0.5 (30.1 mg/kg); and
- Arsenic data down to 2.5 ft bgs in location B11: B11-0.5 (21.1 mg/kg), B11-1.5 (15.2 mg/kg).

Depth (ft bgs)	Arsenic concentrations after hot-spot removal scenario					
	Number of Observations	Maximum (mg/kg)	Mean (mg/kg)	Standard Deviation	95 UCL (mg/kg)	95 UCL Method
0-0.5	118	21.4	7.934	3.492	8.481	95% Approximate Gamma
1-1.5	9	17	9.65	3.782	11.99	Student's-t
2.5-3	6	13.5	8.022	3.197	10.65	Student's-t

The statistical analysis indicates if a limited hot-spot removal at locations B9, B11, B11A, B37 and B37C is performed, the site-wide SSAL of 12 mg/kg with maximum allowable concentration of 24 mg/kg can be achieved.

The statistical results from ProUCL 5.0 are presented in Appendix D.

### 5.1.3.2 Lead

Detected in all soil samples analyzed. Concentrations ranged from 1.67 mg/kg in sample B52-3 to 228 mg/kg in sample B37C-0.5.

The SSAL for lead is 80 mg/kg. The lead concentrations in soil samples B37-1.5 (156 mg/kg), B37C-0.5 (228 mg/kg), and B61-0.5 (87.6 mg/kg) exceed the SSAL for lead of 80 mg/kg. The 3-foot samples from borings B37 and B61 had significantly lower concentrations of lead, which suggests that the elevated lead concentrations are limited to the upper 3 feet of soil. No other concentration of lead in soil exceeded the SSAL. Based on the exceedances of lead in soil above the SSAL of 80 mg/kg, EFI Global recommends the completion of a RAW for the removal of lead impacted soils in the areas of sampling locations B37 and B61.

A total of six soil samples in which the Total Threshold Limit Concentration (TTLC) concentration for lead exceeded 50 mg/kg were submitted for leachable lead analysis. Results of the leachable lead analysis are discussed in Section 6.0.

#### **5.1.3.3 Chromium**

Detected in all soil samples analyzed. Concentrations ranged from 6.31 mg/kg in sample B19-0.5 to 45.7 mg/kg in sample B43C-0.5. There is no RSL established for total chromium. A study which developed a comprehensive, scientific database on background concentrations of trace and major elements in California (*Background Concentrations of Trace and Major Elements in California Soils*, Bradford, et al., 1996) determined that background concentrations of chromium in California ranged from 23 mg/kg to 1,579 mg/kg. The detected concentrations of chromium at the Site are at the lower end of this background range and appear to be of a single population with no significant outliers. Therefore, these concentrations are considered to be background and not of concern.

#### **5.1.3.4 Thallium**

Detected in 35 soil samples analyzed. Concentrations ranged from 0.787 mg/kg in sample B43-1.5 to 2.31 mg/kg in sample B58-0.5. The SSAL for thallium is 0.78 mg/kg. All detected concentrations of thallium exceeded this screening criterion. A study conducted at 14 Air Force installations in California (*Naturally Occurring Concentrations of Inorganic Chemicals in Groundwater and Soil at California Air Force Installations*, Hunter, et al., March 10, 2005) determined that the 99th percentile of thallium concentrations, considered a good representation of background concentrations is 175 mg/kg. No detections of thallium exceeded this screening criterion. Additionally, thallium was detected at a depth of 3 feet bgs in borings B9, B11, and B37. The shallow soil samples from these locations had thallium concentrations which did not exceed laboratory detection limits, which indicates that the thallium concentrations at 3 feet bgs do not originate from the surface. Furthermore, concentrations of thallium were detected throughout the Site and appear to be of one single population with no significant outliers. Based on multiple lines of evidence, the concentrations of thallium detected at the Site do not appear to originate from a release and therefore are considered background and not of significant concern.

#### **5.1.4 TPH AND VOCs IN SOIL**

Petroleum hydrocarbons can be characterized by the length of their constituent carbon chains. Carbon C4-C12, C13-C22, and C23-C36 are commonly interpreted as gasoline (TPH-g), diesel (TPH-d), and oil (TPH-o) range hydrocarbons, respectively. A full carbon chain analysis (TPHcc) includes all the petroleum hydrocarbons C4 through C44.

Analyses of soil samples from one boring advanced adjacent to the clarifier (B13) for TPHcc indicates that TPH-o was detected at a concentration of 19.1 mg/kg in sample B95-0.5. This concentration did not exceed the Maximum Soil Screening Level for TPH-o of 1,000 mg/kg for sites with a groundwater depth of less than 20 feet below the sampling depth, as published in the Los Angeles Regional Water Quality Control Board's *Interim Site Assessment and Cleanup Guidebook* (May 1996). Therefore, this concentration is not expected to pose a significant threat to groundwater. TPH-g and TPH-d were not detected above laboratory reporting limits in the soil samples analyzed for TPHcc.

VOCs were not detected above laboratory reporting limits in any of the soil samples analyzed. Therefore, such compounds are not expected to represent a significant concern at the Site.

### **5.2 SOIL VAPOR ANALYTICAL RESULTS**

A summary of soil vapor analytical results in soil vapor are presented in Table 6.

### 5.2.1 VOCs IN SOIL VAPOR

Tetrachloroethylene (PCE), toluene, 1,2,4-trimethylbenzene (1,2,4-TMB), and m,p-xylene were detected in soil vapor. Results are summarized as follows:

- PCE, a chlorinated solvent typically utilized in dry cleaning operations, was detected in all three soil vapor samples at concentrations of 0.010 micrograms per liter (µg/l), 0.016 µg/l, and 0.011 µg/l in samples B13-SV-5', B13-SV-5' REP, and B13-SV-10', respectively.
- Toluene, a fuel-related compound, was detected in soil vapor sample B13-SV-5' at a concentration of 0.021 µg/l.
- 1,2,4-TMB, a fuel-related compound, was detected in soil vapor sample B13-SV-5' REP at a concentration of 0.010 µg/l.
- M,p-Xylene, a fuel-related compound, was detected in soil vapor sample B13-SV-5' at a concentration of 0.0510 µg/l.
- 4-isopropyltoluene, a naturally occurring aromatic organic compound, was detected in soil vapor sample B13-SV-5' at a concentration of 0.017 µg/l.

A preliminary method to evaluate if detected VOCs represent the potential for infiltration into building structures at unacceptable concentrations has been developed by the California Department of Toxic Substances Control (DTSC) in the *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)* document (DTSC, October 2011). As soil vapors migrate vertically from the subsurface to the sub-slab and potentially into indoor air, subsurface structures including the slab attenuate concentrations of VOCs from the subsurface prior to their potential intrusion into the building. As a preliminary screening evaluation tool, the *Vapor Intrusion Guidance* provides default attenuation factors for soil vapor data. These attenuation factors can be used in conjunction with screening levels that have been established for indoor air. The *Vapor Intrusion Guidance* provides the following formula to estimate indoor air concentrations based on soil vapor data:

$$\alpha = (C_{\text{indoor}} / C_{\text{soil vapor}})$$

where:

$\alpha$	=	Attenuation Factor
$C_{\text{indoor}}$	=	Indoor Air Concentration
$C_{\text{soil vapor}}$	=	Soil Vapor Concentration

There are two methods whereby this formula can be used to evaluate site-specific analytical data, as follows:

- Method 1: Soil vapor sample analytical results can be multiplied by the attenuation factor to calculate the estimated concentrations of VOCs that would be anticipated in indoor air. These estimated concentrations can then be compared directly to the established screening levels for indoor air.
- Method 2: The established screening levels for indoor can be divided by the attenuation factor to convert them into screening levels for soil vapor. The soil vapor analytical results can then be compared to these calculated screening levels, which represent the maximum concentrations of VOCs that may be present in soil vapor without resulting in an unacceptable risk to building occupants.

Indoor air screening levels were sourced from the EPA's RSLs as directed by LAUSD OEHS. The most recent RSLs publication is dated November 2018.

Preliminary soil vapor screening levels were calculated for each VOC detected in soil vapor using Method 2 detailed above.

For the case of an existing residential/sensitive use building where soil vapor data are collected from near the contaminant source, an  $\alpha$  of 0.002 has been established. The calculated screening levels are summarized in Table 6.

As shown in Table 6, none of the detected VOC concentrations exceeded their respective site-specific screening levels. Therefore, the detected concentrations of VOCs are considered *de minimis* and are not expected to pose a significant risk to site occupants.

### **5.2.2 GRO IN SOIL VAPOR**

Gasoline-range organics (GRO) was detected in soil vapor sample B13-SV-5' at a concentration of 8.41 µg/l. There is no established RSL for GRO. However, the concentrations were detected in an outdoor area and thus, there is no potential for vapor intrusion. Furthermore, GRO was not detected in the 10-foot soil vapor sample. As such, the detected concentrations of GRO are considered *de minimis* and are not expected to pose a significant threat to site occupants or the environment.

### **5.2.3 LEAK TESTING RESULTS**

N-pentane, n-hexane, and n-heptane, the compounds which composed the leak check compound mixture utilized during soil vapor purging and sampling, were not detected in any samples above the reporting limit of 0.400 µg/l.

Non-detections of the leak check compound verify the integrity of the soil vapor purging and sampling protocol, and provide support that soil vapor samples collected and analyzed are representative of subsurface conditions.

## **6.0 PROPOSED REMEDIAL ACTION WORK PLAN**

Based on the exceedances of dieldrin, arsenic, and lead above their respective SSALs, EFI Global recommends the completion of a RAW for the removal of impacted soils in the areas of the sampling locations listed in the table below:

Proposed Excavation Locations	Borings with Exceedances	Driving Chemical	Initial Proposed Excavation Area (ft <sup>2</sup> )	Initial Proposed Excavation Depth (ft bgs)	Initial Proposed Excavation Volume (BCY)
B5	B5	Dieldrin	25	3	3
B9	B9	Arsenic	25	3	3
B11	B11A	Arsenic	25	3	3
B37	B37, B37C	Arsenic, Lead	50	3	6
B61	B61	Lead	25	2	2
<b>Total Volume (BCY)</b>					17
<b>Total Volume (LCY)</b>					26

Notes:

ft<sup>2</sup> = square feet

ft bgs = feet below ground surface

BCY = bank cubic yards

LCY = loose cubic yards

The proposed excavations to be included in the RAW are illustrated in Figures 3 through 6. The lateral boundaries of each proposed excavation are a distance of approximately five (5) feet in all cardinal directions (N, S, E, and W) from the sampling location in which the exceedance was detected, and the depth of the excavation is approximately 1.5 feet below the depth of the detected exceedance. The total volume of the proposed excavated soil is approximately 17 bank cubic yards (BCY) or 26 loose cubic yards (LCY). The extents of the impacted soil excavations are predicted minimums based on the existing data, with actual extents likely to vary based on field observations and confirmation sampling.

## 7.0 SOLID WASTE CHARACTERIZATION

Detected concentrations of OCPs and Title 22 metals in soil samples (TTLCs) were compared to hazardous waste threshold concentrations as outlined in Title 22 of the California Code of Regulations (22 CCR) and Title 40 of the Code of Federal Regulations (40 CFR) for soil profiling purposes in preparation for excavation during redevelopment activities.

None of the detected metals concentrations exceeded TTLC concentrations which would trigger California hazardous waste thresholds. A total of six soil samples in which the TTLC concentration for lead exceeded 50 mg/kg were submitted for leachable lead analysis by the California Department of Health Services (DHS) Wet Extraction Test (WET) method. The leachable lead concentrations ranged between 0.905 milligrams per liter (mg/l) in sample B37-0.5 to 4.74 mg/l. None of the concentrations exceeded the California hazardous waste threshold for leachable lead of 5.0 mg/l.

Petroleum hydrocarbon impacts in soil do not drive hazardous waste criteria.

Data generated during this investigation indicates that the soil assessed during this investigation can likely be disposed of as non-hazardous regulated waste if exported from the Site; however a final waste characterization may be necessary at the time of soil disposal to verify the waste profile.

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

EFI Global has performed a PEA-E for the property located at 5461 Winnetka Avenue in Woodland Hills, California. EFI Global conducted this PEA-E to assess the soil in select portions of the Site for OCP, Title 22 metals, PCB, and VOC impacts from the former site operations, and to evaluate the Site for a potential vapor intrusion condition (pVIC) from potential releases from the on-site three-stage clarifier

Dieldrin was detected in 15 soil samples analyzed at concentrations ranging between 6.6 µg/kg in sample B62-0.5 to 74 µg/kg in sample B5-0.5. The RSL for dieldrin is 34 µg/kg. Detected concentrations of dieldrin in B5-0.5 and B5-1.5 (74 µg/kg and 59 µg/kg, respectively) exceeded this screening criterion. The concentrations in the three-foot sample from boring B5 and the 0.5-foot samples from step-out borings B5A, B5B, and B5C did not exceed the RSL, which indicates that the elevated concentrations of dieldrin are localized in the location of boring B5 and limited to the upper 1.5 feet of soil. No other detected concentration of dieldrin, or any other OCPs, exceeded the RSL.

Arsenic was detected in all soil samples analyzed at concentrations ranging between 1.49 milligrams per kilogram (mg/kg) in sample B14-0.5 to 36.2 mg/kg in sample B11A-0.5. A total of 23 arsenic detections exceeded the site-wide SSAL of 12 mg/kg and five detections exceeded the maximum allowable concentration of 24 mg/kg. When detections above 24 mg/kg were removed from the data set (plus data to 2.5 ft bgs in location B11), each of the three soil horizons 0-0.5 ft bgs, 1-1.5 ft bgs and 2.5-3 ft bgs meet the site-wide SSAL of 12 mg/kg.

Lead was detected in all samples analyzed at concentrations ranging from 1.67 mg/kg in sample B4-0.5 to 228 mg/kg in sample B37C-0.5. The lead concentrations in soil samples B37-1.5 (156 mg/kg), B37C-0.5 (228 mg/kg), and B61-0.5 (87.6 mg/kg) exceed the SSAL for lead of 80 mg/kg.

No PCBs, petroleum hydrocarbons, or VOCs were detected in any soil samples analyzed.

PCE, toluene, 1,2,4-TMB, and m,p-xylene were detected in soil vapor. None of the detected VOC concentrations exceeded their respective site-specific screening levels. Therefore, the detected concentrations of VOCs are considered *de minimis* and are not expected to pose a significant threat to site occupants.

GRO was detected in soil vapor sample B13-SV-5' at a concentration of 8.41 µg/l. There is no established RSL for GRO. However, the concentrations were detected in an outdoor area and thus, there is no potential for vapor intrusion. Furthermore, GRO was not detected in the 10-foot soil vapor sample. As such, the detected concentrations of GRO are considered *de minimis* and are not expected to pose a significant threat to site occupants or the environment.

Data generated during this investigation indicates that the soil assessed during this investigation can likely be disposed of as non-hazardous regulated waste if exported from the Site; however a final waste characterization may be necessary at the time of soil disposal to verify the waste profile.

EFI Global recommends the completion of a RAW for the removal of impacted soil at the following locations:

- B5 to 3 ft bgs due to elevated dieldrin.
- B9 to 3 ft bgs due to elevated arsenic.
- B11 and B11A to 3 ft bgs due to elevated arsenic.
- B37 and B37C to 3 ft bgs due to elevated arsenic and lead.
- B61 to 2 feet bgs due to elevated lead.

Following removal of impacted soil, EFI Global recommends confirmation soil sampling be included in the RAW to confirm that the elevated concentrations have been adequately removed.

## **9.0 SIGNIFICANT ASSUMPTIONS, LIMITATIONS AND RELIANCE**

This report has been prepared in accordance with generally-accepted environmental methodologies and industry standards as they relate to the Data Quality Objectives of the assessment. No warranties, expressed or implied, are made as to the professional services provided under the terms of EFI Global's contract(s) or specified in this report. This assessment has been conducted, in part, based on information, data or reports provided or prepared by others. EFI Global reviews and interprets these documents in good faith and relies that the provided data and documents are true and accurate.

Environmental conditions at the site were assessed or interpreted within the context of EFI Global's contract(s) and existing environmental regulations of applicable jurisdiction(s) as of the date of the report. Regulatory requirements, regulations and guidance are subject to change subsequent to the date of the report. Unless otherwise stated in the report, evaluating compliance of past, present or future owners with applicable local, provincial and federal government laws and regulations was not included within the scope of the assessment.

The environmental assessment is limited by the availability of information at the time of the assessment. The conclusions and recommendations regarding environmental conditions presented in this report are based on a scope of work authorized by the Client. It is possible that unreported conditions impairing the environmental status of the site may have occurred which could not be identified. EFI Global's opinions cannot be extended to portions of the site that were unavailable for direct access and observation reasonably beyond the control of EFI Global or outside of the scope of the assessment. Environmental assessment activities, particularly the sampling of soil, vapor (air), groundwater and structure materials, represent those conditions which are present at the time of sampling within the immediate vicinity of the sample(s) collected. Although sampling plans are developed in an attempt to provide what is interpreted as sufficient coverage within the assessment area to achieve the investigative objectives, no extent of sampling can guarantee all environmental conditions, potential chemicals of concern (man-made or naturally occurring) and concentrations at which they occur have been identified and quantified absolutely. The assessment performed and outlined in this report was based, in part, upon visual observations of the site and attendant structures. It should be noted that compounds, materials or chemicals of potential concern other than those described could be present in the site environment, and the possibility remains that unexpected environmental conditions may be encountered at the site in locations not specifically investigated.

All components of this report, including but not limited to text, signatures, certifications, figures, tables, attachments, appendices, supporting documents and addenda are integral to the reporting of the assessment. This report may not be reproduced, except in full, without written approval of EFI Global.

This report has been prepared for the sole use of LAUSD OEHS. The contents should not be relied upon by any other parties without the express written consent of LAUSD OEHS and EFI Global.

## 10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This assessment has been conducted with the standards and level of care and skill exercised in such types of investigations, by qualified geologists, engineers, environmental scientists or environmental professionals, in conformance with generally-accepted industry standards and practices.

--DRAFT--

---

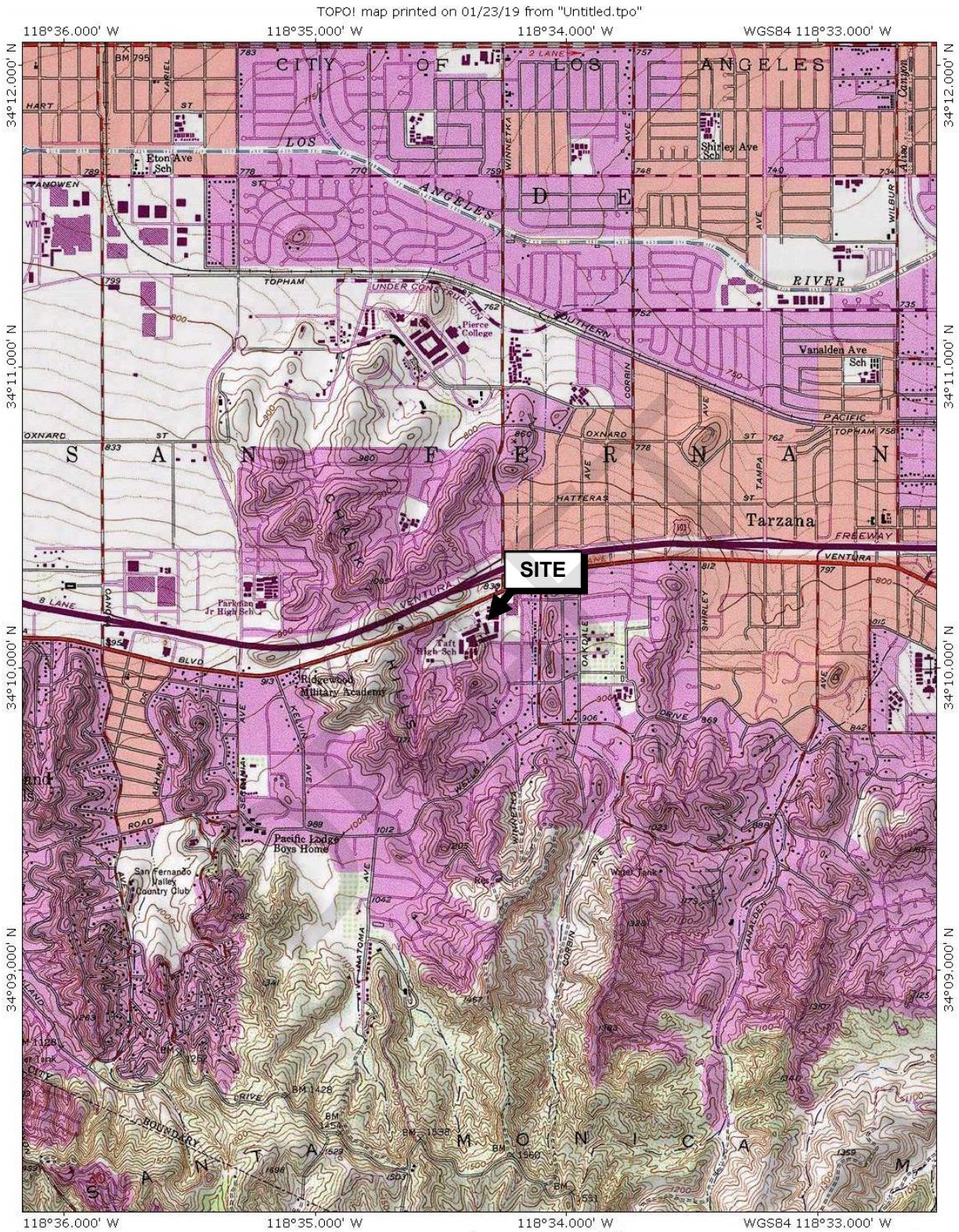
Desi Salgado  
Project Manager

--DRAFT--

---

Shayan Simantob  
Professional Geologist No. 9296  
Principal

**FIGURES**



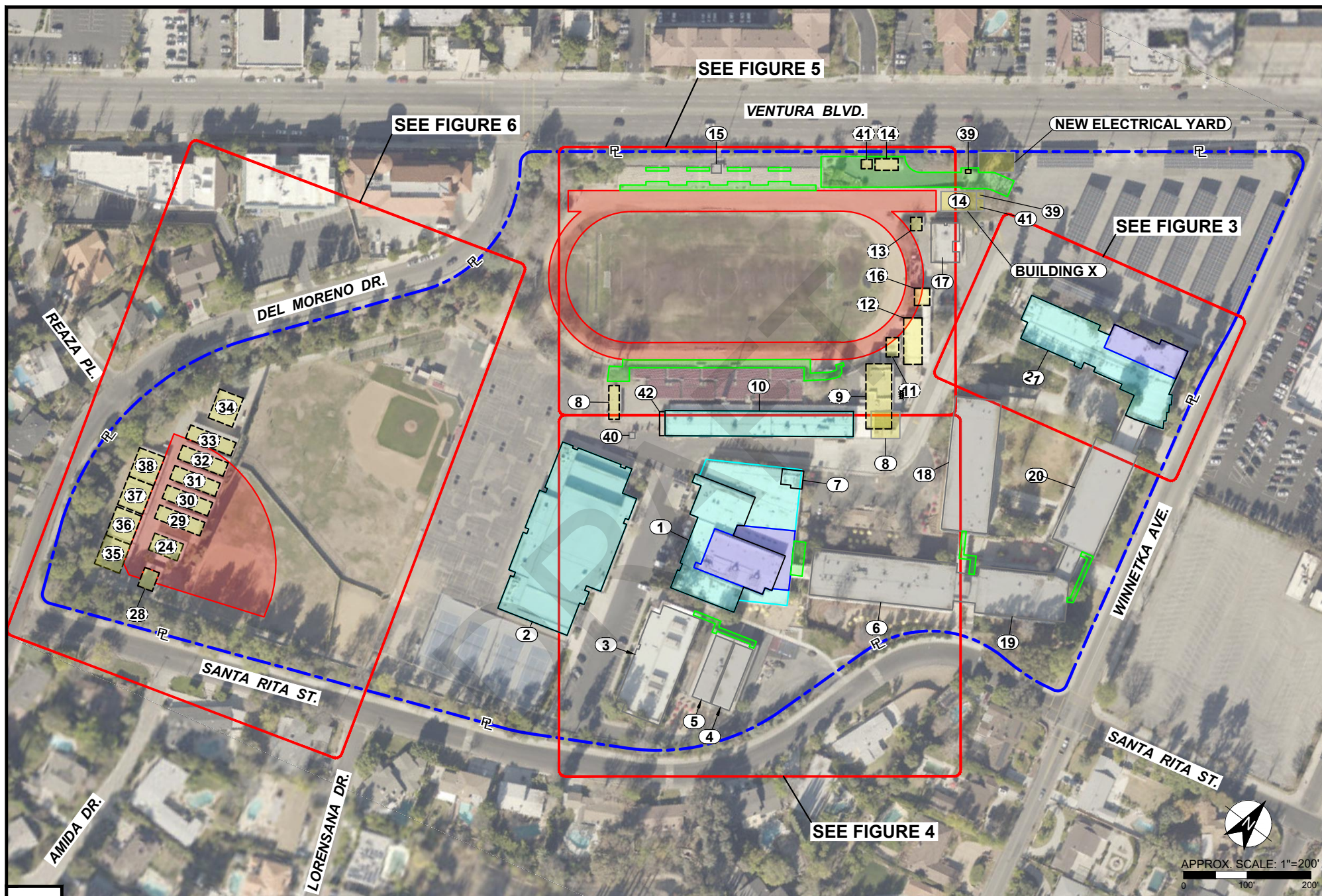
**Figure 1**  
**Site Location Map**

William Howard Taft Charter High School  
5461 Winnetka Avenue  
Woodland Hills, California 91364

Source:  
USGS Canoga, CA 7.5 Minute  
Topographic Map (1967)

Project Number: 9836003557





-P- PROPERTY LINE  
 (#) CAFM BUILDING NUMBER  
 (#) CAFM BUILDING NUMBER (DEMO)

NEW BUILDING/ STRUCTURE  
 FULL/ MAJOR MODERNIZATION  
 LIGHT MODERNIZATION  
 MINOR SCOPE  
 NEW TRACK & FIELD

DEMOLITION  
 BARRIER REMOVAL  
 As ARSENIC IN mg/kg  
 Pb LEAD IN mg/kg  
 mg/kg MILLIGRAM PER KILOGRAM  
 \* ARSENIC ANALYZED BY EPA 6010B

SOIL SAMPLING LOCATION  
 STEP-OUT SAMPLING LOCATION  
 SOIL VAPOR SAMPLING LOCATION  
 CONCENTRATIONS HIGHLIGHTED IN YELLOW EXCEED SITE SPECIFIC ACTION LEVELS  
 3-STAGE CLARIFIER

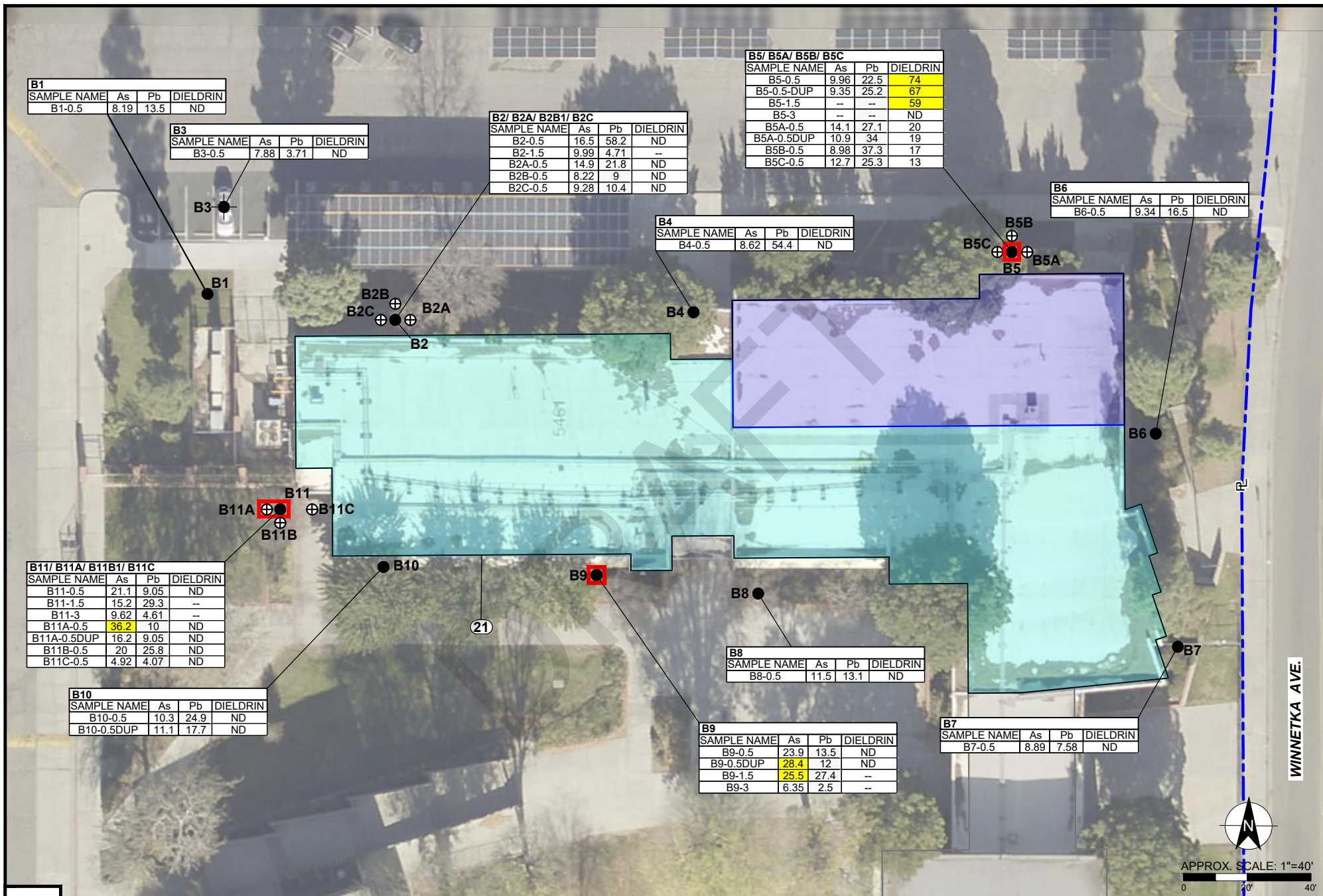
## SITE PLAN

5461 WINNETKA AVE.  
WOODLAND HILLS, CA 91364



PN:9836003557  
 DT: 10/28/2019  
 DB:JE CB:DS

FIGURE  
**2**



**PROPERTY LINE**

**CAFMBUILDING NUMBER**

**CAFMBUILDING NUMBER (DEMO)**

**PROPOSED EXCAVATION AREA**

**NEW BUILDING/ STRUCTURE**

**FULL/ MAJOR MODERNIZATION**

**LIGHT MODERNIZATION**

**MINOR SCOPE**

**NEW TRACK & FIELD**

**DEMOLITION**

**BARRIER REMOVAL**

**As ARSENIC IN mg/kg**

**Pb LEAD IN mg/kg**

**mg/kg MILLIGRAM PER KILOGRAM**

**\* ARSENIC ANALYZED BY EPA 6010B**

**SOIL SAMPLING LOCATION**

**STEP-OUT SAMPLING LOCATION**

**SOIL VAPOR SAMPLING LOCATION**

**CONCENTRATIONS HIGHLIGHTED IN YELLOW EXCEED SITE SPECIFIC ACTION LEVELS**

**3-STAGE CLARIFIER**

**SITE PLAN WITH ARSENIC, LEAD & DIETHYLTIN CONCENTRATIONS**

5461 WINNETKA AVE.  
WOODLAND HILLS, CA 91364

**efi global**

PN:9836003557

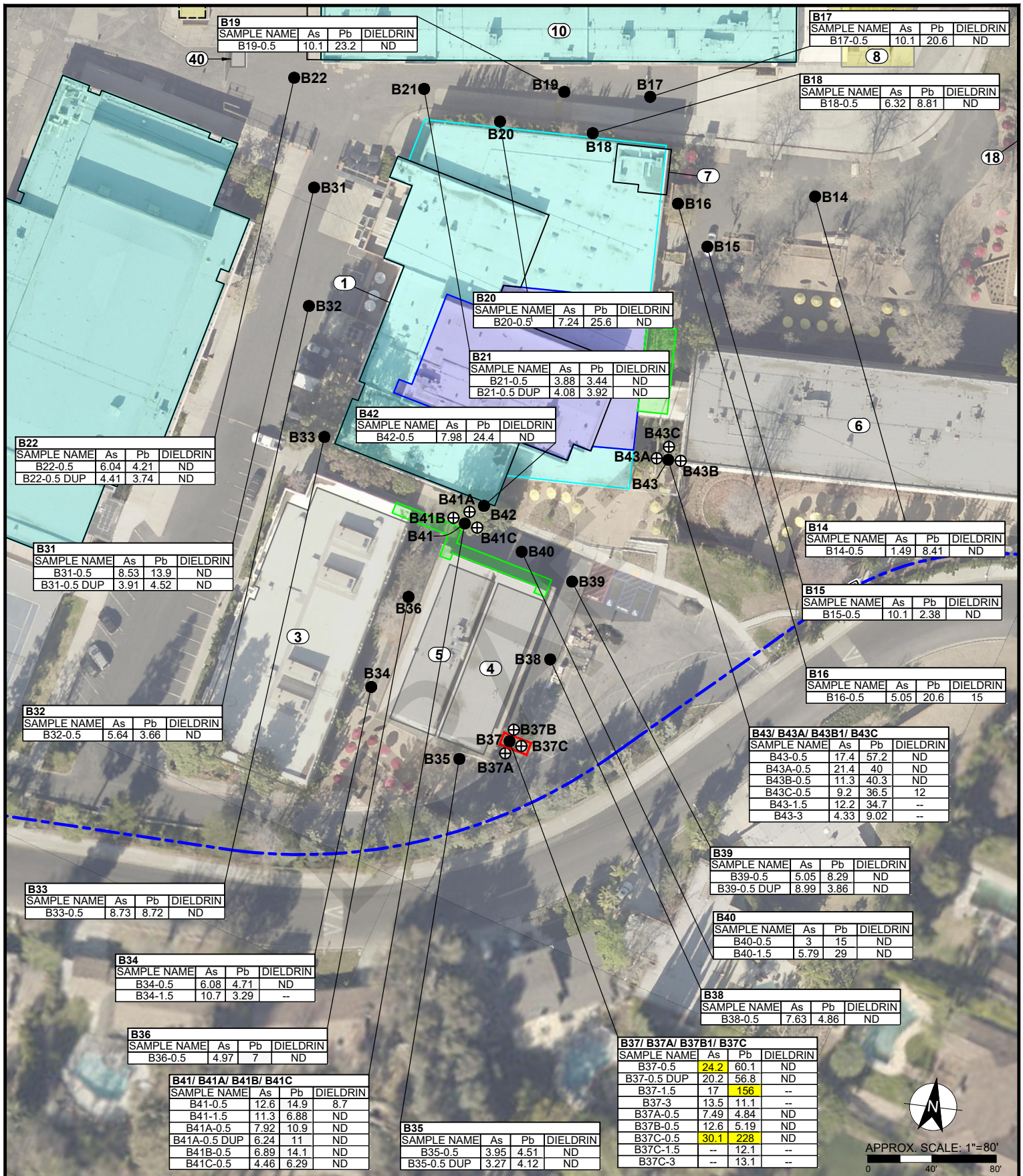
DT: 11/1/2019

DB:JE CB:DS

**FIGURE 3**

AERIAL BASEMAP SOURCE: ESRI

K:\AE 2018\Projects 2018\9836003557\_045.00349\_5461 Winnetka Ave Woodland Hills CA 91364\05 9836003557\_Reports\2019-03 PEA-E Rpt\02 CAD\9836003557\_Figures



**LEGEND**

- PROPERTY LINE
- # CAFM BUILDING NUMBER
- # CAFM BUILDING NUMBER (DEMO)
- NEW BUILDING/ STRUCTURE
- MINOR SCOPE
- LIGHT MODERNIZATION
- NEW TRACK & FIELD
- DEMOLITION
- BARRIER REMOVAL
- FULL/ MAJOR MODERNIZATION
- 30.1 CONCENTRATIONS HIGHLIGHTED IN YELLOW EXCEED SITE SPECIFIC ACTION LEVELS

- SOIL SAMPLING LOCATION
- ⊕ STEP-OUT SAMPLING LOCATION
- ⊙ SOIL VAPOR SAMPLING LOCATION
- As ARSENIC IN mg/kg
- Pb LEAD IN mg/kg
- mg/kg MILLIGRAM PER KILOGRAM
- \* ARSENIC ANALYZED BY EPA 6010B

**SITE PLAN WITH ARSENIC, LEAD & DIELDRIN CONCENTRATIONS**

5461 WINNETKA AVE.  
WOODLAND HILLS, CA 91364

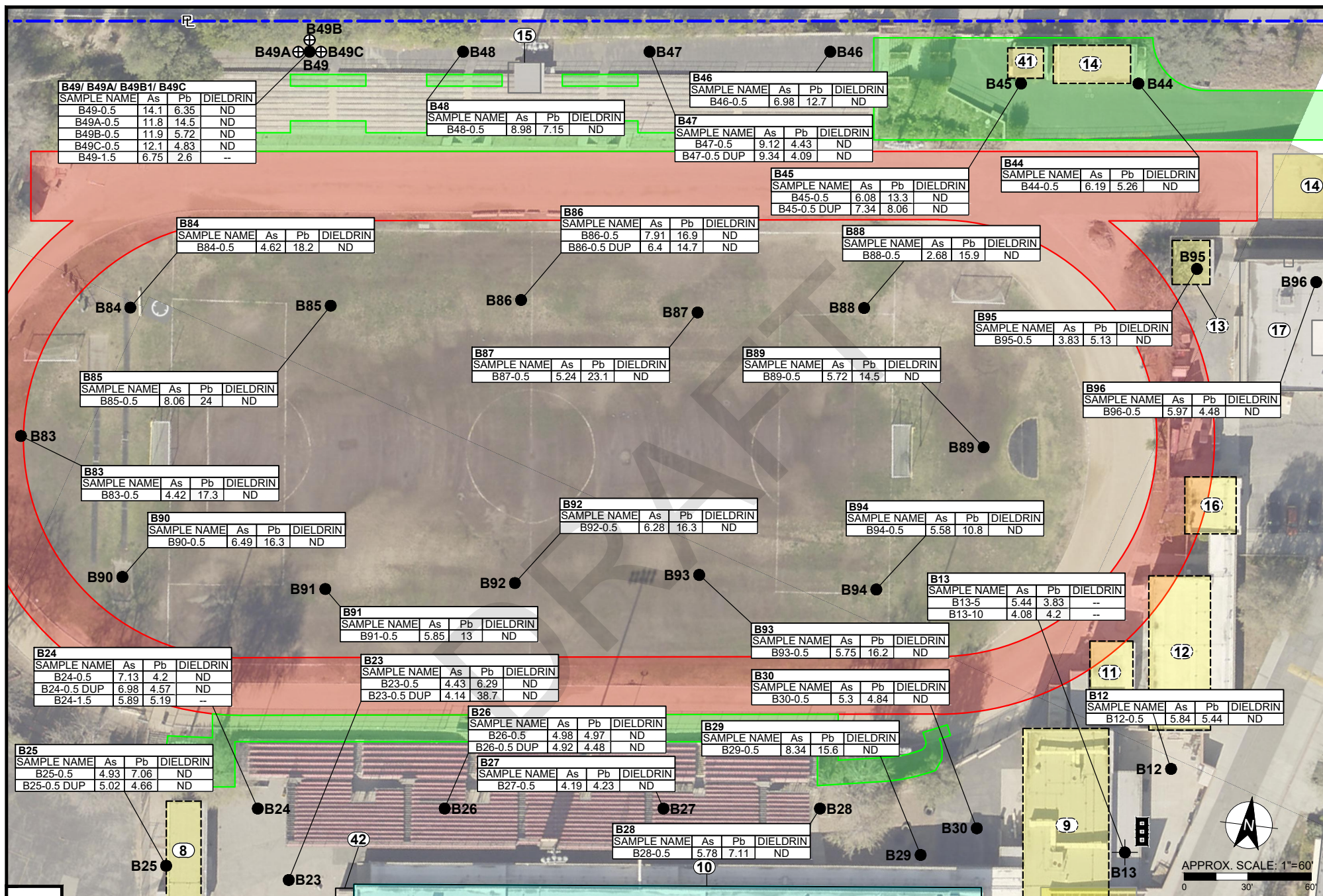
PN: 9836003557

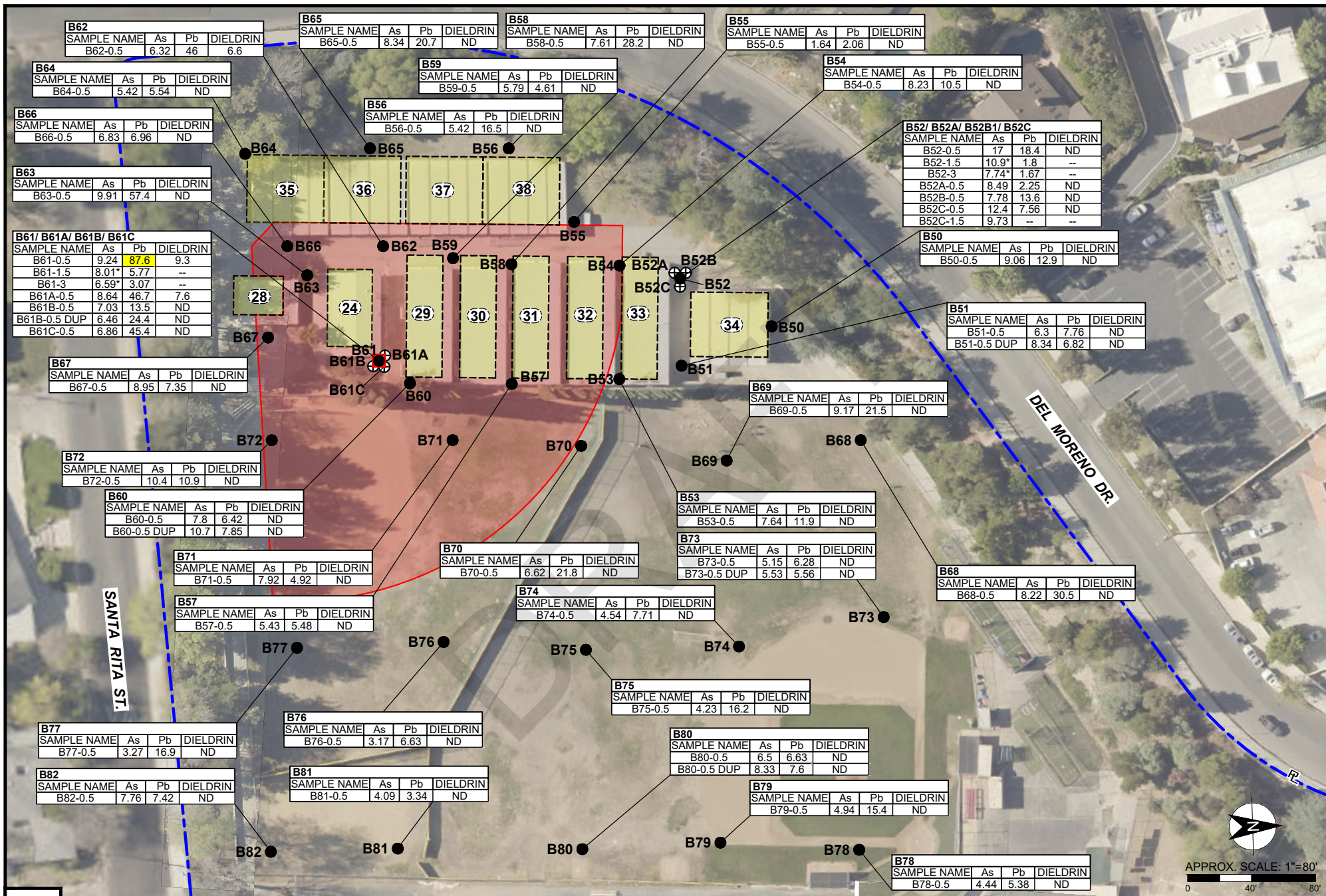
DT: 11/1/2019

DB: JE CB: DS

FIGURE

4





**LEGEND**

- PROPERTY LINE
- # CAFM BUILDING NUMBER
- # CAFM BUILDING NUMBER (DEMO)
- PROPOSED EXCAVATION AREA
- NEW BUILDING/ STRUCTURE
- FULL/ MAJOR MODERNIZATION
- LIGHT MODERNIZATION
- MINOR SCOPE
- NEW TRACK & FIELD
- DEMOLITION
- BARRIER REMOVAL
- As ARSENIC IN mg/kg
- Pb LEAD IN mg/kg
- mg/kg MILLIGRAM PER KILOGRAM
- \* ARSENIC ANALYZED BY EPA 6010B
- SOIL SAMPLING LOCATION
- ⊕ STEP-OUT SAMPLING LOCATION
- ⊙ SOIL VAPOR SAMPLING LOCATION
- 36.2 CONCENTRATIONS HIGHLIGHTED IN YELLOW EXCEED SITE SPECIFIC ACTION LEVELS
- 3 3-STAGE CLARIFIER

**TABLES**

**B62**

SAMPLE NAME	As	Pb	DIELDRIN
B62-0.5	6.32	46	6.6

**B64**

SAMPLE NAME	As	Pb	DIELDRIN
B64-0.5	5.42	5.54	ND

**B66**

SAMPLE NAME	As	Pb	DIELDRIN
B66-0.5	6.83	6.96	ND

**B63**

SAMPLE NAME	As	Pb	DIELDRIN
B63-0.5	9.91	57.4	ND

**B61/ B61A/ B61B/ B61C**

SAMPLE NAME	As	Pb	DIELDRIN
B61-0.5	9.24	87.6	9.3
B61-1.5	8.01*	5.77	--
B61-3	6.59*	3.07	--
B61A-0.5	8.64	46.7	7.6
B61B-0.5	7.03	13.5	ND
B61B-0.5 DUP	6.46	24.4	ND
B61C-0.5	6.86	45.4	ND

**B67**

SAMPLE NAME	As	Pb	DIELDRIN
B67-0.5	8.95	7.35	ND

**B72**

SAMPLE NAME	As	Pb	DIELDRIN
B72-0.5	10.4	10.9	ND

**B60**

SAMPLE NAME	As	Pb	DIELDRIN
B60-0.5	7.8	6.42	ND
B60-0.5 DUP	10.7	7.85	ND

**B71**

SAMPLE NAME	As	Pb	DIELDRIN
B71-0.5	7.92	4.92	ND

**B57**

SAMPLE NAME	As	Pb	DIELDRIN
B57-0.5	5.43	5.48	ND

**B76**

SAMPLE NAME	As	Pb	DIELDRIN
B76-0.5	3.17	6.63	ND

**B81**

SAMPLE NAME	As	Pb	DIELDRIN
B81-0.5	4.09	3.34	ND

**B82**

SAMPLE NAME	As	Pb	DIELDRIN
B82-0.5	7.76	7.42	ND

**B65**

SAMPLE NAME	As	Pb	DIELDRIN
B65-0.5	8.34	20.7	ND

**B59**

SAMPLE NAME	As	Pb	DIELDRIN
B59-0.5	5.79	4.61	ND

**B56**

SAMPLE NAME	As	Pb	DIELDRIN
B56-0.5	5.42	16.5	ND

**B58**

SAMPLE NAME	As	Pb	DIELDRIN
B58-0.5	7.61	28.2	ND

**B55**

SAMPLE NAME	As	Pb	DIELDRIN
B55-0.5	1.64	2.06	ND

**B54**

SAMPLE NAME	As	Pb	DIELDRIN
B54-0.5	8.23	10.5	ND

**B52/ B52A/ B52B1/ B52C**

SAMPLE NAME	As	Pb	DIELDRIN
B52-0.5	17	18.4	ND
B52-1.5	10.9*	1.8	--
B52-3	7.74*	1.67	--
B52A-0.5	8.49	2.25	ND
B52B-0.5	7.78	13.6	ND
B52C-0.5	12.4	7.56	ND
B52C-1.5	9.73	--	--

**B50**

SAMPLE NAME	As	Pb	DIELDRIN
B50-0.5	9.06	12.9	ND

**B51**

SAMPLE NAME	As	Pb	DIELDRIN
B51-0.5	6.3	7.76	ND
B51-0.5 DUP	8.34	6.82	ND

**B69**

SAMPLE NAME	As	Pb	DIELDRIN
B69-0.5	9.17	21.5	ND

**B53**

SAMPLE NAME	As	Pb	DIELDRIN
B53-0.5	7.64	11.9	ND

**B73**

SAMPLE NAME	As	Pb	DIELDRIN
B73-0.5	5.15	6.28	ND
B73-0.5 DUP	5.53	5.56	ND

**B68**

SAMPLE NAME	As	Pb	DIELDRIN
B68-0.5	8.22	30.5	ND

**B74**

SAMPLE NAME	As	Pb	DIELDRIN
B74-0.5	4.54	7.71	ND

**B75**

SAMPLE NAME	As	Pb	DIELDRIN
B75-0.5	4.23	16.2	ND

**B80**

SAMPLE NAME	As	Pb	DIELDRIN
B80-0.5	6.5	6.63	ND
B80-0.5 DUP	8.33	7.6	ND

**B79**

SAMPLE NAME	As	Pb	DIELDRIN
B79-0.5	4.94	15.4	ND

**B78**

SAMPLE NAME	As	Pb	DIELDRIN
B78-0.5	4.44	5.38	ND

**SITE PLAN WITH ARSENIC, LEAD & DIELDRIN CONCENTRATIONS**

5461 WINNETKA AVE.  
WOODLAND HILLS, CA 91364

PN: 9836003557  
DT: 11/1/2019  
DB: JE    CB: DS

**FIGURE 6**

**TABLES**

**Table 1: Analytical Summary Table**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Investigative Area	Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							PCBs (8082)
					TPH-cc (8015M)	VOCs (8260B)	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Lead		
										Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
Building 21 - Administrative Building	B1	B1-0.5	0.5	7/10/2018			X	X	X			
		B1-1.5	1.5	7/10/2018								
		B1-3	3	7/10/2018								
	B2	B2-0.5	0.5	7/10/2018			X	X	X		X	
		B2-1.5	1.5	7/10/2018				X	X			
		B2-3	3	7/10/2018								
	B2A*	B2A-0.5	0.5	8/9/2018			X	X	X			
		B2A-1.5	1.5	8/9/2018								
		B2A-3	3	8/9/2018								
	B2B*	B2B-0.5	0.5	8/9/2018			X	X	X			
		B2B-1.5	1.5	8/9/2018								
		B2B-3	3	8/9/2018								
	B2C*	B2C-0.5	0.5	8/9/2018			X	X	X			
		B2C-1.5	1.5	8/9/2018								
		B2C-3	3	8/9/2018								
	B3	B3-0.5	0.5	7/10/2018			X	X	X			
		B3-1.5	1.5	7/10/2018								
		B3-3	3	7/10/2018								
	B4	B4-0.5	0.5	7/10/2018			X	X	X		X	
		B4-1.5	1.5	7/10/2018								
		B4-3	3	7/10/2018								
	B5	B5-0.5	0.5	7/10/2018			X	X	X			X
		B5-0.5-DUP	0.5	7/10/2018			X	X	X			
		B5-1.5	1.5	7/10/2018			X					
		B5-3	3	7/10/2018			X					
	B5A*	B5A-0.5	0.5	8/9/2018			X	X	X			
		B5A-0.5DUP	0.5	8/9/2018			X	X	X			
		B5A-1.5	1.5	8/9/2018								
		B5A-1.5 DUP	1.5	8/9/2018								
		B5A-3	3	8/9/2018								
		B5A-3 DUP	3	8/9/2018								
	B5B*	B5B-0.5	0.5	8/9/2018			X	X	X			
		B5B-1.5	1.5	8/9/2018								
		B5B-3	3	8/9/2018								
	B5C*	B5C-0.5	0.5	8/9/2018			X	X	X			
		B5C-1.5	1.5	8/9/2018								
		B5C-3	3	8/9/2018								
	B6	B6-0.5	0.5	7/10/2018		X	X	X	X			
		B6-1.5	1.5	7/10/2018								
		B6-3	3	7/10/2018								
	B7	B7-0.5	0.5	7/10/2018			X	X	X			
		B7-1.5	1.5	7/10/2018								
		B7-3	3	7/10/2018								
	B8	B8-0.5	0.5	7/10/2018			X	X	X			
		B8-1.5	1.5	7/10/2018								
		B8-3	3	7/10/2018								
B9	B9-0.5	0.5	7/10/2018			X	X	X			X	
	B9-0.5 DUP	0.5	7/10/2018			X	X	X				
	B9-1.5	1.5	7/10/2018				X	X				
	B9-3	3	7/10/2018				X	X				
B10	B10-0.5	0.5	7/10/2018			X	X	X				
	B10-0.5DUP	0.5	7/10/2018			X	X	X				
	B10-1.5	1.5	7/10/2018									
	B10-3	3	7/10/2018									
B11	B11-0.5	0.5	7/10/2018			X	X	X				
	B11-1.5	1.5	7/10/2018				X	X				
	B11-3	3	7/10/2018				X	X				
B11A*	B11A-0.5	0.5	8/9/2018			X	X	X				
	B11A-0.5DUP	0.5	8/9/2018			X	X	X				
	B11A-1.5	1.5	8/9/2018									
	B11A-3	3	8/9/2018									
B11B*	B11B-0.5	0.5	8/9/2018			X	X	X				
	B11B-1.5	1.5	8/9/2018									
	B11B-3	3	8/9/2018									
B11C*	B11C-0.5	0.5	8/9/2018			X	X	X				
	B11C-1.5	1.5	8/9/2018									
B11C*	B11C-3	3	8/9/2018									
Buildings 9, 11, and 12 (Near existing clarifier)	B12	B12-0.5	1.5	7/10/2018			X	X	X			
		B12-1.5	3	7/10/2018								
		B12-3	3	7/10/2018								
	B13	B13-5	5	7/10/2018	X	X		X				

**Table 1: Analytical Summary Table**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Investigative Area	Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							
					TPH-cc (8015M)	VOCs (8260B)	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Lead		PCBs (8082)
										Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
Buildings 9, 11, and 12 (Near existing clarifier)	B13	B13-10	10	7/10/2018	X	X		X				
		B13-15	15	7/10/2018								
Buildings 1, 4, 5, 7, 10 - Campus Center	B14	B14-0.5	0.5	7/10/2018			X	X	X			
		B14-1.5	1.5	7/10/2018								
		B14-3	3	7/10/2018								
	B15	B15-0.5	0.5	7/10/2018			X	X	X			
		B15-1.5	1.5	7/10/2018								
		B15-3	3	7/10/2018								
	B16	B16-0.5	0.5	7/10/2018			X	X	X			
		B16-1.5	1.5	7/10/2018								
		B16-3	3	7/10/2018								
	B17	B17-0.5	0.5	7/10/2018			X	X	X			
		B17-1.5	1.5	7/10/2018								
		B17-3	3	7/10/2018								
	B18	B18-0.5	0.5	7/10/2018			X	X	X			
		B18-1.5	1.5	7/10/2018								
		B18-3	3	7/10/2018		X						
	B19	B19-0.5	0.5	7/10/2018			X	X	X			
		B19-1.5	1.5	7/10/2018								
		B19-3	3	7/10/2018								
	B20	B20-0.5	0.5	7/10/2018			X	X	X			
		B20-1.5	1.5	7/10/2018								
		B20-3	3	7/10/2018			X					
	B21	B21-0.5	0.5	7/11/2018			X	X	X			X
		B21-0.5 DUP	0.5	7/11/2018				X	X			
		B21-1.5	1.5	7/11/2018								
	B22	B21-3	3	7/11/2018								
		B22-0.5	0.5	7/11/2018			X	X	X			
		B22-0.5 DUP	0.5	7/11/2018			X	X	X			
South Football Bleachers & Buildings 8, 9, 10, 40, and 42	B23	B22-1.5	1.5	7/11/2018								
		B23-0.5	0.5	7/11/2018			X	X	X			
		B23-0.5 DUP	0.5	7/11/2018			X	X	X			
	B24	B23-1.5	1.5	7/11/2018								
		B23-3	3	7/11/2018								
		B24-0.5	0.5	7/11/2018			X	X	X			
	B25	B24-0.5 DUP	0.5	7/11/2018			X	X	X			
		B24-1.5	1.5	7/11/2018				X	X			
		B24-3	3	7/11/2018								
	B26	B25-0.5	0.5	7/11/2018			X	X	X			
		B25-0.5 DUP	0.5	7/11/2018			X	X	X			
		B25-1.5	1.5	7/11/2018								
	B27	B25-3	3	7/11/2018								
		B26-0.5	0.5	7/11/2018			X	X	X			X
		B26-0.5 DUP	0.5	7/11/2018			X	X	X			
	B28	B26-1.5	1.5	7/11/2018								
		B26-3	3	7/11/2018								
		B27-0.5	0.5	7/11/2018			X	X	X			
	B29	B27-1.5	1.5	7/11/2018								
		B27-3	3	7/11/2018								
		B28-0.5	0.5	7/11/2018			X	X	X			
	B30	B28-1.5	1.5	7/11/2018								
		B28-3	3	7/11/2018								
		B29-0.5	0.5	7/11/2018			X	X	X			
Buildings 1, 4, 5, 7, 10 - Campus Center	B31	B29-1.5	1.5	7/11/2018								
		B29-3	3	7/11/2018								
		B30-0.5	0.5	7/11/2018			X	X	X			
	B32	B30-1.5	1.5	7/11/2018								
		B30-3	3	7/11/2018								
		B31-0.5	0.5	7/11/2018			X	X	X			X
	B33	B31-0.5 DUP	0.5	7/11/2018			X	X	X			
		B31-1.5	1.5	7/11/2018								
		B31-3	3	7/11/2018								
	B34	B32-0.5	0.5	7/11/2018			X	X	X			
		B32-1.5	1.5	7/11/2018								
		B32-3	3	7/11/2018								
	B35	B33-0.5	0.5	7/11/2018			X	X	X			
		B33-1.5	1.5	7/11/2018								
		B33-3	3	7/11/2018								

**Table 1: Analytical Summary Table**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Investigative Area	Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							PCBs (8082)
					TPH-cc (8015M)	VOCs (8260B)	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Lead		
										Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
Buildings 1, 4, 5, 7, 10 - Campus Center	B36	B36-0.5	0.5	7/11/2018			X	X	X			
		B36-1.5	1.5	7/11/2018								
		B36-3	3	7/11/2018								
	B37	B37-0.5	0.5	7/11/2018			X	X	X		X	
		B37-0.5 DUP	0.5	7/11/2018			X	X	X			
		B37-1.5	1.5	7/11/2018				X	X		X	
		B37-3	3	7/11/2018				X	X			
	B37A*	B37A-0.5	0.5	8/9/2018			X	X	X			
		B37A-1.5	1.5	8/9/2018								
		B37A-3	3	8/9/2018								
	B37B*	B37B-0.5	0.5	8/9/2018			X	X	X			
		B37B-1.5	1.5	8/9/2018								
		B37B-3	3	8/9/2018								
	B37C*	B37C-0.5	0.5	8/9/2018			X	X	X		X	
		B37C-1.5	1.5	8/9/2018						X		
		B37C-3	3	8/9/2018						X		
	B38	B38-0.5	0.5	7/11/2018			X	X	X			X
		B38-1.5	1.5	7/11/2018								
		B38-3	3	7/11/2018								
	B39	B39-0.5	0.5	7/11/2018			X	X	X			
		B39-0.5 DUP	0.5	7/11/2018			X	X	X			
		B39-1.5	1.5	7/11/2018								
		B39-3	3	7/11/2018								
	B40	B40-0.5	0.5	7/11/2018			X	X	X			
		B40-1.5	1.5	7/11/2018			X	X	X			
		B40-3	3	7/11/2018								
	B41	B41-0.5	0.5	7/11/2018			X	X	X			
		B41-1.5	1.5	7/11/2018			X	X	X			
		B41-3	3	7/11/2018								
	B41A*	B41A-0.5	0.5	8/13/2018			X	X	X			
		B41A-0.5 DUP	0.5	8/13/2018			X	X	X			
		B41A-1.5	1.5	8/13/2018								
		B41A-1.5 DUP	1.5	8/13/2018								
		B41A-3	3	8/13/2018								
		B41A-3 DUP	3	8/13/2018								
	B41B*	B41B-0.5	0.5	8/13/2018			X	X	X			
		B41B-1.5	1.5	8/13/2018								
		B41B-3	3	8/13/2018								
	B41C*	B41C-0.5	0.5	8/13/2018			X	X	X			
		B41C-1.5	1.5	8/13/2018								
		B41C-3	3	8/13/2018								
	B42	B42-0.5	0.5	7/11/2018			X	X	X			
		B42-1.5	1.5	7/11/2018								
		B42-3	3	7/11/2018								
	B43	B43-0.5	0.5	7/11/2018			X	X	X		X	
		B43-1.5	1.5	7/11/2018				X	X			
		B43-3	3	7/11/2018				X	X			
	B43A*	B43A-0.5	0.5	8/13/2018			X	X	X			
		B43A-1.5	1.5	8/13/2018								
		B43A-3	3	8/13/2018								
	B43B*	B43B-0.5	0.5	8/13/2018			X	X	X			
		B43B-1.5	1.5	8/13/2018								
		B43B-3	3	8/13/2018								
	B43C*	B43C-0.5	0.5	8/13/2018			X	X	X			
		B43C-1.5	1.5	8/13/2018								
		B43C-3	3	8/13/2018								
North Football Bleachers & Buildings 14 and 44	B44	B44-0.5	0.5	7/11/2018			X	X	X			
		B44-1.5	1.5	7/11/2018								
		B44-3	3	7/11/2018								
	B45	B45-0.5	0.5	7/11/2018			X	X	X			
		B45-0.5 DUP	0.5	7/11/2018			X	X	X			
		B45-1.5	1.5	7/11/2018								
	B46	B46-0.5	0.5	7/11/2018			X	X	X			
		B46-1.5	1.5	7/11/2018								
		B46-3	3	7/11/2018								
	B47	B47-0.5	0.5	7/11/2018			X	X	X			
		B47-0.5 DUP	0.5	7/11/2018			X	X	X			
		B47-1.5	1.5	7/11/2018								
	B48	B47-3	3	7/11/2018								
		B48-0.5	0.5	7/11/2018			X	X	X			
		B48-1.5	1.5	7/11/2018								
	B49	B48-3	3	7/11/2018								
		B49-0.5	0.5	7/11/2018			X	X	X			
		B49-1.5	1.5	7/11/2018				X	X			
	B49A*	B49-3	3	7/11/2018								
		B49A-0.5	0.5	8/9/2019			X	X	X			
		B49A-1.5	1.5	8/9/2019								
	B49B*	B49A-3	3	8/9/2019								
		B49B-0.5	0.5	8/9/2019			X	X	X			

**Table 1: Analytical Summary Table**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Investigative Area	Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							PCBs (8082)
					TPH-cc (8015M)	VOCs (8260B)	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Lead		
										Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
North Football Bleachers & Buildings 14 and 44	B49B*	B49B-1.5	1.5	8/9/2019								
		B49B-3	3	8/9/2019								
	B49C*	B49C-0.5	0.5	8/9/2019			X	X	X			
		B49C-1.5	1.5	8/9/2019								
		B49C-3	3	8/9/2019								
Buildings 28 - 38	B50	B50-0.5	0.5	8/13/2018			X	X	X			X
		B50-1.5	1.5	8/13/2018								
		B50-3	3	8/13/2018								
	B51	B51-0.5	0.5	8/13/2018			X	X	X			X
		B51-0.5 DUP	0.5	8/13/2018			X	X	X			
		B51-1.5	1.5	8/13/2018								
		B51-1.5 DUP	1.5	8/13/2018								
		B51-3	3	8/13/2018								
		B51-3 DUP	3	8/13/2018								
	B52	B52-0.5	0.5	8/13/2018			X	X	X			
		B52-1.5	1.5	8/13/2018				X				
		B52-3	3	8/13/2018				X				
	B52A*	B52A-0.5	0.5	11/21/2018			X		X	X		
		B52A-1.5	1.5	11/21/2018								
		B52A-3	3	11/21/2018								
	B52B*	B52B-0.5	0.5	11/21/2018			X		X	X		
		B52B-1.5	1.5	11/21/2018								
		B52B-1.5 DUP	1.5	11/21/2018								
		B52B-3	3	11/21/2018								
	B52C*	B52C-0.5	0.5	11/21/2018			X		X	X		
		B52C-1.5	1.5	11/21/2018					X			
		B52C-3	3	11/21/2018					X			
	B53	B53-0.5	0.5	8/13/2018			X	X	X			
		B53-1.5	1.5	8/13/2018								
	B54	B54-0.5	0.5	8/13/2018			X	X	X			
		B54-1.5	1.5	8/13/2018								
		B54-3	3	8/13/2018								
	B55	B55-0.5	0.5	8/13/2018			X	X	X			X
		B55-1.5	1.5	8/13/2018								
		B55-3	3	8/13/2018								
	B56	B56-0.5	0.5	8/13/2018			X	X	X			
		B56-1.5	1.5	8/13/2018								
	B57	B56-3	3	8/13/2018								
		B57-0.5	0.5	8/13/2018			X	X	X			
		B57-1.5	1.5	8/13/2018								
	B58	B57-3	3	8/13/2018								
		B58-0.5	0.5	8/13/2018			X	X	X			
		B58-1.5	1.5	8/13/2018								
	B59	B58-3	3	8/13/2018								
		B59-0.5	0.5	8/13/2018			X	X	X			
		B59-1.5	1.5	8/13/2018								
	B60	B59-3	3	8/13/2018								
		B60-0.5	0.5	8/13/2018			X	X	X			
		B60-0.5 DUP	0.5	8/13/2018			X	X	X			
		B60-1.5	1.5	8/13/2018								
		B60-1.5 DUP	1.5	8/13/2018								
	B61	B60-3	3	8/13/2018								
		B61-0.5	0.5	8/13/2018			X	X	X		X	
		B61-1.5	1.5	8/13/2018				X	X			
	B61A	B61-3	3	8/13/2018				X				
B61A-0.5		0.5	11/20/2018			X		X	X	X		
B61A-1.5		1.5	11/20/2018									
B61B	B61A-3	3	11/20/2018									
	B61B-0.5	0.5	11/20/2018			X		X	X	X		
	B61B-0.5 DUP	0.5	11/20/2018			X		X	X			
	B61B-1.5	1.5	11/20/2018									
	B61B-3	3	11/20/2018									
B61C	B61C-0.5	0.5	11/20/2018			X		X	X	X		
	B61C-1.5	1.5	11/20/2018									
	B61C-3	3	11/20/2018									
B62	B62-0.5	0.5	8/13/2018			X	X	X				
B63	B63-0.5	0.5	8/13/2018			X	X	X				
	B63-1.5	1.5	8/13/2018									
B64	B64-0.5	0.5	8/13/2018			X	X	X				
	B64-1.5	1.5	8/13/2018									
	B64-3	3	8/13/2018									
B65	B65-0.5	0.5	8/13/2018			X	X	X		X		
	B65-1.5	1.5	8/13/2018									
	B65-3	3	8/13/2018									
B66	B66-0.5	0.5	8/13/2018			X	X	X				
	B66-1.5	1.5	8/13/2018									
	B66-3	3	8/13/2018									
B67	B67-0.5	0.5	8/13/2018			X	X	X				
	B67-1.5	1.5	8/13/2018									
	B67-3	3	8/13/2018									

**Table 1: Analytical Summary Table**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Investigative Area	Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							PCBs (8082)
					TPH-cc (8015M)	VOCs (8260B)	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Lead		
										Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
Baseball / Softball Field	B68	B68-0.5	0.5	11/19/2018			X		X	X		
		B68-2	2	11/19/2018								
	B69	B69-0.5	0.5	11/19/2018			X		X	X		
		B69-2	2	11/19/2018								
	B70	B70-0.5	0.5	11/20/2018			X		X	X		
		B70-2	2	11/20/2018								
	B71	B71-0.5	0.5	11/20/2018			X		X	X		
		B71-2	2	11/20/2018								
	B72	B72-0.5	0.5	11/20/2018			X		X	X		
		B72-2	2	11/20/2018								
	B73	B73-0.5	0.5	11/19/2018			X		X	X		
		B73-0.5 DUP	0.5	11/19/2018			X		X	X		
		B73-2	2	11/19/2018								
	B74	B74-0.5	0.5	11/19/2018			X		X	X		
		B74-2	2	11/19/2018								
	B75	B75-0.5	0.5	11/19/2018			X		X	X		
		B75-2	2	11/19/2018								
	B76	B76-0.5	0.5	11/20/2018			X		X	X		
		B76-2	2	11/20/2018								
	B77	B77-0.5	0.5	11/20/2018			X		X	X		
		B77-2	2	11/20/2018								
		B77-2 DUP	2	11/20/2018								
	B78	B78-0.5	0.5	11/19/2018			X		X	X		
		B78-2	2	11/19/2018								
	B79	B79-0.5	0.5	11/19/2018			X		X	X		
		B79-2	2	11/19/2018								
	B80	B80-0.5	0.5	11/19/2018			X		X	X		
		B80-0.5 DUP	0.5	11/19/2018			X		X	X		
		B80-2	2	11/19/2018								
	B81	B81-0.5	0.5	11/20/2018			X		X	X		
		B81-2	2	11/20/2018								
	B82	B82-0.5	0.5	11/20/2018			X		X	X		
		B82-2	2	11/20/2018								
Football Field	B83	B83-0.5	0.5	11/19/2018			X		X	X		
		B83-1.5	1.5	11/19/2018								
		B83-1.5 DUP	1.5	11/19/2018								
		B83-3	3	11/19/2018								
	B84	B84-0.5	0.5	11/19/2018			X		X	X		
		B84-1.5	1.5	11/19/2018								
		B84-3	3	11/19/2018								
	B85	B85-0.5	0.5	11/19/2018			X		X	X		
		B85-1.5	1.5	11/19/2018								
		B85-3	3	11/19/2018								
	B86	B86-0.5	0.5	11/19/2018			X		X	X		
		B86-0.5 DUP	0.5	11/19/2018			X		X	X		
		B86-1.5	1.5	11/19/2018								
	B87	B86-3	3	11/19/2018								
		B87-0.5	0.5	11/19/2018			X		X	X		
		B87-1.5	1.5	11/19/2018								
	B88	B87-3	3	11/19/2018								
		B88-0.5	0.5	11/19/2018			X		X	X		
		B88-1.5	1.5	11/19/2018								
	B89	B88-3	3	11/19/2018								
		B89-0.5	0.5	11/19/2018			X		X	X		
		B89-1.5	1.5	11/19/2018								
	B90	B89-3	3	11/19/2018								
		B90-0.5	0.5	11/19/2018			X		X	X		
		B90-1.5	1.5	11/19/2018								
	B91	B90-3	3	11/19/2018								
		B91-0.5	0.5	11/19/2018			X		X	X		
		B91-1.5	1.5	11/19/2018								
	B92	B91-3	3	11/19/2018								
		B92-0.5	0.5	11/19/2018			X		X	X		
		B92-1.5	1.5	11/19/2018								
	B93	B92-3	3	11/19/2018								
		B93-0.5	0.5	11/19/2018			X		X	X		
		B93-1.5	1.5	11/19/2018								
	B94	B93-3	3	11/19/2018								
		B94-0.5	0.5	11/19/2018			X		X	X		
		B94-1.5	1.5	11/19/2018								
	B94	B94-3	3	11/19/2018								

**Table 1: Analytical Summary Table**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Investigative Area	Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							
					TPH-cc (8015M)	VOCs (8260B)	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Lead		PCBs (8082)
										Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
Buildings 13 and 17	B95	B95-0.5	0.5	11/21/2018	X	X	X		X	X		
		B95-1.5	1.5	11/21/2018								
		B95-3	3	11/21/2018								
		B95-6	6	11/21/2018								
	B96	B96-0.5	0.5	11/21/2018	X	X	X		X	X		
		B96-1.5	1.5	11/21/2018								
		B96-3	3	11/21/2018								
		B96-6	6	11/21/2018								

**Notes:**  
ft bgs = feet below ground surface  
EPA = United States Environmental Protection Agency  
TPHcc = Total Petroleum Hydrocarbons - carbon chain  
VOCs = Volatile Organic Compounds  
OCPs = Organochlorine Pesticides  
DHS WET = California Department of Health Services Wet Extraction  
PCBs = Polychlorinated Biphenyls  
X = Sample Analyzed for indicated compound  
DUP = Duplicate Sample  
\* = Step-out Sample

DRAFT

**Table 2: Organochlorine Pesticides in Soil**  
 William Howard Taft Charter High School  
 5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (µg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs <sup>1</sup>				1,700	1,900	2,000	1,900	34	Varies
B1-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B2-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	41	27	ND<4.9	ND
B2A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	13	21	ND<5.0	ND
B2B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B2C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B3-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B4-0.5	07/10/18	0-0.5	--	160	ND<5.0	28	28	ND<5.0	ND
B5-0.5	07/10/18	0-0.5	--	76	ND<4.9	7.9	5.3	74	ND
B5-0.5 DUP	07/10/18	0-0.5	--	61	ND<5.0	7.5	8.1	67	ND
B5-1.5	07/10/18	1-1.5	H	ND<50	ND<5.0	ND<5.0	5.7	59	ND
B5-3	07/10/18	2.5-3	H	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B5A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	5.8	ND<5.0	20	ND
B5A-0.5 DUP	08/09/18	0-0.5	--	ND<50	ND<5.0	4.9	ND<5.0	19	ND
B5B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	9.8	ND<5.0	17	ND
B5C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	13	ND
B6-0.5	07/10/18	0-0.5	--	65	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B7-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B8-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B9-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	9.0	10	ND<5.0	ND
B9-0.5 DUP	07/10/18	0-0.5	--	ND<50	ND<5.0	7.4	7.9	ND<5.0	ND
B10-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B10-0.5 DUP	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11A-0.5 DUP	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	49	ND<5.0	ND<5.0	ND
B11C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B12-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B14-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B15-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B16-0.5	07/10/18	0-0.5	--	74	ND<5.0	500	32	15	ND
B17-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B18-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B19-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B20-0.5	07/10/18	0-0.5	--	360	ND<4.9	7.8	12	ND<5.0	ND
B21-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B21-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B22-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B22-0.5 DUP	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B23-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B23-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B24-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B24-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B25-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B25-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B26-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B26-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B27-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B28-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B29-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	14	ND<4.9	ND<4.9	ND
B30-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B31-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B31-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B32-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B33-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B34-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B35-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B35-0.5 DUP	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND

**Table 2: Organochlorine Pesticides in Soil**  
 William Howard Taft Charter High School  
 5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (µg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs <sup>1</sup>				1,700	1,900	2,000	1,900	34	Varies
B36-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B37-0.5	07/11/18	0-0.5	--	61	ND<4.9	31	9.5	ND<4.9	ND
B37-0.5 DUP	07/11/18	0-0.5	--	51	ND<4.9	30	12	ND<5.0	ND
B37A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B37B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B37C-0.5	08/09/18	0-0.5	--	160	12	310	17	ND<5.0	ND
B38-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B39-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	14	ND<5.0	ND
B39-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B40-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B40-1.5	07/11/18	1-1.5	--	ND<50	12	12	18	ND<5.0	ND
B41-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	140	8.3	8.7	ND
B41-1.5	07/11/18	1-1.5	--	ND<50	ND<5.0	8.0	ND<5.0	ND<5.0	ND
B41A-0.5	08/13/18	0-0.5	--	ND<50	ND<5	ND<5	ND<5	ND<5	ND
B41A-0.5 DUP	08/13/18	0-0.5	--	ND<50	ND<5	ND<5	5.7	ND<5	ND
B41B-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B41C-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B42-0.5	07/11/18	0-0.5	--	81	14	14	26	ND<5.0	ND
B43-0.5	07/11/18	0-0.5	--	180	ND<5.0	16	8.6	ND<5.0	ND
B43A-0.5	08/13/18	0-0.5	--	110	ND<5	14	10	ND<5	ND
B43B-0.5	08/13/18	0-0.5	--	ND<50	ND<5	16	31	ND<5	ND
B43C-0.5	08/13/18	0-0.5	--	50	ND<4.9	11	14	12	ND
B44-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B45-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B45-0.5 DUP	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B46-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B47-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B47-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B48-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B49-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B49A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B49B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B49C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B50-0.5	08/13/18	0-0.5	--	160	ND<5	19	13	ND<5	ND
B51-0.5	08/13/18	0-0.5	--	ND<50	ND<5	7.0	5.6	ND<5	ND
B51-0.5 DUP	08/13/18	0-0.5	--	ND<50	ND<5	11	6.9	ND<5	ND
B52-0.5	08/13/18	0-0.5	--	130	ND<5	33	ND<5	ND<5	ND
B52A-0.5	11/21/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B52B-0.5	11/21/18	0-0.5	--	75	ND<4.9	20	ND<4.9	ND<4.9	ND
B52C-0.5	11/21/18	0-0.5	--	64	ND<5	12	ND<5	ND<5	ND
B53-0.5	08/13/18	0-0.5	--	81	ND<5	ND<5	ND<5	ND<5	ND
B54-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	19	5.3	ND<4.9	ND
B55-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B56-0.5	08/13/18	0-0.5	--	ND<50	ND<5	8.1	ND<5	ND<5	ND
B57-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B58-0.5	08/13/18	0-0.5	--	240	ND<5	29	8.8	ND<5	ND
B59-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B60-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B60-0.5 DUP	08/13/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B61-0.5	08/13/18	0-0.5	--	710	ND<4.9	560	590	9.3	ND
B61A-0.5	11/20/18	0-0.5	--	390	ND<5.0	91	89	7.6	ND
B61B-0.5	11/20/18	0-0.5	--	ND<49	ND<4.9	12	10	ND<4.9	ND
B61B-0.5 DUP	11/20/18	0-0.5	--	65	ND<5.0	19	35	ND<5.0	ND
B61C-0.5	11/20/18	0-0.5	--	200	15	46	57	ND<5.0	ND
B62-0.5	08/13/18	0-0.5	--	ND<50	5.1	97	35	6.6	ND
B63-0.5	08/13/18	0-0.5	--	69	ND<5.0	460	410	ND<5.0	ND
B64-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B65-0.5	08/13/18	0-0.5	--	ND<49	12	79	14	ND<4.9	ND

**Table 2: Organochlorine Pesticides in Soil**  
 William Howard Taft Charter High School  
 5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (µg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs <sup>1</sup>				1,700	1,900	2,000	1,900	34	Varies
B66-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B67-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B68-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B69-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B70-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B71-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B72-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B73-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B73-0.5 DUP	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B74-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B75-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B76-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B77-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B78-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B79-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	7.0	ND<5.0	ND<5.0	ND
B80-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B80-0.5 DUP	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B81-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B82-0.5	11/20/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B83-0.5	11/19/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B84-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B85-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B86-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B86-0.5 DUP	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B87-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B88-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B89-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B90-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B91-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B92-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B93-0.5	11/19/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B94-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B95-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	7.9	ND<5.0	ND<5.0	ND
B96-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5	ND<5.0	ND<5.0	ND
SSALs <sup>1</sup>				1,700	1,900	2,000	1,900	34	Varies

Notes:

ft bgs = feet below ground surface

EPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

DDE = Dichlorodiphenyldichloroethylene

DDD = Dichlorodiphenyldichloroethane

DDT = Dichlorodiphenyltrichloroethane

OCP = Organochlorine Pesticides

SSALs = Site-Specific Action Levels

ND = Not Detected at or above the detection limit

-- = Not applicable

H = Sample extracted outside of laboratory hold time

DUP = Duplicate Sample

Concentrations that exceed SSALs show in **bold** and shaded in orange

<sup>1</sup> SSALs are based on the EPA's *Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1)* November 2018.

**Table 3: Polychlorinated Biphenyls in Soil**  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	PCBs by EPA Method 8082 (µg/kg)								
			Arochlor - 1016	Arochlor - 1221	Arochlor - 1232	Arochlor - 1242	Arochlor - 1248	Arochlor - 1254	Arochlor - 1260	Arochlor - 1262	Arochlor - 1268
<b>B5-0.5</b>	07/10/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
<b>B9-0.5</b>	07/10/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
<b>B21-0.5</b>	07/11/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
<b>B26-0.5</b>	07/11/18	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49
<b>B32-0.5</b>	07/11/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
<b>B38-0.5</b>	07/11/18	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49
<b>B50-0.5</b>	08/13/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
<b>B51-0.5</b>	08/13/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
<b>B55-0.5</b>	08/13/18	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49

Notes:

EPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

ft bgs = feet below ground surface

PCB = Polychlorinated biphenyls

ND = Not Detected at or above the detection limit

Table 4: Title 22 Metals in Soil  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																		
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
				6010B	6010B							6020A	6010B								
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B1-0.5	07/10/18	0-0.5	ND	--	8.19	129	0.503	1.23	20.9	8.53	30.2	13.5	--	2.05	30.0	ND	ND	ND	31.9	68.4	ND
B2-0.5	07/10/18	0-0.5	ND	--	16.5	137	0.335	ND	15.2	10.8	33.7	58.2	2.82	1.31	14.0	ND	ND	ND	35.0	79.4	0.0826
B2-1.5	07/10/18	0-0.5	ND	--	9.99	113	0.416	0.995	27.1	6.69	46.1	4.71	--	8.71	19.4	2.76	ND	ND	26.1	78.8	0.0975
B2A-0.5	08/09/18	0-0.5	ND	--	14.9	177	0.767	1.72	32.0	8.81	52.0	21.8	--	5.71	41.0	3.75	ND	1.96	38.9	104	ND
B2B-0.5	08/09/18	0-0.5	ND	--	8.22	133	0.712	1.52	25.5	8.02	24.8	9.00	--	2.74	29.5	0.892	ND	1.94	42.0	68.0	ND
B2C-0.5	08/09/18	0-0.5	ND	--	9.28	138	0.627	1.21	29.3	7.71	38.7	10.4	--	5.52	31.5	1.92	ND	2.07	38.7	82.7	ND
B3-0.5	07/10/18	0-0.5	ND	--	7.88	92.3	0.440	0.567	27.8	6.28	38.0	3.71	--	14.7	18.4	4.43	ND	ND	31.4	75.4	ND
B4-0.5	07/10/18	0-0.5	ND	--	8.62	143	0.454	1.47	24.9	6.89	32.3	54.4	1.67	2.84	22.0	0.840	ND	ND	32.7	147	ND
B5-0.5	07/10/18	0-0.5	ND	--	9.96	141	0.440	1.33	24.2	12.4	38.9	22.5	--	5.81	29.5	1.41	ND	ND	32.0	145	0.166
B5-0.5-DUP	07/10/18	0-0.5	ND	--	9.35	161	0.384	1.17	23.3	7.54	40.1	25.2	--	6.83	26.3	2.43	ND	ND	31.1	146	ND
B5A-0.5	08/09/18	0-0.5	ND	--	14.1	174	0.707	1.14	33.4	7.89	43.2	27.1	--	8.94	30.0	2.48	ND	1.92	42.1	183	ND
B5A-0.5DUP	08/09/18	0-0.5	ND	--	10.9	181	0.706	1.18	34.5	8.83	45.1	34.0	--	7.07	30.7	2.95	ND	1.48	40.9	190	ND
B5B-0.5	08/09/18	0-0.5	ND	--	8.98	220	0.672	1.12	33.9	8.27	46.9	37.3	--	5.70	28.7	2.53	ND	1.78	38.5	121	0.0813
B5C-0.5	08/09/18	0-0.5	ND	--	12.7	172	0.631	0.920	33.5	7.65	48.5	25.3	--	7.10	31.3	3.22	ND	1.69	36.4	111	ND
B6-0.5	07/10/18	0-0.5	ND	--	9.34	152	0.598	1.23	20.0	7.53	22.9	16.5	--	2.21	25.8	2.44	ND	ND	34.7	65.9	ND
B7-0.5	07/10/18	0-0.5	ND	--	8.89	212	0.483	1.40	26.4	8.40	42.2	7.58	--	4.27	36.4	2.22	ND	ND	31.8	89.6	ND
B8-0.5	07/10/18	0-0.5	ND	--	11.5	145	0.523	1.17	18.9	6.99	28.7	13.1	--	2.11	23.2	ND	ND	ND	34.2	64.2	ND
B9-0.5	07/10/18	0-0.5	ND	--	23.9	163	0.426	1.24	20.5	7.67	30.5	13.5	--	2.74	27.5	0.874	ND	ND	32.1	106	0.187
B9-0.5DUP	07/10/18	0-0.5	ND	--	28.4	139	0.387	1.09	19.1	5.88	31.2	12.0	--	4.39	24.7	2.24	ND	ND	30.8	115	ND
B9-1.5	07/10/18	1-1.5	ND	--	25.5	136	0.471	1.36	26.1	7.75	43.8	27.4	--	3.22	29.5	4.35	ND	ND	29.9	162	ND
B9-3	07/10/18	2.5-3	ND	--	6.35	173	0.606	1.13	14.3	5.35	18.6	2.50	--	1.91	26.2	0.784	ND	1.66	31.1	40.7	ND
B10-0.5	07/10/18	0-0.5	ND	--	10.3	85.6	0.345	0.946	14.5	4.36	22.3	24.9	--	1.28	16.7	ND	ND	ND	22.6	58.1	ND
B10-0.5DUP	07/10/18	0-0.5	ND	--	11.1	97.4	0.352	0.973	13.9	5.22	21.2	17.7	--	1.63	18.7	ND	ND	ND	25.3	51.7	ND
B11-0.5	07/10/18	0-0.5	ND	--	21.1	129	0.389	0.817	28.8	6.76	48.2	9.05	--	5.45	22.6	2.52	ND	ND	30.4	90.3	ND
B11-1.5	07/10/18	1-1.5	ND	--	15.2	138	0.511	1.39	29.9	7.54	30.9	29.3	--	1.96	20.2	ND	0.375	ND	35.9	130	0.0896
B11-3	07/10/18	2.5-3	ND	--	9.62	148	0.710	1.31	27.2	8.22	39.3	4.61	--	8.06	35.5	1.54	ND	1.61	39.5	83.0	ND
B11A-0.5	08/09/18	0-0.5	ND	--	36.2	149	0.798	1.56	37.0	9.68	54.0	10.0	--	9.90	53.7	2.81	ND	1.77	41.5	138	ND
B11A-0.5DUP	08/09/18	0-0.5	ND	--	16.2	129	1.08	6.47	38.8	30.8	50.7	9.05	--	21.9	225	2.69	ND	ND	41.6	159	ND
B11B-0.5	08/09/18	0-0.5	ND	--	20.0	136	0.697	1.17	30.7	9.91	27.1	25.8	--	0.885	18.1	ND	ND	2.29	42.1	109	ND
B11C-0.5	08/09/18	0-0.5	ND	--	4.92	130	0.646	1.70	22.6	8.23	27.5	4.07	--	5.06	43.9	3.34	ND	1.64	31.7	75.5	ND
B12-0.5	07/10/18	0-0.5	ND	--	5.84	153	0.402	1.17	29.4	11.0	34.7	5.44	--	5.71	29.9	1.28	ND	ND	34.1	71.8	ND
B13-5	07/10/18	4.5-5	ND	5.44	--	93.0	0.380	0.984	22.4	4.94	32.7	3.83	--	7.99	30.2	3.23	ND	ND	24.5	69.2	ND
B13-10	07/10/18	9.5-10	ND	4.08	--	244	0.543	0.816	18.5	7.28	27.6	4.20	--	1.96	24.3	0.977	ND	ND	39.3	38.1	ND
B14-0.5	07/10/18	0-0.5	ND	--	1.49	165	0.275	0.575	24.3	4.14	50.2	8.41	--	2.85	13.7	1.31	0.246	ND	22.4	56.1	ND
B15-0.5	07/10/18	0-0.5	ND	--	10.1	58.4	0.321	0.513	31.3	7.29	40.8	2.38	--	13.1	16.1	1.51	ND	ND	32.3	86.1	ND
B16-0.5	07/10/18	0-0.5	ND	--	5.05	98.0	ND	ND	10.4	5.97	12.6	20.6	--	0.472	10.5	ND	ND	ND	23.5	40.6	0.115
B17-0.5	07/10/18	0-0.5	ND	--	10.1	98.0	ND	ND	10.4	5.97	12.6	20.6	--	0.472	10.5	ND	ND	ND	23.5	40.6	ND
B18-0.5	07/10/18	0-0.5	ND	--	6.32	137	0.335	ND	15.2	10.8	17.8	8.81	--	1.31	14.0	ND	ND	ND	35.0	61.4	ND
B19-0.5	07/10/18	0-0.5	0.758	--	10.1	92.0	ND	ND	6.31	5.44	10.7	23.2	--	0.895	9.61	ND	ND	ND	2		

Table 4: Title 22 Metals in Soil  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																		
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B32-0.5	07/11/18	0-0.5	ND	--	5.64	129	0.551	1.38	21.5	7.32	17.9	3.66	--	3.21	21.8	1.47	ND	ND	45.4	49.0	ND
B33-0.5	07/11/18	0-0.5	ND	--	8.73	140	0.544	0.958	19.3	7.00	23.0	8.72	--	2.56	20.7	1.14	ND	ND	35.5	53.1	ND
B34-0.5	07/11/18	0-0.5	ND	--	6.08	69.8	0.373	0.972	38.8	7.89	40.6	4.71	--	11.3	41.1	5.07	0.273	1.02	31.0	91.9	0.0827
B34-1.5	07/11/18	1-1.5	ND	--	10.7	63.2	0.436	1.62	30.2	8.09	29.2	3.29	--	5.37	27.1	5.12	ND	ND	34.4	87.9	ND
B35-0.5	07/11/18	0-0.5	ND	--	3.95	134	0.350	0.802	14.2	8.06	16.3	4.51	--	0.256	22.1	0.867	ND	ND	29.4	51.5	ND
B35-0.5 DUP	07/11/18	0-0.5	ND	--	3.27	196	0.467	1.08	17.4	7.57	16.8	4.12	--	0.357	30.8	ND	ND	ND	31.6	60.2	ND
B36-0.5	07/11/18	0-0.5	ND	--	4.97	142	0.363	0.610	33.7	7.93	52.4	7.00	--	3.06	20.1	11.1	ND	ND	31.9	85.5	ND
B37-0.5	07/11/18	0-0.5	ND	--	24.2	189	0.616	2.09	34.9	12.3	51.9	60.1	0.905	5.50	62.3	2.09	ND	ND	38.7	389	0.0886
B37-0.5 DUP	07/11/18	0-0.5	ND	--	20.2	161	0.556	1.94	31.7	10.5	49.5	56.8	--	5.18	59.5	2.17	ND	ND	35.3	374	0.0836
B37-1.5	07/11/18	1-1.5	ND	--	17.0	149	0.953	3.23	33.3	18.2	48.5	156	4.74	3.51	87.1	2.21	ND	ND	33.1	802	0.296
B37-3	07/11/18	2.5-3	ND	--	13.5	80.0	0.426	ND	27.1	5.38	36.2	11.1	--	16.2	16.1	4.99	ND	1.21	41.1	111	ND
B37A-0.5	08/09/18	0-0.5	ND	--	7.49	176	0.811	2.27	25.8	10.9	26.8	4.84	--	4.59	60.3	0.879	ND	1.98	40.5	97.1	ND
B37B-0.5	08/09/18	0-0.5	ND	--	12.6	223	0.855	1.03	37.4	9.97	42.7	5.19	--	12.4	45.8	4.86	ND	2.19	50.9	95.2	0.0948
B37C-0.5	08/09/18	0-0.5	ND	--	30.1	193	0.917	1.69	39.2	13.4	47.4	228	4.38	5.79	56.8	2.39	ND	1.70	45.8	315	0.220
B37C-1.5	08/09/18	1-1.5	--	--	--	--	--	--	--	--	--	12.1	--	--	--	--	--	--	--	--	--
B37C-3	08/09/18	2.5-3	--	--	--	--	--	--	--	--	--	13.1	--	--	--	--	--	--	--	--	--
B38-0.5	07/11/18	0-0.5	ND	--	7.63	74.8	0.319	0.606	39.5	8.10	51.3	4.86	--	10.9	20.3	5.50	ND	ND	36.9	92.3	ND
B39-0.5	07/11/18	0-0.5	ND	--	5.05	287	0.431	0.625	25.4	5.90	22.6	8.29	--	4.23	21.6	2.94	ND	ND	33.0	64.1	ND
B39-0.5 DUP	07/11/18	0-0.5	ND	--	8.99	73.0	0.439	0.860	44.8	8.33	50.9	3.86	--	11.3	35.1	6.48	ND	ND	41.9	81.9	ND
B40-0.5	07/11/18	0-0.5	ND	--	3.00	222	0.414	0.828	22.8	16.3	24.8	15.0	--	0.583	23.8	3.18	ND	ND	36.4	79.1	ND
B40-1.5	07/11/18	1-1.5	ND	--	5.79	229	0.469	0.780	18.9	13.5	26.1	29.0	--	ND	19.4	1.10	ND	ND	35.7	71.1	ND
B41-0.5	07/11/18	0-0.5	ND	--	12.6	178	0.445	1.21	33.4	9.76	39.0	14.9	--	6.83	32.4	4.51	ND	ND	35.7	121	ND
B41-1.5	07/11/18	1-1.5	ND	--	11.3	500	0.529	0.842	38.7	9.58	41.1	6.88	--	9.79	31.1	6.44	ND	ND	46.3	126	0.0838
B41A-0.5	08/13/18	0-0.5	ND	--	7.92	126	0.631	1.37	30.4	12.7	40.3	10.9	--	11.3	34.5	8.35	ND	2.10	41.0	96.9	ND
B41A-0.5 DUP	08/13/18	0-0.5	ND	--	6.24	132	0.643	1.42	30.9	11.8	43.5	11.0	--	12.1	37.6	6.33	ND	1.93	40.0	99.6	ND
B41B-0.5	08/13/18	0-0.5	ND	--	6.89	147	0.590	1.29	32.2	10.2	39.2	14.1	--	5.56	31.7	3.89	ND	2.23	42.2	116	ND
B41C-0.5	08/13/18	0-0.5	ND	--	4.46	108	0.479	1.12	18.5	9.08	24.4	6.29	--	5.30	32.7	3.87	ND	1.58	32.0	73.0	ND
B42-0.5	07/11/18	0-0.5	ND	--	7.98	104	0.398	1.33	28.3	8.28	32.8	24.4	--	3.79	26.2	0.833	ND	ND	40.4	161	ND
B43-0.5	07/11/18	0-0.5	ND	--	17.4	184	0.483	1.81	32.0	9.2	41.9	57.2	2.40	3.20	29.5	1.66	ND	ND	39.8	197	ND
B43-1.5	07/28/18	1-1.5	ND	--	12.2	137	0.426	1.56	17.9	7.1	28.9	34.7	--	4.64	22.2	ND	ND	0.787	28.4	127	ND
B43-3	07/11/18	2.5-3	ND	--	4.33	75.2	0.365	1.21	9.7	4.3	24.5	9.02	--	5.03	21.1	ND	ND	ND	15.9	51.8	ND
B43A-0.5	08/13/18	0-0.5	ND	--	21.4	168	0.618	1.53	28.1	7.69	37.4	40.0	--	4.46	29.7	1.25	ND	1.32	40.0	133	0.168
B43B-0.5	08/13/18	0-0.5	ND	--	11.3	169	0.618	1.52	28.2	7.71	37.3	40.3	--	4.51	29.9	1.40	ND	1.37	40.1	134	0.0821
B43C-0.5	08/13/18	0-0.5	ND	--	9.20	154	0.605	1.10	45.7	7.07	23.3	36.5	--	2.23	22.6	ND	ND	1.37	38.2	114	ND
B44-0.5	07/11/18	0-0.5	ND	--	6.19	158	0.464	1.73	34.8	7.38	36.4	5.26	--	6.55	39.8	1.31	ND	ND	37.4	75.6	ND
B45-0.5	07/11/18	0-0.5	ND	--	6.08	220	0.476	1.54	33.2	8.38	31.3	13.3	--	4.30	34.4	2.85	ND	ND	39.5	77.1	ND
B45-0.5 DUP	07/11/18	0-0.5	ND	--	7.34	213	0.501	1.56	35.5	8.53	34.7	8.06	--	4.97	37.6	2.88	ND	ND	39.9	81.3	ND
B46-0.5	07/11/18	0-0.5	ND	--	6.98	191	0.457	2.15	33.4	9.30	37.3	12.7	--	5.77	41.0	2.71	ND	ND	35.6	84.1	ND
B47-0.5	07/11/18	0-0.5	ND	--	9.12	202	0.506	1.89	36.2	7.71	34.8	4.43	--	5.40	35.5	0.812	ND	ND	41.0	78.2	ND
B47-0.5 DUP	07/11/18	0-0.5	ND	--	9.34	183	0.489	2.12	38.3	7.49	34.3	4.09	--	5.87	34.8	1.97	ND	ND	45.1	78.4	ND
B48-0.5	07/11/18	0-0.5	ND	--	8.98	159	0.373	0.980	33.6	6.20	31.2	7.15	--	7.56	28.9	4.13	ND	ND	34.0	69.7	ND
B49-0.5	07/11/18	0-0.5	ND	--	14.1	182	0.382	0.732	34.7	8.01	40.2	6.35	--	10.2	26.1	4.36	ND	ND	36.6	89.6	ND
B49-1.5	07/11/18	1-1.5	ND	--	6.75	84.9	ND	0.776	19.8	5.39	30.6	2.60	--	12	11.9	12.90	ND	ND	23.6	62.7	ND
B49A-0.5	08/09/18	0-0.5	ND	--	11.8	174	0.625	0.816	32.3	7.77	41.2	14.5	--	9.83	29.19						

Table 4: Title 22 Metals in Soil  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																		
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
				6010B	6010B							6020A	6010B								
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B55-0.5	08/13/18	0-0.5	ND	--	1.64	52.1	ND	0.583	10.9	2.02	8.35	2.06	--	1.29	10.4	ND	ND	ND	13.2	29.5	ND
B56-0.5	08/13/18	0-0.5	ND	--	5.42	174	0.664	1.60	25.9	6.67	27.6	16.5	--	2.59	27.8	1.33	ND	1.42	37.3	114	ND
B57-0.5	08/13/18	0-0.5	ND	--	5.43	159	0.605	1.22	28.3	7.72	32.3	5.48	--	7.97	31.9	1.93	ND	1.26	38.8	69.0	ND
B58-0.5	08/13/18	0-0.5	ND	--	7.61	153	0.598	1.21	24.9	8.71	27.6	28.2	--	1.54	23.3	ND	ND	2.31	40.2	74.4	ND
B59-0.5	08/13/18	0-0.5	ND	--	5.79	164	0.716	1.60	34.3	7.67	32.8	4.61	--	6.11	36.5	1.76	ND	1.36	42.8	75.8	ND
B60-0.5	08/13/18	0-0.5	ND	--	7.80	149	0.662	1.71	34.0	8.35	32.9	6.42	--	6.29	39.0	2.39	ND	1.33	39.8	76.1	ND
B60-0.5 DUP	08/13/18	0-0.5	ND	--	10.7	176	0.755	2.22	37.2	9.79	39.2	7.85	--	7.33	53.8	2.65	ND	1.38	46.0	90.3	ND
B61-0.5	08/13/18	0-0.5	ND	--	9.24	190	0.824	2.07	35.5	8.83	38.2	87.6	2.19	7.87	35.1	1.08	ND	1.50	50.5	151	ND
B61-1.5	08/13/18	1-1.5	ND	8.01	6.32	143	0.567	1.72	16.5	7.01	24.6	5.77	--	2.44	30.4	ND	ND	ND	25.3	59.2	ND
B61-3	08/13/18	2.5-3	ND	6.59	--	176	0.560	1.37	14.7	7.14	23.5	3.07	--	1.81	23.5	ND	ND	ND	22.9	41.6	ND
B61A-0.5	11/20/18	0-0.5		--	8.64	--	--	--	--	--	--	46.7	1.55	--	--	--	--	--	--	--	--
B61B-0.5	11/20/18	0-0.5			7.03	--	--	--	--	--	--	13.5	0.508	--	--	--	--	--	--	--	--
B61B-0.5 DUP	11/20/18	0-0.5			6.46	--	--	--	--	--	--	24.4	--	--	--	--	--	--	--	--	--
B61C-0.5	11/20/18	0-0.5			6.86	--	--	--	--	--	--	45.4	1.38	--	--	--	--	--	--	--	--
B62-0.5	08/13/18	0-0.5	ND	--	6.32	147	0.607	1.28	24.8	7.41	28.4	46.0	--	3.16	27.6	1.72	ND	1.49	39.0	201	ND
B63-0.5	08/13/18	0-0.5	ND	--	9.91	201	0.754	1.67	33.2	8.90	35.4	57.4	--	3.01	35.3	0.826	ND	1.57	46.2	172	ND
B64-0.5	08/13/18	0-0.5	ND	--	5.42	179	0.745	1.64	25.8	7.56	22.4	5.54	--	3.55	28.5	0.885	ND	1.87	46.1	58.8	ND
B65-0.5	08/13/18	0-0.5	ND	--	8.34	195	0.739	1.88	28.9	8.37	34.4	20.7	0.492	2.84	30.8	1.54	ND	1.40	46.6	95.6	ND
B66-0.5	08/13/18	0-0.5	ND	--	6.83	185	0.701	1.45	28.0	6.95	32.2	6.96	--	2.37	29.5	ND	ND	1.39	35.9	61.4	ND
B67-0.5	08/13/18	0-0.5	ND	--	8.95	190	0.747	1.61	30.1	8.36	28.2	7.35	--	3.32	34.4	ND	ND	1.49	44.0	67.6	ND
B68-0.5	11/19/18	0-0.5		--	8.22	--	--	--	--	--	--	30.5	--	--	--	--	--	--	--	--	--
B69-0.5	11/19/18	0-0.5		--	9.17	--	--	--	--	--	--	21.5	--	--	--	--	--	--	--	--	--
B70-0.5	11/20/18	0-0.5		--	6.62	--	--	--	--	--	--	21.8	--	--	--	--	--	--	--	--	--
B71-0.5	11/20/18	0-0.5		--	7.92	--	--	--	--	--	--	4.92	--	--	--	--	--	--	--	--	--
B72-0.5	11/20/18	0-0.5		--	10.4	--	--	--	--	--	--	10.9	--	--	--	--	--	--	--	--	--
B73-0.5	11/19/18	0-0.5		--	5.15	--	--	--	--	--	--	6.28	--	--	--	--	--	--	--	--	--
B73-0.5 DUP	11/19/18	0-0.5		--	5.53	--	--	--	--	--	--	5.56	--	--	--	--	--	--	--	--	--
B74-0.5	11/19/18	0-0.5		--	4.54	--	--	--	--	--	--	7.71	--	--	--	--	--	--	--	--	--
B75-0.5	11/19/18	0-0.5		--	4.23	--	--	--	--	--	--	16.2	--	--	--	--	--	--	--	--	--
B76-0.5	11/20/18	0-0.5		--	3.17	--	--	--	--	--	--	6.63	--	--	--	--	--	--	--	--	--
B77-0.5	11/20/18	0-0.5		--	3.27	--	--	--	--	--	--	16.9	--	--	--	--	--	--	--	--	--
B78-0.5	11/19/18	0-0.5		--	4.44	--	--	--	--	--	--	5.38	--	--	--	--	--	--	--	--	--
B79-0.5	11/19/18	0-0.5		--	4.94	--	--	--	--	--	--	15.4	--	--	--	--	--	--	--	--	--
B80-0.5	11/19/18	0-0.5		--	6.50	--	--	--	--	--	--	6.63	--	--	--	--	--	--	--	--	--
B80-0.5 DUP	11/19/18	0-0.5		--	8.33	--	--	--	--	--	--	7.60	--	--	--	--	--	--	--	--	--
B81-0.5	11/20/18	0-0.5		--	4.09	--	--	--	--	--	--	3.34	--	--	--	--	--	--	--	--	--
B82-0.5	11/20/18	0-0.5		--	7.76	--	--	--	--	--	--	7.42	--	--	--	--	--	--	--	--	--
B83-0.5	11/19/18	0-0.5		--	4.42	--	--	--	--	--	--	17.3	--	--	--	--	--	--	--	--	--
B84-0.5	11/19/18	0-0.5		--	4.62	--	--	--	--	--	--	18.2	--	--	--	--	--	--	--	--	--
B85-0.5	11/19/18	0-0.5		--	8.06	--	--	--	--	--	--	24.0	--	--	--	--	--	--	--	--	--
B86-0.5	11/19/18	0-0.5		--	7.91	--	--	--	--	--	--	16.9	--	--	--	--	--	--	--	--	--
B86-0.5 DUP	11/19/18	0-0.5		--	6.40	--	--	--	--	--	--	14.7	--	--	--	--	--	--	--	--	--
B87-0.5	11/19/18	0-0.5		--	5.24	--	--	--	--	--	--	23.1	--	--	--	--	--	--	--	--	--
B88-0.5	11/19/18	0-0.5		--	2.68	--	--	--	--	--	--	15.9	--	--	--	--	--	--	--	--	--
B89-0.5	11/19/18	0-0.5		--	5.72	--	--	--	--	--	--	14.5	--	--	--	--	--	--	--	--	--
B90-0.5	11/19/18	0-0.5		--	6.49	--	--	--	--	--	--	16.3	--	--	--	--	--	--	--	--	--
B91-0.5	11/19/18	0-0.5		--	5.85	--	--	--	--	--	--	13.0	--	--	--	--	--	--	--	--	--
B92-0.5	11/19/18	0-0.5		--	6.28	--	--	--	--	--	--	16.3	--	--	--	--	--	--	--	--	--
B93-0.5	11/19/18	0-0.5		--	5.75	--	--	--	--	--	--	16.2	--	--	--	--	--	--	--	--	--

Table 4: Title 22 Metals in Soil  
William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																		
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B94-0.5	11/19/18	0-0.5	--		5.58	--	--	--	--	--	--	10.8	--	--	--	--	--	--	--	--	--
B95-0.5	11/21/19	0-0.5	--		3.83	--	--	--	--	--	--	5.13	--	--	--	--	--	--	--	--	--
B96-0.5	11/21/19	0-0.5	--		5.97	--	--	--	--	--	--	4.48	--	--	--	--	--	--	--	--	--
Maximum Concentration			1.15	10.9	36.2	500	1.08	6.47	45.7	30.8	54	228	4.74	21.9	225	12.9	0.375	2.31	50.9	802	0.296
SSALs <sup>1</sup>			31	12	12 / 24 <sup>2</sup>	15,000	160	71	NE	23	3,100	80	NE	390	1,500	390	390	0.78 <sup>3</sup>	390	23,000	11
California Hazardous Waste Threshold			500	500	500	10,000	75	100	2,500	8,000	2,500	1,000	5	3,500	2,000	100	500	700	2,400	5,000	20

Notes:

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram

-- = Sample not analyzed for compound

TTLIC = Total Threshold Limit Concentration

mg/l = milligrams per liter

ND = Not Detected at or above the detection limit

WET = Waste Extraction Test

DUP = Duplicate Sample

Concentrations that exceed SSALs shown in bold and shaded in orange

<sup>1</sup> SSALs for arsenic and lead (12 mg/kg and 80 mg/kg, respectively) are from *Scope of Services: PEA Equivalent* document (dated April 23, 2018) by the Los Angeles Unified School District. The SSALs for the remaining Title 22 metals are based on remaining Title 22 metals are based on the EPA's *Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1)* November 2018.

<sup>2</sup>The maximum allowable concentration of arsenic is 24 mg/kg (*Scope of Services: PEA Equivalent*, LAUSD OEHS, April 23, 2018). If a limited hot-spot removal at locations B9, B11, B11A, B37, and B37C is performed, the 95% UCL for remaining arsenic concentrations do not exceed the SSAL for arsenic of 12 mg/kg. See text for additional details.

<sup>3</sup>All detected concentrations of thallium exceeded the SSAL for thallium of 0.78 mg/kg. However, the detected concentrations do not appear to originate from an on-site release and therefore are considered background and not of concern. See text for additional details.

**Table 5: Total Petroleum Hydrocarbons and Volatile Organic Compounds in Soil**

William Howard Taft Charter High School  
 5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	EPA Method 8015M (mg/kg)			All EPA Method 8260B VOCs (µg/kg)
			GRO (C4 - C12)	DRO (C13 - C22)	ORO (C23 - C40)	
B6-0.5	07/10/18	0-0.5	--	--	--	ND
B13-5	07/10/18	4.5-5	ND	ND	ND	ND
B13-10	07/10/18	9.5-10	ND	ND	ND	ND
B18-3	07/10/18	2.5-3	--	--	--	ND
B95-0.5	11/21/18	0-0.5	ND	ND	19.1	ND
B96-0.5	11/21/18	0-0.5	ND	ND	ND	ND
SSAL <sup>1</sup>			100	100	1,000	Varies

**Notes:**

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

ft bgs = feet below ground surface

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

ORO = Oil Range Organics

VOC = Volatile Organic Compound

ND = Not Detected at or above the detection limit

-- = Sample not analyzed for indicated compound

SSAL<sup>1</sup> = Site Specific Action Levels; SSALs are based on Maximum Soil Screening Levels for sites with groundwater depth of less than 20 feet below the sampling depth (MSSLs) from the *Interim Site Assessment & Cleanup Guidebook* (Los Angeles Regional Water Quality Control Board; May 1996)

**Table 6: Gasoline-Range Organics and Volatile Organic Compounds in Soil Vapor**

William Howard Taft Charter High School  
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Probe Depth (ft bgs)	Date	VOCs by EPA Method 8260B (µg/l)							GC/MS (µg/l)
			PCE	Toluene	1,2,4-TMB	m,p-Xylene	4-Isopropyl-toluene	LCC	All Other EPA 8260B VOC Analytes	GRO (C4-C12)
B13-SV-5'	5	7/11/2018	0.010	0.021	ND<0.008	0.0510	0.017	ND	ND	8.41
B13-SV-5' REP	5	7/11/2018	0.016	0.012	0.014	0.010	ND	ND	ND	6.18
B13-SV-10'	10	7/11/2018	0.011	ND<0.008	ND<0.008	ND<0.008	ND	ND	ND	ND
SSALs <sup>1</sup>			5.5	2,600	31.5	50	NE	NE	Varies	NE

**Notes:**

EPA = United States Environmental Protection Agency

µg/l = micrograms per liter

GC/MS = Gas chromatography–mass spectrometry

ft bgs = feet below ground surface

PCE = Tetrachloroethene

TMB = Trimethylbenzene

LCC = Leak Check Compound (a mixture of n-Pentane, n-Hexane, and n-Heptane was used as the LCC)

VOC = Volatile Organic Compounds

REP = Duplicate sample

ND = Not Detected at or above the detection limit

SSALs = Site-Specific Action Levels

NE = Not established for the compound or suite of compounds

<sup>1</sup> SSALs are calculated using the approach outlined in the Department of Toxic Substances Control's (DTSC's) Vapor Intrusion Guidance (October 2011) with an attenuation factor of 0.002. SSALs are based on the EPA's *Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2018*.

**APPENDIX A**  
**BORING LOGS WITH BOREHOLE COMPLETION DIAGRAMS**



# BORING B1

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 7:20	END: 7:31	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	7:25		B1-0.5'	30.7	ML		SANDY SILT; FINE-GRAINED SAND; DARK BROWN; SOFT; MOIST; NON-PLASTIC; ORGANICS	HYDRATED BENTONITE
	7:28		B1-1.5'	6.0	ML		SAME AS ABOVE; LESS ORGANICS	
	7:31		B1-3'	2.0	ML		SAME AS ABOVE; WITH SOME COBBLES	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B2

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 07/10/2018	START: 7:40	END: 7:50	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	7:42		B2-0.5'	70.0	ML		SILT WITH TRACE SAND AND GRAVEL; MEDIUM BROWN; SOFT; MOIST; NON-PLASTIC; ORGANICS; SOLVENT ODOR; NO STAINING	HYDRATED BENTONITE
	7:47		B2-1.5'	2.2	ML		SILT; MEDIUM BROWN; STIFF; MOIST; NON-PLASTIC; NO ODORS; NO STAINING	
	7:50		B2-3'	13.3	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B2A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 10:45	END: 10:55	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:44		B2A-0.5'	204	ML		UNPAVED	HYDRATED BENTONITE	
	10:50		B2A-1.5'	74	ML		SANDY SILT; DARK BROWN; MOIST; SOFT; NON PLASTIC; NO ODOR; NO STAINING; TREE ROOTS SAME AS ABOVE		
	10:55		B2A-3'	3.4	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B2B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:00	END: 11:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:02		B2B-0.5'	153.0	ML		UNPAVED	HYDRATED BENTONITE
	11:05		B2B-1.5'	34.3	ML		SANDY SILT; DARK BROWN; MOIST; SOFT; NON-PLASTIC; PINE ODOR; NO STAINING SAME AS ABOVE	
	11:00		B2B-3'	4.8	ML		CLAYEY SILT; DARK BROWN; MOIST; VERY STIFF; NON-PLASTIC; NO STAINING; NO ODOR	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B2C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 08/09/2019	START: 11:15	END: 11:25	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	11:17		B2C-0.5'	9.7	ML		UNPAVED	HYDRATED BENTONITE	
	11:20		B2C-1.5'	42.4	ML		CLAYEY SILT; DARK BROWN; MOIST; SOFT; LOW PLASTICITY; NO STAINING; PINE ODOR SANDY SILT; DARK BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING		
	11:25		B2C-3'	35.4	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B3

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 7:55	END: 8:05	BORING DIAMETER: 3.25"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	7:58		B3-0.5'	0.5	ML		3" ASPHALT	
	8:02		B3-1.5'	0.9	ML		SANDY SILT; MEDIUM BROWN; SOFT; MOIST; LOW PLASTICITY; NO ODORS; NO STAINING	
	8:05		B3-3'	0.4	ML		SAME AS ABOVE	
							CLAYEY SILT; MEDIUM BROWN; SOFT; MOIST; PLASTIC; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B4

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 07/10/2018	START: 8:20	END: 8:30	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED SOIL	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:23		B4-0.5'	1.5	ML		SANDY SILT; DARK BROWN; SOFT; MOIST; NON-PLASTIC; NO ODORS; NO STAINING; ORGANICS	HYDRATED BENTONITE
	8:25		B4-1.5'	2.0	ML		SILTY SAND; REDDISH BROWN; SOFT; MOIST; NON-PLASTIC; NO ODORS; NO STAINING; ORGANICS	
	8:30		B4-3'	2.0	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B5

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 07/10/2018	START: 8:35	END: 8:45	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED SOIL	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:38		B5-0.5'	15.0	ML		SILT; DARK BROWN; SOFT; MOIST; LOW PLASTICITY; NO ODORS; NO STAINING; ORGANICS	
	8:41		B5-1.5'	4.8	ML		SAME AS ABOVE	HYDRATED BENTONITE
	8:45		B5-3'	1.1	SP/SM		POORLY GRADED SAND WITH SILT; FINE TO MEDIUM-GRAINED SAND; MEDIUM BROWN; LOOSE; MOIST; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B5A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:00	END: 10:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:02		B5A-0.5'	1.3	ML		UNPAVED	HYDRATED BENTONITE
	10:05		B5A-1.5'	1.9	ML		SANDY SILT WITH CLAY; DARK BROWN; MOIST; LOW PLASTICITY; SOFT; NO ODORS; NO STAINING	
							CLAYEY SILT; DARK BROWN; MOIST; PLASTIC; SOFT; NO ODORS; NO STAINING	
	10:10		B5A-3'	0.8	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B5B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 12:05	END: 12:15	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:17		B5B-0.5'	1.8	ML		UNPAVED	HYDRATED BENTONITE	
	10:20		B5B-1.5'	1.4	ML		SANDY SILT WITH TREE ROOTS; DARK BROWN; MOIST; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING		
	10:25		B5B-3'	1.2	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B5C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:30	END: 10:40	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:32		B5C-0.5'	1.7	ML		UNPAVED	HYDRATED BENTONITE
	10:35		B5C-1.5'	1.0	SP		CLAYEY SILT WITH SAND; BROWN; MOIST; SOFT; PLASTIC; NO ODORS; NO STAINING	
	10:48		B5C-3'	0.8	ML		POORLY GRADED SAND WITH SILT; FINE-GRAINED SAND; MOIST; LOOSE; RED MOTTLING; NO ODORS; NO STAINING	
							CLAYEY SILT WITH SAND; LIGHT BROWN; MOIST; STIFF; LOW PLASTICITY; RED MOTTLING; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B6

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 8:50	END: 9:00	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:52		B6-0.5'	152.0	ML		SANDY SILT; DARK BRONW;SOFT; MOIST; NON-PLASTIC; NO ODOR; NO STAINING; ORGANICS	HYDRATED BENTONITE
	8:55		B6-1.5'	109.0	ML		SAME AS ABOVE	
	9:00		B6-3'	145.7	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B7

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 9:20	END: 9:30	BORING DIAMETER: 3.25"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:23		B7-0.5'	2.6	ML		SANDY SILT; UNPAVED; MEDIUM BROWN; SOFT; MOIST; NON-PLASTIC; ORGANIC MATTER	HYDRATED BENTONITE
	9:25		B7-1.5'	4.3	ML		SAME AS ABOVE	
	9:30		B7-3'	7.8	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B8

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 9:35	END: 9:45	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:37		B8-0.5'	0.7	ML		SANDY SILT; MEDIUM BROWN; SOFT; MOIST; NON-PLASTIC; NO ODOR; NO STAINING; ORAGNICS; CHUNKS OF BRINCK	HYDRATED BENTONITE
	9:40		B8-1.5'	1.0	ML		SAME AS ABOVE	
	9:45		B8-3'	1.2	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B9

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 07/10/2018	START: 9:50	END: 10:00	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED SOIL	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:52		B9-0.5'	0.5	ML		SANDY SILT WITH CLAY; MEDIUM BROWN; SOFT; MOIST; LOW PLASTICITY; ORANGE MOTTLING; NO ODOR; NO STAINING	HYDRATED BENTONITE
	9:55		B9-1.5'	0.4	ML		SAME AS ABOVE	
	10:00		B9-3'	1.0	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B10

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 10:05	END: 10:15	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:07		B10-0.5'	1.0	ML		SANDY SILT; MEDIUM BROWN; MOIST; SOFT; NON-PLASTIC; NO ODOR; NO STAINING	HYDRATED BENTONITE
	10:10		B10-1.5'	1.1	ML		SAME AS ABOVE	
	10:15		B10-3'	--	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B11

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 10:30	END: 10:40	BORING DIAMETER: 3.25"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:32		B11-0.5'	0.6	ML		CLAYEY SILT; REDDISH BROWN; SOFT; MOIST; PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	10:35		B11-1.5'	0.7	ML		SILT WITH TRACE CLAY; DARK BROWN; MOIST; NON-PLASTIC; NO ODORS; NO STAINING	
	10:40		B11-3'	0.9	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B11A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:35	END: 11:45	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:37		B11A-0.5'	2.2	ML		UNPAVED	HYDRATED BENTONITE
	11:40		B11A-1.5'	3.6	ML		CLAYEY SILT; BROWN; MOIST; SOFT; PLASTICITY; MICACEOUS; NO ODORS; NO STAINING SAME AS ABOVE	
	11:45		B11A-3'	2.6	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B11B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:50	END: 12:00	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:52		B11B-0.5'	2.6	ML		UNPAVED	HYDRATED BENTONITE
	11:55		B11B-1.5'	2.3	ML		SANDY SILT; DARK BROWN; MOIST; SOFT; NON-PLASTIC; NO ODORS; NO STAINING CLAYEY SILT; DARK BROWN; MOIST; SOFT; PLASTIC; NO ODORS; NO STAINING	

REFUSAL AT 1.5' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B11C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 12:05	END: 12:15	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: CONCRETE		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	12:07		B11C-0.5'	2.2	ML		6" CONCRETE	HYDRATED BENTONITE	
	12:10		B11C-1.5'	4.6	ML		SILTY SAND; FINE-GRAINED SAND; YELLOWISH BROWN; MOIST; LOOSE; MICACEOUS; NO ODORS; NO STAINING SAME AS ABOVE		
	12:15		B11C-3'	4.3	ML		SANDY SILT WITH CLAY; BROWN; MOIST; SOFT; LOW PLASTICITY; MICACEOUS; NO ODORS		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B12

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 11:30	END: 11:40	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: CONCRETE		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:32		B12-0.5'	0.5	CL		4" CONCRETE	
	11:35		B12-1.5'	0.5	ML		CLAYEY SILT; MEDIUM BROWN; SOFT; MOIST; PLASTIC; DARK BROWN; MOTTLING; NO ODOR; NO STAINING	HYDRATED BENTONITE
	11:40		B12-3'	0.0	ML		SILT; MEDIUM BROWN; SOFT; MOIST; LOW PLASTICITY; DARK BROWN; MOTTLING; NO ODOR; NO STAINING	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B13

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 12:10	END: 12:35	BORING DIAMETER: 1.5'	
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: LAR		TERMINAL DEPTH: 15' BGS	
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: 11.5' BGS	
LOGGED BY: DS	SURFACE: CONCRETE		STATIC GROUNDWATER: 11.5' BGS	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1							4" CONCRETE	
5	12:15		B13-5'	0.3	ML		CLAYEY SILT; DARK BROWN; SOFT; MOIST; PLASTIC; NO ODOR; NO STAINING	
10	12:15		B13-10'	0.8	ML		CLAYEY SILT; BLACK DISCOLORATION; VERY STIFF; MOIST; PLASTIC; SLIGHT HYDROCARBON ODOR	
							GROUNDWATER ENCOUNTERED AT 11.5' BGS	
15	12:35		B13-15'	0.4	ML		SAME AS ABOVE; SATURATED	

BORING TERMINATED AT 15' BGS; GROUNDWATER ENCOUNTERED AT 11.5' BGS  
BGS : BELOW GROUND SURFACE



# BORING B14

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 13:10	END: 13:15	BORING DIAMETER: 1.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: CONCRETE		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:12		B14-0.5'	0.5	ML		4" CONCRETE	
	13:13		B14-1.5'	0.7	ML		SILT; GRAYISH BROWN; MEDIUM STIFF/ STIFF; MOIST; LOW PLASTICITY; ORANGE MOTTLING; NO ODOR; NO STAINING	HYDRATED BENTONITE
	13:15		B14-3'	0.3	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B15

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 13:20	END: 13:25	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: LAR		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: CONCRETE		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:22		B15-0.5'	0.9	ML		4" CONCRETE	
	13:23		B15-1.5'	0.3	ML		SILT WITH TRACE CLAY; YELLOWISH BROWN; MEDIUM STIFFNESS; MOIST; LOW PLASTICITY	HYDRATED BENTONITE
	13:25		B15-3'	0.9	ML		SANDY SILT; REDDISH BROWN; SOFT; MOIST; NON-PLASTIC; NO ODOR; NO STAINING	
							SAME AS ABOVE; REDDISH BROWN AND ORANGE MOTTLING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B16

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/10/2018	START: 13:30	END: 13:40	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: LAR		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:33		B16-0.5'	1.7	ML		SANDY SILT; DARK BROWN; SOFT; MOIST; NON-PLASTIC; NO ODOR; NO STAINING	HYDRATED BENTONITE
	13:35		B16-1.5'	0.2	ML		SAME AS ABOVE	
	13:40		B16-3'	--	ML		SANDY SILT WITH CLAY; LIGHT BROWN; STIFF; LOW PLASTICITY; NO ODOR; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B17

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 13:45	END: 13:55	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:47		B15-0.5'	1.0	ML		3" ASPHALT	
	13:50		B15-1.5'	0.8	CL		CLAYEY SILT; DARK BROWN; STIFF; MOIST; NO PLASTICITY; DARK GRAY MOTTLING; NO ODOR	HYDRATED BENTONITE
							SILTY CLAY; BLACK; STIFF; MOIST; PLASTIC; NO ODORS	
	13:55		B15-3'	0.6	CL		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B18

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 14:05	END: 14:15	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:07		B16-0.5'	3.1	ML		SANDY SILT; GRAYISH BROWN; MOIST; SOFT; NON-PLASTIC; NO ODOR; NO STAINING	HYDRATED BENTONITE
	14:10		B16-1.5'	4.8	ML		SAME AS ABOVE; DARK; BROWN	
	14:15		B16-3'	180	SM		SILTY SAND; FINE-GRAINED SAND; LIGHT BROWN; MOIST; LOOSE; ORGANICS; NO ODOR; NO DISCOLORATION	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B19

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 14:30	END: 14:35	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:32		B19-0.5'	1.0	ML		3" ASPHALT	
	14:33		B19-1.5'	0.8	ML		CLAYEY SILT; MEDIUM BROWN; SOFT; MOIST; PLASTIC; NO ODORS; NO DISCOLORATION	HYDRATED BENTONITE
	14:35		B19-3'	0.6	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B20

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/10/2018		START: 14:40	END: 14:50	BORING DIAMETER: 1.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: --		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:41		B20-0.5'	151.8	ML		SANDY SILT; LIGHT BROWN; SOFT; MOIST; NON-PLASTIC; NO ODORS; NO STAINING	
	14:43		B20-1.5'	101.6	ML		SAME AS ABOVE	HYDRATED BENTONITE
	14:45		B20-3'	56.2	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B21

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 7:30	END: 7:33	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	7:31		B21-0.5'	0.7	ML		4" ASPHALT	
	7:32		B21-1.5'	0.8	ML		SAND SILT WITH CLAY; FINE-GRAINED SAND; MEDIUM BROWN; FIRM; LOW PLASTICITY; NO ODORS; NO STAINING	HYDRATED BENTONITE
	7:33		B21-3'	0.7	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B22

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 07/11/2018	START: 7:41	END: 7:43	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	7:41		B22-0.5'	0.4	ML		~3"-4" ASPHALT	HYDRATED BENTONITE
	7:42		B22-1.5'	0.6	ML		CLAYEY SILT WITH TRACE SAND; FINE-GRAINED SAND; BROWN; MOIST; PLASTIC; ORANGE; MOTTLING; NO STAINING; NO ODORS	
	7:43		B22-3'	0.6	CL		SAME AS ABOVE	
							SILTY CLAY; BROWN; MOIST; PLASTIC; ORANGE MOTTLING; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B23

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 7:51	END: 7:53	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:51		B23-0.5'	0.8	ML		~3" ASPHALT	
	9:52		B23-1.5'	1.0	ML		CLAYEY SILT WITH SAND; BROWN; FINE-GRAINED SAND; FIRM; MOIST; PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	9:53		B23-3'	112	ML		SAME AS ABOVE; HIGHER PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B24

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 8:05	END: 8:07	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:05		B24-0.5'	1.2	ML		~3" ASPHALT	
	8:06		B24-1.5'	1.0	ML		CLAYEY SILT WITH SAND; LIGHT BROWN; FINE-GRAINED SAND; FIRM; DRY; LOW PLASTICITY; NO ODORS; NO STAINING	HYDRATED BENTONITE
	8:07		B24-3'	0.9	ML		SAME AS ABOVE; HIGHER PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B25

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 8:40	END: 8:44	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:40		B25-0.5'	1.1	ML		~3" ASPHALT	
	8:42		B25-1.5'	1.5	ML		SANDY SILT; BROWN ; MOIST; LOW PLASTICITY; FIRM; NO ODORS; NO STAINING	HYDRATED BENTONITE
	8:44		B25-3'	1.7	ML		CLAYEY SILT WITH SAND; BROWN; MOIST; LOW PLASTICITY; FIRM; NO ODORS; NO STAINING	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B26

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 8:50	END: 8:56	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:50		B26-0.5'	1.9	ML		~3" ASPHALT	
	8:52		B26-1.5'	1.6	ML		CLAYEY SILT; BROWN; MOIST; MEDIUM PLASTICITY; FIRM; NO ODORS; NO STAINING	
	8:56		B26-3'	1.4	ML		CLAYEY SILT WITH SAND; BROWN; MOIST; LOW PLASTICITY; FIRM; NO ODORS; NO STAINING	HYDRATED BENTONITE
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B27

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 9:25	END: 9:29	BORING DIAMETER: 3.25"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:25		B27-0.5'	1.0	ML		~3" ASPHALT	
	9:27		B27-1.5'	0.9	ML		CLAYEY SILT WITH SAND; BROWN; MOIST; FIRM; FINE-GRAINED SAND; LOW/ MEDIUM PLASTICITY; NO ODORS; NO STAINING	HYDRATED BENTONITE
	9:29		B27-3'	0.9	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B28

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 9:43	END: 9:49	BORING DIAMETER: 3.25"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: CONCRETE		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:45		B28-0.5'	0.8	ML		~4" ASPHALT	
	9:47		B28-1.5'	1.0	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MOIST; SOFT; LOW PLASTICITY; NO ODORS; NO STAINING	HYDRATED BENTONITE
	9:49		B28-3'	1.2	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B29

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 9:58	END: 10:04	BORING DIAMETER: 3.25"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:00		B29-0.5'	1.3	ML		SANDY SILT; FINE-GRAINED SAND; GRAYISH BROWN; DRY; VERY FIRM; NON-PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	10:02		B29-1.5'	1.4	ML		FRACTURED BEDROCK; SILT STONE; LIGHT BROWN; DRY; NO ODORS; NO STAINING	
	10:04		B29-3'	1.6	ML		SANDY SILT; FINE-GRAINED SAND; GRAYISH BROWN; DRY VERY FIRM; NON-PLASTIC; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B30

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 10:14	END: 10:20	BORING DIAMETER: 3.25"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:16		B30-0.5'	1.9	CL		~3" ASPHALT	
	10:18		B30-1.5'	1.7	CL		SANDY CLAY; FINE TO COARSE-GRAINED SAND; BROWN; SOFT; MOIST; PLASTIC; ORANGE MOTTLING; NO ODORS; NO STAINING	HYDRATED BENTONITE
	10:20		B30-3'	1.0	CL		SAME AS ABOVE; LESS SAND	
							SAME AS ABOVE; DARKER BROWN	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B31

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: --	END: --	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:41		B31-0.5'	1.5	ML		~4-5" ASPHALT	
	10:43		B31-1.5'	1.9	CL		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MOIST; FIRM; LOW PLASTICITY; NO ODORS; NO STAINING	HYDRATED BENTONITE
	10:45		B31-3'	1.0	CL		SILTY CLAY WITH SAND; FINE-GRAINED SAND; BROWN; MOIST; SOFT; PLASTIC; NO ODORS; NO STAINING	
							SILTY CLAY; BROWN; MOIST; FIRM; PLASTIC; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B32

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 10:45	END: 10:52	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:48		B32-0.5'	1.1	ML		~4-5" ASPHALT	
	10:50		B32-1.5'	1.7	ML		SANDY SILT WITH CLAY; BROWN; MOIST; FIRM; LOW PLASTICITY; NO ODORS; NO STAINING	HYDRATED BENTONITE
	10:52		B32-3'	1.9	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B33

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 10:58	END: 11:04	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:00		B33-0.5'	1.8	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; DRY; FIRM; NON-PLASTIC; NO ODORS; NO DISCOLORATION	HYDRATED BENTONITE
	11:02		B33-1.5'	0.9	ML		SAME AS ABOVE; ORGANIC MATTER (TREE ROOTS)	
	11:04		B33-3'	0.7	ML		CLAYEY SILT WITH ORGANIC MATTER (TREE ROOTS); BROWN; DRY; VERY FIRM; NON-PLASTIC; NO ODORS; NO DISCOLORATION	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B34

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 11:15	END: 11:20	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: CONCRETE		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:15		B34-0.5'	0.6	ML		~4-5" CONCRETE	
	11:17		B34-1.5'	0.2	ML		SANDY SILT WITH CLAY; BROWN; DRY; LOW PLASTICITY; FIRM; FINE-GRAINED SAND; NO ODORS; NO STAINING	HYDRATED BENTONITE
	11:19		B34-3'	1.1	ML		SAME AS ABOVE	
							SAME AS ABOVE; DARK BROWN; MILD ODOR	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B35

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 11:50	END: 11:55	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: CONCRETE		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:51		B35-0.5'	1.4	SW		~3" CONCRETE	
	11:53		B35-1.5'	1.4	SM		WELL GRADED SAND WITH SILT AND GRAVEL GRAY; FINE TO COARSE-GRAINED SAND; DRY; LOOSE/ MEDIUM DENSE; NO ODORS; NO STAINING	HYDRATED BENTONITE
	11:55		B35-3'	1.3	SM		SILTY SAND; FINE TO COARSE-GRAINED SAND; BROWN; DRY; MEDIUM DENSE; NO ODORS; NO STAINING	
							SAME AS ABOVE; DARKER BROWN; MORE MOISTURE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B36

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 11:58	END: 12:04	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:00		B36-0.5'	2.7	ML		~4" ASPHALT	
	12:02		B36-1.5'	3.0	ML		SILT; LIGHT BROWN; DRY; FIRM/ VERY FIRM; NON-PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	12:04		B36-3'	2.2	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B37

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 12:10	END: 12:15	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:11		B37-0.5'	0.9	ML		SANDY SILT WITH ORGANIC MATTER (TREE ROOTS); GRAYISH BROWN ;DRY; FIRM; NON-PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	12:13		B37-1.5'	1.4	ML		SAME AS ABOVE	
	12:15		B37-3'	0.7	ML		SAME AS ABOVE WITH FRACTURED SILTSTONE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B37A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 12:20	END: 12:30	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 4.8' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1							3-4" ASPHALT		
							BASE		
	12:22		B37A-0.5'	24.4	ML		SANDY SILT WITH CLAY; BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING		
	12:25		B37A-1.5'	7.2	ML		SAME AS ABOVE		
	12:30		B37A-3'	3.7	ML		SAME AS ABOVE; DARK BROWN		

BORING TERMINATED AT 4.8' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B37B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 12:35	END: 12:45	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	12:37		B37B-0.5'	2.2	ML		3" ASPHALT		
	12:40		B37B-1.5'	5.0	ML		BASE		
	12:45		B37B-3'	7.9	ML		SANDY SILT; LIGHT BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE; MOIST  SAME AS ABOVE		

BORING TERMINATED AT 4.25' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B37C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 12:50	END: 13:00	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	12:52		B37C-0.5'	15.8	ML		UNPAVED	HYDRATED BENTONITE	
	12:55		B37C-1.5'	7.8	ML		SANDY SILT; BROWN; DRY; SOFT; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE; STIFF		
	13:00		B37C-3'	9.6	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B38

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 12:22	END: 12:28	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:24		B38-0.5'	1.5	ML		~3" ASPHALT	
	12:26		B38-1.5'	0.9	ML		SANDY SILT; DARK BROWN; MOIST; FIRM; DRY; NON-PLASTIC; WHITE MOTTLING; NO ODORS OR STAINING	HYDRATED BENTONITE
	12:28		B38-3'	1.3	ML		SAME AS ABOVE; MICACEOUS	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B39

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 12:38	END: 12:44	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:40		B39-0.5'	0.5	ML		~3-4" ASPHALT	
	12:42		B39-1.5'	0.7	ML		SANDY SILT; DARK BROWN; FIRM; DRY; NON-PLASTIC; NO ODORS; NO DISCOLORATION	HYDRATED BENTONITE
	12:44		B39-3'	0.9	ML		SAME AS ABOVE	
							SAME AS ABOVE; ORANGE MOTTLING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B40

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 12:48	END: 12:54	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:50		B40-0.5'	0.9	ML		~3.4" ASPHALT	
	12:52		B40-1.5'	0.3	ML		SANDY SILT; FINE-GRAINED SAND; DARK BROWN; MOIST; SOFT; NON-PLASTIC; NO ODORS; NO STAINING; MICACEOUS	HYDRATED BENTONITE
	12:54		B40-3'	0.7	ML		SAME AS ABOVE	
							SAME AS ABOVE; DRYER	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B41

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 12:58	END: 13:06	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:00		B41-0.5'	0.4	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; DRY; FIRM; NON-PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	13:02		B41-1.5'	0.5	ML		SAME AS ABOVE	
	13:04		B41-3'	0.4	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B41A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 7:40	END: 7:50	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	7:42		B41A-0.5'	0.8	ML		3" ASPHALT	HYDRATED BENTONITE	
	7:45		B41A-1.5'	0.2	ML		SANDY SILT; LIGHT BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE; MOIST		
	7:50		B41A-3'	0.2	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B41B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 7:55	END: 8:05	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	7:57		B41B-0.5'	0.2	ML		3" ASPHALT	HYDRATED BENTONITE	
	8:00		B41B-1.5'	0.8	ML		SANDY SILT; BROWN; MOIST; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE		
	8:05		B41B-3'	1.1	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B41C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 8:10	END: 8:20	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:12		B41C-0.5'	0.8	ML		3" ASPHALT	HYDRATED BENTONITE
	8:15		B41C-1.5'	1.8	ML		SANDY SILT; BROWN; BROWN; MOIST; MEDIUM STIFF; MICACEOUS; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	
	8:20		B41C-3'	1.5	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B42

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 13:46	END: 13:50	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:46		B42-0.5'	1.3	ML		SANDY SILT; BROWN; DRY; SOFT; VERY FINE-GRAINED SAND; MANY PLANT LITTER; MILD ODOR; NO STAINING	HYDRATED BENTONITE
	13:48		B42-1.5'	1.2	ML		SAME AS ABOVE	
	13:50		B42-3'	1.1	ML		SAME AS ABOVE; LIGHT BROWN	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B43

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 13:50	END: 14:04	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:00		B43-0.5'	0.5	ML		SILTY SAND; FINE-GRAINED SAND; BROWN; DRY; FIRM; NON-PLASTIC; NO ODOR; NO DISCOLORATION; ORGANIC MATTER (TREE ROOTS)	HYDRATED BENTONITE
	14:02		B43-1.5'	0.6	ML		SAME AS ABOVE; LESS TREE ROOTS	
	14:04		B43-3'	0.9	ML		SAME AS ABOVE; TRACE GRAVEL	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B43A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 8:50	END: 9:00	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:52		B43A-0.5'	3.8	ML		UNPAVED	HYDRATED BENTONITE
	8:55		B43A-1.5'	2.2	ML		SANDY SILT WITH TRACE GRAVEL AND TRACE ROOTS; BROWN; MOIST; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING	
							SAME AS ABOVE	
	9:00		B43A-3'	3.1	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B43B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 8:35	END: 8:45	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	8:37		B43B-0.5'	3.0	ML		UNPAVED	HYDRATED BENTONITE	
	8:40		B43B-1.5'	5.6	ML		SANDY SILT WITH TREE ROOTS; BROWN; MOIST; SOFT; NON-PLASTIC; NO ODORS; NO STAINING		
	8:45		B43B-3'	5.0	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B43C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:05	END: 9:15	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	++9:07		B43C-0.5'	3.4	ML		UNPAVED	HYDRATED BENTONITE	
	9:10		B43C-1.5'	3.9	ML		CLAYEY SILT WITH ROOTS; DARK BROWN; MOIST; SOFT; LOW PLASTICITY; NO ODORS; NO STAINING		
	9:15		B43C-3'	2.8	ML		SANDY SILT WITH TRACE GRAVEL AND ROOTS; BROWN; MOIST; NON-PLASTIC; NO ODORS; NO STAINING		
							SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B44

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 14:08	END: 14:14	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:10		B44-0.5'	0.5	ML		~3" ASPHALT	
	14:12		B44-1.5'	1.0	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; DRY; FIRM; LOW PLASTICITY	HYDRATED BENTONITE
	14:14		B44-3'	0.4	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE




DRAFT



# BORING B45

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 14:14	END: 14:20	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:16		B45-0.5'	0.5	CL		~3" ASPHALT	
	14:18		B45-1.5'	1.7	CL		SILTY CLAY WITH SAND; DARK BROWN; MOIST; STIFF; PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	14:20		B45-3'	0.5	CL		SAME AS ABOVE	
							SAME AS ABOVE; DARKER BROWN	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B46

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 14:30	END: 14:36	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:32		B46-0.5'	0.1	CL		~3" ASPHALT	
	14:34		B46-1.5'	1.5	ML		SILTY CLAY; BROWN; VERY STIFF; MOIST; MEDIUM PLASTICITY; MOTTLED WITH ORANGE-BROWN SILTSTONE; NO ODORS; NO DISCOLORATION	HYDRATED BENTONITE
							CLAYEY SILT; LIGHT BROWN; STIFF; MOIST; MEDIUM PLASTICITY; MOTTLED WITH ORANGE-BROWN SILTSTONE; NO ODORS; NO DISCOLORATION	
	14:36		B46-3'	0.4	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE




DRAFT



# BORING B47

PAGE  
1 OF  
1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 14:43	END: 14:50	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:46		B47-0.5'	0.3	CL		~3-4" ASPHALT	
	14:48		B47-1.5'	0.0	CL		SILTY CLAY; BROWN; STIFF; MOIST; MEDIUM PLASTICITY; NO ODORS; NO DISCOLORATION	HYDRATED BENTONITE
	14:50		B47-3'	0.1	CL		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE




DRAFT



# BORING B48

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364		PROJECT NO.: 9836003557	
DATE(S) DRILLED: 07/11/2018	START: 14:54	END: 15:00	BORING DIAMETER: 1.5"
DRILLING METHOD: DIRECT PUSH	DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: KEHOE	SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:56		B48-0.5'	0.5	CL		~3-4" ASPHALT	
	14:58		B48-1.5'	0.7	CL		SILTY CLAY WITH SAND; FINE-GRAINED SAND; LIGHT BROWN; MOIST; MEDIUM PLASTICITY	HYDRATED BENTONITE
	15:00		B48-3'	0.5	CL		SAME AS ABOVE; MOTTLED WITH ORANGE/ BROWN SILTSTONE	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B49

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 07/11/2018		START: 15:02	END: 15:08	BORING DIAMETER: 1.5"	
DRILLING METHOD: DIRECT PUSH		DRILLING RIG: TRUCK		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: KEHOE		SAMPLING METHOD: ACETATE		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	15:04		B49-0.5'	1.4	ML		~3" ASPHALT	
	15:06		B49-1.5'	1.0	ML		CLAYEY SILT WITH SAND; FINE-GRAINED SAND; BROWN; MOIST; FIRM; LOW PLASTICITY; NO ODORS; NO DISCOLORATION	HYDRATED BENTONITE
	15:08		B49-3'	0.3	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE

DRAFT



# BORING B49A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 9:00	END: 9:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:02		B49A-0.5'	1.4	ML		3-4" ASPHALT	HYDRATED BENTONITE
	9:05		B49A-1.5'	1.6	ML		CLAYEY SILT WITH SAND; REDDISH BROWN; MOIST; FIRM; NON-PLASTIC; MICACEOUS; NO ODORS; NO STAINING	
	9:10		B49A-3'	0.3	ML		SANDY SILT; REDDISH BROWN; MOIST; SOFT; NON-PLASTIC; MICACEOUS; NO ODORS; NO STAINING	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B49B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:15	END: 9:25	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: CONCRETE		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:18		B49B-0.5'	0.8	ML		3-4" CONCRETE	HYDRATED BENTONITE
	9:20		B49B-1.5'	1.7	ML		SANDY SILT; REDDISH BROWN; MOIST; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING SANDY SILT WITH CLAY; BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING	
	9:25		B49B-3'	1.1	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B49C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:30	END: 9:40	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:32		B49C-0.5'	1.6	ML		UNPAVED SANDY SILT; REDDISH BROWN; MOIST; SOFT; MICACEOUS; NO ODORS; NO STAINING	HYDRATED BENTONITE	
	9:35		B49C-1.5'	1.4	ML		SAME AS ABOVE		
	9:40		B49C-3'	3.6	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B50

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:15	END: 9:25	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:17		B50-0.5'	2.6	ML		6" ASPHALT	HYDRATED BENTONITE	
	9:20		B50-1.5'	2.5	ML		SANDY SILT; BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE		
	9:25		B50-3'	2.6	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B51

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:30	END: 9:40	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:32		B51-0.5'	2.4	ML		4" ASPHALT	HYDRATED BENTONITE	
	9:35		B51-1.5'	3.1	ML		SANDY SILT; BROWN; MOIST; SOFT; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE		
	9:40		B51-3'	3.8	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B52

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:45	END: 9:55	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:47		B52-0.5'	2.8	ML		6-7" ASPHALT	HYDRATED BENTONITE	
	9:50		B52-1.5'	3.4	ML		SANDY SILT; LIGHT BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE; DARK BROWN		
	9:55		B52-3'	4.8	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B52A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 9:00	END: 9:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:00		B52A-0.5'	0.5	ML		3" ASPHALT	HYDRATED BENTONITE
	9:05		B52A-1.5'	1.0	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; DRY; LOW PLASTICITY; MEDIUM STIFF SAME AS ABOVE	
	9:10		B52A-3'	1.5	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B52B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:15	END: 9:25	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:15		B52B-0.5'	0.7	ML		3" ASPHALT	HYDRATED BENTONITE	
	9:20		B52B-1.5'	1.2	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; DRY; LOW PLASTICITY; MEDIUM DENSE SAME AS ABOVE		
	9:25		B52B-3'	0.7	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

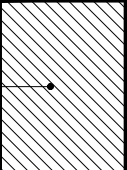
BGS : BELOW GROUND SURFACE



# BORING B52C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:30	END: 9:40	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	--		B52C-0.5'	1.0	ML		3" ASPHALT	HYDRATED BENTONITE	
	--		B52C-1.5'	0.3	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; DRY; LOW PLASTICITY; MEDIUM STIFF SAME AS ABOVE		
	--		B52C-3'	0.1	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B53

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 9:55	END: 10:00	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 1.5' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:57 10:00		B53-0.5' B53-1.5'	1.8 0.8	ML ML		UNPAVED SANDY SILT WITH GRAVEL; BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	HYDRATED BENTONITE

REFUSAL AT 1.5' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B54

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:05	END: 10:15	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:07		B54-0.5'	1.6	ML		5" ASPHALT	HYDRATED BENTONITE
	10:10		B54-1.5'	0.9	ML		SANDY SILT; BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	
	10:15		B54-3'	1.4	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B55

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:20	END: 10:30	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:22		B55-0.5'	0.9	SP		UNPAVED	HYDRATED BENTONITE
	10:25		B55-1.5'	0.6	SP		POORLY GRADED SAND WITH SILT; BROWN; FINE TO COARSE-GRAINED SAND; LOOSE; DRY; NO ODORS; NO STAINING	
	10:30		B55-3'	0.4	SW		POORLY GRADED SAND; GRAY; DRY; LOOSE; FINE TO MEDIUM-GRAINED SAND; NO ODORS; NO STAINING	
							WELL-GRADED SAND; LIGHT GRAY; FINE TO COARSE-GRAINED SAND; LOOSE; DRY; NO ODORS; NO STAINING	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B56

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 10:35	END: 10:45	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:37		B56-0.5'	1.4	ML		UNPAVED	HYDRATED BENTONITE	
	10:40		B56-1.5'	0.9	ML		SANDY SILT; BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING; INCLUDES PIECES OF WOOD		
	10:45		B56-3'	1.2	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B57

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 10:50	END: 11:00	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:52		B57-0.5'	0.4	CL		4" ASPHALT		
	10:55		B57-1.5'	0.2	CL		SILTY CLAY; BROWN; MOIST; MEDIUM STIFF; PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE		
	11:00		B57-3'	0.2	CL		SAME AS ABOVE; SOFT		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B58

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 12:20	END: 12:30	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:22		B58-0.5'	0.4	ML		4" ASPHALT	HYDRATED BENTONITE
	12:25		B58-1.5'	0.3	ML		SANDY SILT; BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	
	12:30		B58-3'	0.8	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B59

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 13:00	END: 13:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	13:02		B59-0.5'	0.4	ML		4" ASPHALT	HYDRATED BENTONITE	
	13:05		B59-1.5'	1.0	CL		CLAYEY SILT; BROWN; MOIST; SOFT; MEDIUM TO LOW PLASTICITY; NO ODORS; NO STAINING		
							SANDY CLAY; BROWN; MOIST; SOFT; PLASTIC; NO ODORS; NO STAINING		
	13:10		B59-3'	1.8	ML		CLAYEY SILT; BROWN; MOIST; SOFT; LOW PLASTICITY; NO ODORS; NO STAINING		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B60

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 13:15	END: 13:25	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: ASPHALT	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:17		B60-0.5'	0.6	ML		4" ASPHALT	HYDRATED BENTONITE
	13:20		B60-1.5'	0.8	ML		SANDY SILT; BROWN; MOIST; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	
	13:22		B60-3'	0.3	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B61

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 13:30	END: 13:40	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:32		B61-0.5'	1.3	ML		UNPAVED	HYDRATED BENTONITE
	13:35		B61-1.5'	1.0	ML		SANDY SILT; BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	
	13:40		B61-3'	1.0	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B61A

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:40	END: 10:50	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:40		B61A-0.5'	27.1	ML		UNPAVED	HYDRATED BENTONITE	
	10:45		B61A-1.5'	4.6	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY		
							SAME AS ABOVE		
	10:50		B61A-3'	7.1	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B61B

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 10:55	END: 11:05	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:55		B61B-0.5'	15.2	ML		UNPAVED SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MOIST; MEDIUM STIFF; LOW PLASTICITY SAME AS ABOVE	HYDRATED BENTONITE	
	11:00		B61B-1.5'	5.0	ML				
	11:05		B61B-3'	34.1	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B61C

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:10	END: 11:20	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:10		B61C-0.5'	40.7	ML		UNPAVED	HYDRATED BENTONITE
	11:15		B61C-1.5'	2.9	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; LOW PLASTICITY	
	11:20		B61C-3'	5.9	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B62

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 13:45	END: 13:55	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 1' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:47		B62-0.5'	1.2	ML		4" ASPHALT	HYDRATED BENTONITE
							CLAYEY SILT; DARK BROWN; MOIST; SOFT; LOW PLASTICITY; NO ODORS; NO STAINING	

REFUSAL AT 1' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B63

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 14:00	END: 14:10	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 1.5' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:02		B63-0.5'	3.4	ML		UNPAVED	
	14:05		B63-1.5'	3.9	ML		SANDY SILT; BROWN; DRY; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE; WITH GRAVEL	HYDRATED BENTONITE

REFUSAL AT 1.5' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B64

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 14:15	END: 14:25	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	14:17		B64-0.5'	0.8	ML		UNPAVED	HYDRATED BENTONITE
	14:20		B64-1.5'	0.4	ML		SANDY SILT; BROWN; DRY; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE	
	14:25		B64-3'	1.0	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B65

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 14:30	END: 14:40	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	14:32		B65-0.5'	0.7	ML		UNPAVED	HYDRATED BENTONITE	
	14:35		B65-1.5'	1.4	ML		SANDY SILT; BROWN; DRY; MEDIUM STIFF; NON-PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE		
	14:40		B65-3'	1.5	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B66

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 14:45	END: 14:55	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: ASPHALT		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	14:47		B66-0.5'	0.9	ML		5" ASPHALT	HYDRATED BENTONITE	
	14:50		B66-1.5'	1.4	ML		CLAYEY SILT; DARK BROWN; MOIST; ORANGE MOTTLING; STIFF; MICACEOUS; PLASTIC; NO ODORS; NO STAINING SAME AS ABOVE		
	14:55		B66-3'	1.9	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B67

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 15:00	END: 15:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: UNPAVED	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	15:02		B67-0.5'	2.7	ML		UNPAVED SANDY SILT; BROWN; DRY; STIFF; NON-PLASTIC; NO ODORS; NO STAINING	HYDRATED BENTONITE
	15:05		B67-1.5'	3.0	ML		SAME AS ABOVE	
	15:10		B67-3'	2.7	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B68

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 12:40	END: 12:45	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:40		B68-0.5'	6.3	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	12:45		B68- 2'	2.2	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B69

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 12:50	END: 12:55	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:10		B69-0.5'	6.5	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	12:55		B69- 2'	3.3	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B70

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:00	END: 9:05	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:00		B70-0.5'	4.4	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	9:05		B70- 2'	1.4	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY  SAME AS ABOVE; LIGHT BROWN	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B71

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:10	END: 9:15	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:10		B71-0.5'	8.0	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	9:15		B71- 2'	2.5	ML		CLAYEY SILT; BROWN; STIFF; MOIST; MEDIUM PLASTICITY  SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B72

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:20	END: 9:25	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:20		B72-0.5'	2.5	ML		1.5" GRASS ROOTS SANDY SILT; FINE-GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	HYDRATED BENTONITE
	9:25		B72- 2'	1.0	ML		CLAYEY SILT; BROWN; STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B73

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 12:40	END: 12:45	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:40		B73-0.5'	2.9	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	12:45		B73- 2'	3.8	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B74

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 13:00	END: 13:05	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:00		B74-0.5'	5.4	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	13:05		B74- 2'	3.8	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B75

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 13:30	END: 13:35	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:30		B75-0.5'	6.2	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	13:35		B75- 2'	3.2	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B76

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:40	END: 9:45	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:40		B76-0.5'	0.2	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	9:45		B76- 2'	0.4	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY  SANDY SILT; FINE-GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B77

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:30	END: 9:35	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:30		B77-0.5'	1.5	CL		1.5" GRASS ROOTS	HYDRATED BENTONITE
							CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
	9:35		B77- 2'	0.4	CL		SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B78

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 12:20	END: 12:35	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	12:30		B78-0.5'	2.0	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	12:35		B78- 2'	1.8	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B79

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 13:10	END: 13:15	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:10		B79-0.5'	3.2	ML		1.5" GRASS ROOTS	
	13:15		B79- 2'	2.4	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	HYDRATED BENTONITE
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B80

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 13:20	END: 13:25	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: UNPAVED		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	13:20		B80-0.5'	5.8	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	13:25		B80- 2'	2.9	ML		SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B81

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:50	END: 9:55	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:50		B81-0.5'	0.6	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	9:55		B81- 2'	1.1	ML		SANDY SILT; LIGHT BROWN; STIFF; DRY; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B82

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:00	END: 10:05	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: DS	SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:00		B82-0.5'	1.2	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	10:05		B82- 2'	0.3	ML		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; LOW PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 2' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B83

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:15	END: 10:25	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:15		B83-0.5'	8.3	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	10:20		B83-1.5'	4.4	SW		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
	10:25		B83-3'	7.3	CH		WELL GRADED SAND; FINE TO COARSE-GRAINED SAND; BROWN; LOOSE; MOIST	
							CLAY; BROWN; STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B84

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:00	END: 10:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:00		B84-0.5'	6.0	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	10:05		B84-1.5'	6.9	ML		SILT WITH SAND; BROWN; MEDIUM STIFF; LOW PLASTICITY; MOIST SAME AS ABOVE	
	10:10		B84-3'	4.1	CH		CLAY; BROWN; STIFF; HIGH PLASTICITY; MOIST	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B85

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:45	END: 9:55	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	9:45		B85-0.5'	30.8	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	9:50		B85-1.5'	0.7	ML		CLAYEY SILT; BROWN ;VERY STIFF; MEDIUM PLASTICITY; MOIST SAME AS ABOVE	
	9:55		B85-3'	12.0	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B86

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:30	END: 9:40	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:30		B86-0.5'	6.2	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE	
	9:35		B86-1.5'	7.4	ML		SANDY SILT WITH CLAY; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY CLAYEY SILT; BROWN; STIFF; MEDIUM PLASTICITY; MOIST		
	9:40		B86-3'	17.8	ML		SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B87

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 9:15	END: 9:19	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	9:15		B87-0.5'	8.2	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE	
	9:17		B87-1.5'	7.2	CL		CLAYEY SILT; BROWN; MEDIUM STIFF; LOW PLASTICITY; MOIST		
	9:19		B87-3'	9.6	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MEDIUM PLASTICITY; MOIST		
							SAME AS ABOVE		

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B88

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 8:50	END: 8:58	BORING DIAMETER: 3.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: GRASS ROOTS		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	8:50		B88-0.5'	3.0	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE	
	8:52		B88-1.5'	3.2	CL		SILT; BROWN; STIFF; LOW PLASTICITY; MOIST		
	8:54		B88-3'	9.0	CL		SILTY CLAY; BROWN; STIFF; MEDIUM PLASTICITY; MOIST		
							SAME AS ABOVE		


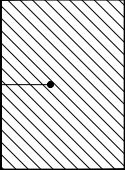

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B89

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 8:50	END: 8:58	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	8:50		B89-0.5'	3.0	CH		1.5" GRASS ROOTS	<div>HYDRATED BENTONITE</div> 
	8:52		B89-1.5'	3.4	SW		CLAY; BROWN; MEDIUM STIFF; HIGH PLASTICITY; MOIST	
	8:54		B89-3'	2.9	SW		WELL GRAINED SAND; FINE TO COARSE-GRAINED SAND; BROWN; LOOSE; MOIST	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B90

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:30	END: 10:40	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:30		B90-0.5'	9.5	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE
	10:35		B90-1.5'	7.3	ML		SILT WITH CLAY; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY SAME AS ABOVE	
	10:40		B90-3'	0.7	ML		SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B91

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 10:45	END: 10:55	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	10:45		B91-0.5'	7.2	ML		1.5" GRASS ROOTS	HYDRATED BENTONITE →
	10:50		B91-1.5'	7.7	CH		CLAYEY SILT; BROWN; STIFF; MOIST; LOW PLASTICITY	
	10:55		B91-3'	7.4	ML		CLAY; BROWN; STIFF; MOIST; HIGH PLASTICITY	
							SILT WITH CLAY; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B92

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:00	END: 11:10	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:00		B92-0.5'	4.1	CL		1.5" GRASS ROOTS	<div>HYDRATED BENTONITE</div>
	11:05		B92-1.5'	5.3	CH		SILTY CLAY; BROWN ;STIFF; MOIST; MEDIUM PLASTICITY	
							CLAY; BROWN; STIFF; MOIST; HIGH PLASTICITY	
	11:10		B92-3'	2.4	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B93

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:15	END: 11:25	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:15		B93-0.5'	3.5	CL		1.5" GRASS ROOTS	HYDRATED BENTONITE →
	11:20		B93-1.5'	0.4	CH		CLAY WITH SILT; BROWN; STIFF; MOIST; MEDIUM PLASTICITY	
	11:25		B93-3'	6.6	SC		CLAY; BROWN; STIFF; MOIST; HIGH PLASTICITY	
							CLAYEY SAND; FINE TO COARSE-GRAINED SAND; BROWN; MEDIUM DENSE; MOIST	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED


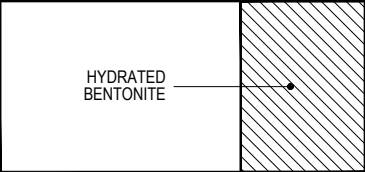


BGS : BELOW GROUND SURFACE



# BORING B94

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557
DATE(S) DRILLED: 08/09/2019	START: 11:30	END: 11:40	BORING DIAMETER: 3.5"
DRILLING METHOD: HAND AUGER	DRILLING RIG: --	TERMINAL DEPTH: 3' BGS	
DRILLING CONTRACTOR: MUNOZ	SAMPLING METHOD: GLASS JAR	1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS	SURFACE: GRASS ROOTS	STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION
1	11:10		B94-0.5'	12.3	CL		1.5" GRASS ROOTS	
	11:35		B94-1.5'	6.4	CH		SILTY CLAY; BROWN; STIFF; MOIST; MEDIUM PLASTICITY	
	11:40		B94-3'	8.4	CH		CLAY; BROWN; VERY STIFF; MOIST; HIGH PLASTICITY	
							SAME AS ABOVE	

BORING TERMINATED AT 3' BGS; NO GROUNDWATER ENCOUNTERED  
BGS : BELOW GROUND SURFACE



# BORING B95

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 10:25	END: 10:40	BORING DIAMETER: 2.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 6' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:25		B95-0.5'	6.1	ML		3" ASPHALT	HYDRATED BENTONITE	
	10:30		B95-1.5'	4.6	CL		SANDY SILT WITH CLAY; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY		
							SILTY CLAY; BROWN; STIFF; MOIST; MEDIUM PLASTICITY		
	10:35		B95-3'	5.0	CL		SAME AS ABOVE		
5	10:40		B95-6'	6.9	CL		SAME AS ABOVE		

BORING TERMINATED AT 6' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE



# BORING B96

PAGE  
1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE., WOODLAND HILLS, CA 91364			PROJECT NO.: 9836003557		
DATE(S) DRILLED: 08/09/2019		START: 10:25	END: 10:40	BORING DIAMETER: 2.5"	
DRILLING METHOD: HAND AUGER		DRILLING RIG: --		TERMINAL DEPTH: 6' BGS	
DRILLING CONTRACTOR: MUNOZ		SAMPLING METHOD: GLASS JAR		1ST ENCOUNTERED GROUNDWATER: N/A	
LOGGED BY: DS		SURFACE: UNPAVED		STATIC GROUNDWATER: N/A	

DEPTH (FEET)	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGICAL SYMBOL	DESCRIPTION	COMPLETION	
1	10:25		B96-0.5'	6.2	ML		5" ASPHALT	HYDRATED BENTONITE	
	10:30		B96-1.5'	2.2	ML		SILTY SAND; FINE TO MEDIUM-GRAINED SAND; BROWN; MEDIUM DENSE; MOIST SANDY SILT; FINE-GRAINED SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY		
	10:35		B96-3'	4.0	ML		SAME AS ABOVE		
5	10:40		B96-6'	3.5	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY		

BORING TERMINATED AT 6' BGS; NO GROUNDWATER ENCOUNTERED

BGS : BELOW GROUND SURFACE

**APPENDIX B**

**LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION**



Calscience



**WORK ORDER NUMBER: 18-07-0682**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** Taft Charter High School

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 07/24/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: Taft Charter High School  
Work Order Number: 18-07-0682

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	6
4	Client Sample Data. . . . .	18
	4.1 EPA 8015B (M) C6-C44 (Solid). . . . .	18
	4.2 EPA 8015B (M) C6-C44 (Aqueous). . . . .	21
	4.3 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	23
	4.4 EPA 6010B/7470A CAC Title 22 Metals (Aqueous). . . . .	39
	4.5 EPA 6020 ICP/MS Metals (Aqueous). . . . .	40
	4.6 EPA 6020 ICP/MS Metals (Solid). . . . .	41
	4.7 EPA 7470A Mercury (Aqueous). . . . .	44
	4.8 EPA 7471A Mercury (Solid). . . . .	45
	4.9 EPA 8081A Organochlorine Pesticides (Solid). . . . .	49
	4.10 EPA 8081A Organochlorine Pesticides (Aqueous). . . . .	73
	4.11 EPA 8082 PCB Aroclors (Solid). . . . .	75
	4.12 EPA 8082 PCB Aroclors (Aqueous). . . . .	77
	4.13 EPA 8260B Volatile Organics (Aqueous). . . . .	78
	4.14 EPA 8260B Volatile Organics (Solid). . . . .	87
	4.15 EPA 8260B Volatile Organics Prep 5035 (Solid). . . . .	96
5	Quality Control Sample Data. . . . .	105
	5.1 MS/MSD. . . . .	105
	5.2 PDS/PDSD. . . . .	120
	5.3 LCS/LCSD. . . . .	123
6	Sample Analysis Summary. . . . .	141
7	Glossary of Terms and Qualifiers. . . . .	142
8	Chain-of-Custody/Sample Receipt Form. . . . .	143

Work Order: 18-07-0682

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/11/18. They were assigned to Work Order 18-07-0682.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-07-0682
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number: 9836003557
	Date/Time Received: 07/11/18 17:30
Attn: Desi Salgado	Number of Containers: 85

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B1-0.5	18-07-0682-1	07/10/18 07:25	1	Solid
B1-1.5	18-07-0682-2	07/10/18 07:28	1	Solid
B1-3	18-07-0682-3	07/10/18 07:31	1	Solid
B2-0.5	18-07-0682-4	07/10/18 07:42	1	Solid
B2-1.5	18-07-0682-5	07/10/18 07:47	1	Solid
B2-3	18-07-0682-6	07/10/18 07:50	1	Solid
B3-0.5	18-07-0682-7	07/10/18 07:58	1	Solid
B3-1.5	18-07-0682-8	07/10/18 08:02	1	Solid
B3-3	18-07-0682-9	07/10/18 08:05	1	Solid
B4-0.5	18-07-0682-10	07/10/18 08:23	1	Solid
B4-1.5	18-07-0682-11	07/10/18 08:25	1	Solid
B4-3	18-07-0682-12	07/10/18 08:30	1	Solid
B5-0.5	18-07-0682-13	07/10/18 08:38	1	Solid
B5-0.5-DUP	18-07-0682-14	07/10/18 08:38	1	Solid
B5-1.5	18-07-0682-15	07/10/18 08:41	1	Solid
B5-3	18-07-0682-16	07/10/18 08:45	1	Solid
B6-0.5	18-07-0682-17	07/10/18 08:52	1	Solid
B6-1.5	18-07-0682-18	07/10/18 08:55	1	Solid
B6-3	18-07-0682-19	07/10/18 09:00	1	Solid
B7-0.5	18-07-0682-20	07/10/18 09:23	1	Solid
B7-1.5	18-07-0682-21	07/10/18 09:25	1	Solid
B7-3	18-07-0682-22	07/10/18 09:30	1	Solid
B8-0.5	18-07-0682-23	07/10/18 09:37	1	Solid
B8-1.5	18-07-0682-24	07/10/18 09:40	1	Solid
B8-3	18-07-0682-25	07/10/18 09:45	1	Solid
B9-0.5	18-07-0682-26	07/10/18 09:52	1	Solid
B9-0.5DUP	18-07-0682-27	07/10/18 09:52	1	Solid
B9-1.5	18-07-0682-28	07/10/18 09:55	1	Solid
B9-3	18-07-0682-29	07/10/18 10:00	1	Solid
B10-0.5	18-07-0682-30	07/10/18 10:07	1	Solid
B10-0.5DUP	18-07-0682-31	07/10/18 10:07	1	Solid
B10-1.5	18-07-0682-32	07/10/18 10:10	1	Solid
B10-3	18-07-0682-33	07/10/18 10:15	1	Solid
B11-0.5	18-07-0682-34	07/10/18 10:32	1	Solid
B11-1.5	18-07-0682-35	07/10/18 10:35	1	Solid
B11-3	18-07-0682-36	07/10/18 10:40	1	Solid
B12-0.5	18-07-0682-37	07/10/18 11:32	1	Solid
B12-1.5	18-07-0682-38	07/10/18 11:35	1	Solid
B12-3	18-07-0682-39	07/10/18 11:40	1	Solid
B13-5	18-07-0682-40	07/10/18 12:15	5	Solid
B13-10	18-07-0682-41	07/10/18 12:25	5	Solid
B13-15	18-07-0682-42	07/10/18 12:35	5	Solid

[Return to Contents](#)



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-07-0682
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number: 9836003557
	Date/Time Received: 07/11/18 17:30
	Number of Containers: 85
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B14-0.5	18-07-0682-43	07/10/18 13:12	1	Solid
B14-1.5	18-07-0682-44	07/10/18 13:13	1	Solid
B14-3	18-07-0682-45	07/10/18 13:15	1	Solid
B15-0.5	18-07-0682-46	07/10/18 13:22	1	Solid
B15-1.5	18-07-0682-47	07/10/18 13:23	1	Solid
B15-3	18-07-0682-48	07/10/18 13:25	1	Solid
B16-0.5	18-07-0682-49	07/10/18 13:33	1	Solid
B16-1.5	18-07-0682-50	07/10/18 13:35	1	Solid
B16-3	18-07-0682-51	07/10/18 13:40	1	Solid
B17-0.5	18-07-0682-52	07/10/18 13:47	1	Solid
B17-1.5	18-07-0682-53	07/10/18 13:50	1	Solid
B17-3	18-07-0682-54	07/10/18 13:55	1	Solid
B18-0.5	18-07-0682-55	07/10/18 14:07	1	Solid
B18-1.5	18-07-0682-56	07/10/18 14:10	1	Solid
B18-3	18-07-0682-57	07/10/18 14:15	1	Solid
B19-0.5	18-07-0682-58	07/10/18 14:32	1	Solid
B19-1.5	18-07-0682-59	07/10/18 14:33	1	Solid
B19-3	18-07-0682-60	07/10/18 14:35	1	Solid
B20-0.5	18-07-0682-61	07/10/18 14:41	1	Solid
B20-1.5	18-07-0682-62	07/10/18 14:43	1	Solid
B20-3	18-07-0682-63	07/10/18 14:45	1	Solid
TB-1	18-07-0682-64	07/10/18 00:00	2	Aqueous
EB-1	18-07-0682-65	07/10/18 00:00	8	Aqueous

[Return to Contents](#)



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 1 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B1-0.5 (18-07-0682-1)						
Barium	129		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.503		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.23		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.53		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	30.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	13.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.05		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.19		1.00	mg/kg	EPA 6020	EPA 3050B
B2-0.5 (18-07-0682-4)						
Barium	137		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.335		0.246	mg/kg	EPA 6010B	EPA 3050B
Chromium	15.2		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.8		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	33.7		0.485	mg/kg	EPA 6010B	EPA 3050B
Lead	58.2		0.485	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.31		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	14.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	79.4		0.971	mg/kg	EPA 6010B	EPA 3050B
Arsenic	16.5		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0826		0.0806	mg/kg	EPA 7471A	EPA 7471A Total
4,4'-DDE	41		24	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	27		4.9	ug/kg	EPA 8081A	EPA 3545

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 2 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B3-0.5 (18-07-0682-7)						
Barium	92.3		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.440		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.567		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.8		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.28		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	38.0		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	3.71		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	14.7		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	18.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.43		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	75.4		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.88		1.00	mg/kg	EPA 6020	EPA 3050B
B4-0.5 (18-07-0682-10)						
Barium	143		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.454		0.254	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.47		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.9		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.89		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	32.3		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	54.4		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.84		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.0		0.254	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.840		0.761	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.7		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	147		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.62		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	160		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	28		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	28		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 3 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B5-0.5 (18-07-0682-13)						
Barium	141		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.440		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.33		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.2		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.4		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	38.9		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	22.5		0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.81		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.5		0.262	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.41		0.785	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.0		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	145		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.96		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.166		0.0877	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	76		49	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	7.9		4.9	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	5.3		4.9	ug/kg	EPA 8081A	EPA 3545
Dieldrin	74		24	ug/kg	EPA 8081A	EPA 3545
B5-0.5-DUP (18-07-0682-14)						
Barium	161		0.521	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.384		0.260	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.17		0.521	mg/kg	EPA 6010B	EPA 3050B
Chromium	23.3		0.260	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.54		0.260	mg/kg	EPA 6010B	EPA 3050B
Copper	40.1		0.521	mg/kg	EPA 6010B	EPA 3050B
Lead	25.2		0.521	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.83		0.260	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.3		0.260	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.43		0.781	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.1		0.260	mg/kg	EPA 6010B	EPA 3050B
Zinc	146		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.35		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	61		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	7.5		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	8.1		5.0	ug/kg	EPA 8081A	EPA 3545
Dieldrin	67		25	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 4 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B6-0.5 (18-07-0682-17)						
Barium	152		0.490	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.598		0.245	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.23		0.490	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.0		0.245	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.53		0.245	mg/kg	EPA 6010B	EPA 3050B
Copper	22.9		0.490	mg/kg	EPA 6010B	EPA 3050B
Lead	16.5		0.490	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.21		0.245	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.8		0.245	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.44		0.735	mg/kg	EPA 6010B	EPA 3050B
Vanadium	34.7		0.245	mg/kg	EPA 6010B	EPA 3050B
Zinc	65.9		0.980	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.34		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	65		50	ug/kg	EPA 8081A	EPA 3545
B7-0.5 (18-07-0682-20)						
Barium	212		0.513	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.483		0.256	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.40		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.4		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.40		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	42.2		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	7.58		0.513	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.27		0.256	mg/kg	EPA 6010B	EPA 3050B
Nickel	36.4		0.256	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.22		0.769	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.8		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	89.6		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.89		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 5 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B8-0.5 (18-07-0682-23)						
Barium	145		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.523		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.17		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.9		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.99		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	28.7		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	13.1		0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.11		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.2		0.262	mg/kg	EPA 6010B	EPA 3050B
Vanadium	34.2		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	64.2		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	11.5		1.00	mg/kg	EPA 6020	EPA 3050B
B9-0.5 (18-07-0682-26)						
Barium	163		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.426		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.24		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.5		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.67		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	30.5		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	13.5		0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.74		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	27.5		0.262	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.874		0.785	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.1		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	106		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	23.9		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.187		0.0847	mg/kg	EPA 7471A	EPA 7471A Total
4,4'-DDE	9.0		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	10		5.0	ug/kg	EPA 8081A	EPA 3545

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 6 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B9-0.5DUP (18-07-0682-27)						
Barium	139		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.387		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.09		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.88		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	31.2		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	12.0		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.39		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.7		0.246	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.24		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	30.8		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	115		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	28.4		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	7.4		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	7.9		5.0	ug/kg	EPA 8081A	EPA 3545
B10-0.5 (18-07-0682-30)						
Barium	85.6		0.521	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.345		0.260	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.946		0.521	mg/kg	EPA 6010B	EPA 3050B
Chromium	14.5		0.260	mg/kg	EPA 6010B	EPA 3050B
Cobalt	4.36		0.260	mg/kg	EPA 6010B	EPA 3050B
Copper	22.3		0.521	mg/kg	EPA 6010B	EPA 3050B
Lead	24.9		0.521	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.28		0.260	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.7		0.260	mg/kg	EPA 6010B	EPA 3050B
Vanadium	22.6		0.260	mg/kg	EPA 6010B	EPA 3050B
Zinc	58.1		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.3		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 7 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B10-0.5DUP (18-07-0682-31)						
Barium	97.4		0.513	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.352		0.256	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.973		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	13.9		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.22		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	21.2		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	17.7		0.513	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.63		0.256	mg/kg	EPA 6010B	EPA 3050B
Nickel	18.7		0.256	mg/kg	EPA 6010B	EPA 3050B
Vanadium	25.3		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	51.7		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	11.1		1.00	mg/kg	EPA 6020	EPA 3050B
B11-0.5 (18-07-0682-34)						
Barium	129		0.510	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.389		0.255	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.817		0.510	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.8		0.255	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.76		0.255	mg/kg	EPA 6010B	EPA 3050B
Copper	48.2		0.510	mg/kg	EPA 6010B	EPA 3050B
Lead	9.05		0.510	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.45		0.255	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.6		0.255	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.52		0.765	mg/kg	EPA 6010B	EPA 3050B
Vanadium	30.4		0.255	mg/kg	EPA 6010B	EPA 3050B
Zinc	90.3		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	21.1		1.00	mg/kg	EPA 6020	EPA 3050B

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 8 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B12-0.5 (18-07-0682-37)						
Barium	153		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.402		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.17		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	29.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.0		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	34.7		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	5.44		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.71		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.9		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.28		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	34.1		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	71.8		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.84		1.00	mg/kg	EPA 6020	EPA 3050B
B13-5 (18-07-0682-40)						
Arsenic	5.44		0.743	mg/kg	EPA 6010B	EPA 3050B
Barium	93.0		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.380		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.984		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	22.4		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	4.94		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	32.7		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	3.83		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.99		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.2		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.23		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	24.5		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	69.2		0.990	mg/kg	EPA 6010B	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 9 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B13-10 (18-07-0682-41)						
Arsenic	4.08		0.714	mg/kg	EPA 6010B	EPA 3050B
Barium	244		0.476	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.543		0.238	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.816		0.476	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.5		0.238	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.28		0.238	mg/kg	EPA 6010B	EPA 3050B
Copper	27.6		0.476	mg/kg	EPA 6010B	EPA 3050B
Lead	4.20		0.476	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.96		0.238	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.3		0.238	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.977		0.714	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.3		0.238	mg/kg	EPA 6010B	EPA 3050B
Zinc	38.1		0.952	mg/kg	EPA 6010B	EPA 3050B
B14-0.5 (18-07-0682-43)						
Barium	165		0.476	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.275		0.238	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.575		0.476	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.3		0.238	mg/kg	EPA 6010B	EPA 3050B
Cobalt	4.14		0.238	mg/kg	EPA 6010B	EPA 3050B
Copper	50.2		0.476	mg/kg	EPA 6010B	EPA 3050B
Lead	8.41		0.476	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.85		0.238	mg/kg	EPA 6010B	EPA 3050B
Nickel	13.7		0.238	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.31		0.714	mg/kg	EPA 6010B	EPA 3050B
Silver	0.246		0.238	mg/kg	EPA 6010B	EPA 3050B
Vanadium	22.4		0.238	mg/kg	EPA 6010B	EPA 3050B
Zinc	56.1		0.952	mg/kg	EPA 6010B	EPA 3050B
Arsenic	1.49		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 10 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B15-0.5 (18-07-0682-46)						
Barium	58.4		0.510	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.321		0.255	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.513		0.510	mg/kg	EPA 6010B	EPA 3050B
Chromium	31.3		0.255	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.29		0.255	mg/kg	EPA 6010B	EPA 3050B
Copper	40.8		0.510	mg/kg	EPA 6010B	EPA 3050B
Lead	2.38		0.510	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	13.1		0.255	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.1		0.255	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.51		0.765	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.3		0.255	mg/kg	EPA 6010B	EPA 3050B
Zinc	86.1		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.1		1.00	mg/kg	EPA 6020	EPA 3050B
B16-0.5 (18-07-0682-49)						
Barium	98.0		0.478	mg/kg	EPA 6010B	EPA 3050B
Chromium	10.4		0.239	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.97		0.239	mg/kg	EPA 6010B	EPA 3050B
Copper	12.6		0.478	mg/kg	EPA 6010B	EPA 3050B
Lead	20.6		0.478	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.472		0.239	mg/kg	EPA 6010B	EPA 3050B
Nickel	10.5		0.239	mg/kg	EPA 6010B	EPA 3050B
Vanadium	23.5		0.239	mg/kg	EPA 6010B	EPA 3050B
Zinc	40.6		0.957	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.05		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.115		0.0847	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	74		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	500		100	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	32		5.0	ug/kg	EPA 8081A	EPA 3545
Dieldrin	15		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 11 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B17-0.5 (18-07-0682-52)						
Barium	98.0		0.478	mg/kg	EPA 6010B	EPA 3050B
Chromium	10.4		0.239	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.97		0.239	mg/kg	EPA 6010B	EPA 3050B
Copper	12.6		0.478	mg/kg	EPA 6010B	EPA 3050B
Lead	20.6	B	0.478	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.472		0.239	mg/kg	EPA 6010B	EPA 3050B
Nickel	10.5		0.239	mg/kg	EPA 6010B	EPA 3050B
Vanadium	23.5		0.239	mg/kg	EPA 6010B	EPA 3050B
Zinc	40.6		0.957	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.1		1.00	mg/kg	EPA 6020	EPA 3050B
B18-0.5 (18-07-0682-55)						
Barium	137		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.335		0.246	mg/kg	EPA 6010B	EPA 3050B
Chromium	15.2		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.8		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	17.8		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	8.81	B	0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.31		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	14.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	61.4		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.32		1.00	mg/kg	EPA 6020	EPA 3050B
B19-0.5 (18-07-0682-58)						
Antimony	0.758		0.754	mg/kg	EPA 6010B	EPA 3050B
Barium	92.0		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	6.31		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.44		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	10.7		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	23.2	B	0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.895		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	9.61		0.251	mg/kg	EPA 6010B	EPA 3050B
Vanadium	23.7		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.0		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.1		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 12 of 12

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B20-0.5 (18-07-0682-61)						
Antimony	1.15		0.785	mg/kg	EPA 6010B	EPA 3050B
Barium	130		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.348		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.914		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.3		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.39		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	25.9		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	25.6	B	0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.24		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.5		0.262	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.9		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	111		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.24		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.164		0.0794	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	360		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	7.8		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	12		5.0	ug/kg	EPA 8081A	EPA 3545

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-5</b>	<b>18-07-0682-40-A</b>	<b>07/10/18 12:15</b>	<b>Solid</b>	<b>GC 50</b>	<b>07/16/18</b>	<b>07/16/18 20:24</b>	<b>180716B01B</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
C6	ND	5.2	1.00	
C7	ND	5.2	1.00	
C8	ND	5.2	1.00	
C9-C10	ND	5.2	1.00	
C11-C12	ND	5.2	1.00	
C13-C14	ND	5.2	1.00	
C15-C16	ND	5.2	1.00	
C17-C18	ND	5.2	1.00	
C19-C20	ND	5.2	1.00	
C21-C22	ND	5.2	1.00	
C23-C24	ND	5.2	1.00	
C25-C28	ND	5.2	1.00	
C29-C32	ND	5.2	1.00	
C33-C36	ND	5.2	1.00	
C37-C40	ND	5.2	1.00	
C41-C44	ND	5.2	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-10</b>	<b>18-07-0682-41-A</b>	<b>07/10/18 12:25</b>	<b>Solid</b>	<b>GC 50</b>	<b>07/16/18</b>	<b>07/16/18 20:44</b>	<b>180716B01B</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	104	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-490-3184	N/A	Solid	GC 50	07/16/18	07/16/18 18:07	180716B01B

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-F	07/10/18 00:00	Aqueous	GC 47	07/16/18	07/17/18 17:38	180716B06

Parameter	Result	RL	DF	Qualifiers
C6	ND	100	1.00	
C7	ND	100	1.00	
C8	ND	100	1.00	
C9-C10	ND	100	1.00	
C11-C12	ND	100	1.00	
C13-C14	ND	100	1.00	
C15-C16	ND	100	1.00	
C17-C18	ND	100	1.00	
C19-C20	ND	100	1.00	
C21-C22	ND	100	1.00	
C23-C24	ND	100	1.00	
C25-C28	ND	100	1.00	
C29-C32	ND	100	1.00	
C33-C36	ND	100	1.00	
C37-C40	ND	100	1.00	
C41-C44	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-498-619	N/A	Aqueous	GC 47	07/16/18	07/17/18 12:12	180716B06

Parameter	Result	RL	DF	Qualifiers
C6	ND	100	1.00	
C7	ND	100	1.00	
C8	ND	100	1.00	
C9-C10	ND	100	1.00	
C11-C12	ND	100	1.00	
C13-C14	ND	100	1.00	
C15-C16	ND	100	1.00	
C17-C18	ND	100	1.00	
C19-C20	ND	100	1.00	
C21-C22	ND	100	1.00	
C23-C24	ND	100	1.00	
C25-C28	ND	100	1.00	
C29-C32	ND	100	1.00	
C33-C36	ND	100	1.00	
C37-C40	ND	100	1.00	
C41-C44	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B1-0.5</b>	<b>18-07-0682-1-A</b>	<b>07/10/18 07:25</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:34</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	129	0.500	1.00	
Beryllium	0.503	0.250	1.00	
Cadmium	1.23	0.500	1.00	
Chromium	20.9	0.250	1.00	
Cobalt	8.53	0.250	1.00	
Copper	30.2	0.500	1.00	
Lead	13.5	0.500	1.00	
Molybdenum	2.05	0.250	1.00	
Nickel	30.0	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	31.9	0.250	1.00	
Zinc	68.4	1.00	1.00	

<b>B2-0.5</b>	<b>18-07-0682-4-A</b>	<b>07/10/18 07:42</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:35</b>	<b>180716L04</b>
---------------	-----------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	137	0.493	0.985	
Beryllium	0.335	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	15.2	0.246	0.985	
Cobalt	10.8	0.246	0.985	
Copper	33.7	0.485	0.971	
Lead	58.2	0.485	0.971	
Molybdenum	1.31	0.246	0.985	
Nickel	14.0	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	35.0	0.246	0.985	
Zinc	79.4	0.971	0.971	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3-0.5</b>	<b>18-07-0682-7-A</b>	<b>07/10/18 07:58</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:36</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	92.3	0.498	0.995	
Beryllium	0.440	0.249	0.995	
Cadmium	0.567	0.498	0.995	
Chromium	27.8	0.249	0.995	
Cobalt	6.28	0.249	0.995	
Copper	38.0	0.498	0.995	
Lead	3.71	0.498	0.995	
Molybdenum	14.7	0.249	0.995	
Nickel	18.4	0.249	0.995	
Selenium	4.43	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	ND	0.746	0.995	
Vanadium	31.4	0.249	0.995	
Zinc	75.4	0.995	0.995	

<b>B4-0.5</b>	<b>18-07-0682-10-A</b>	<b>07/10/18 08:23</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:36</b>	<b>180716L04</b>
---------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.761	1.02	
Barium	143	0.508	1.02	
Beryllium	0.454	0.254	1.02	
Cadmium	1.47	0.508	1.02	
Chromium	24.9	0.254	1.02	
Cobalt	6.89	0.254	1.02	
Copper	32.3	0.508	1.02	
Lead	54.4	0.508	1.02	
Molybdenum	2.84	0.254	1.02	
Nickel	22.0	0.254	1.02	
Selenium	0.840	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	32.7	0.254	1.02	
Zinc	147	1.02	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5-0.5</b>	<b>18-07-0682-13-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:37</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.785	1.05	
Barium	141	0.524	1.05	
Beryllium	0.440	0.262	1.05	
Cadmium	1.33	0.524	1.05	
Chromium	24.2	0.262	1.05	
Cobalt	12.4	0.262	1.05	
Copper	38.9	0.524	1.05	
Lead	22.5	0.524	1.05	
Molybdenum	5.81	0.262	1.05	
Nickel	29.5	0.262	1.05	
Selenium	1.41	0.785	1.05	
Silver	ND	0.262	1.05	
Thallium	ND	0.785	1.05	
Vanadium	32.0	0.262	1.05	
Zinc	145	1.05	1.05	

<b>B5-0.5-DUP</b>	<b>18-07-0682-14-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:38</b>	<b>180716L04</b>
-------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.781	1.04	
Barium	161	0.521	1.04	
Beryllium	0.384	0.260	1.04	
Cadmium	1.17	0.521	1.04	
Chromium	23.3	0.260	1.04	
Cobalt	7.54	0.260	1.04	
Copper	40.1	0.521	1.04	
Lead	25.2	0.521	1.04	
Molybdenum	6.83	0.260	1.04	
Nickel	26.3	0.260	1.04	
Selenium	2.43	0.781	1.04	
Silver	ND	0.260	1.04	
Thallium	ND	0.781	1.04	
Vanadium	31.1	0.260	1.04	
Zinc	146	1.04	1.04	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 4 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B6-0.5</b>	<b>18-07-0682-17-A</b>	<b>07/10/18 08:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:40</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.735	0.980	
Barium	152	0.490	0.980	
Beryllium	0.598	0.245	0.980	
Cadmium	1.23	0.490	0.980	
Chromium	20.0	0.245	0.980	
Cobalt	7.53	0.245	0.980	
Copper	22.9	0.490	0.980	
Lead	16.5	0.490	0.980	
Molybdenum	2.21	0.245	0.980	
Nickel	25.8	0.245	0.980	
Selenium	2.44	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	34.7	0.245	0.980	
Zinc	65.9	0.980	0.980	

<b>B7-0.5</b>	<b>18-07-0682-20-A</b>	<b>07/10/18 09:23</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:41</b>	<b>180716L04</b>
---------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.769	1.03	
Barium	212	0.513	1.03	
Beryllium	0.483	0.256	1.03	
Cadmium	1.40	0.513	1.03	
Chromium	26.4	0.256	1.03	
Cobalt	8.40	0.256	1.03	
Copper	42.2	0.513	1.03	
Lead	7.58	0.513	1.03	
Molybdenum	4.27	0.256	1.03	
Nickel	36.4	0.256	1.03	
Selenium	2.22	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	31.8	0.256	1.03	
Zinc	89.6	1.03	1.03	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 5 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B8-0.5</b>	<b>18-07-0682-23-A</b>	<b>07/10/18 09:37</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:41</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.785	1.05	
Barium	145	0.524	1.05	
Beryllium	0.523	0.262	1.05	
Cadmium	1.17	0.524	1.05	
Chromium	18.9	0.262	1.05	
Cobalt	6.99	0.262	1.05	
Copper	28.7	0.524	1.05	
Lead	13.1	0.524	1.05	
Molybdenum	2.11	0.262	1.05	
Nickel	23.2	0.262	1.05	
Selenium	ND	0.785	1.05	
Silver	ND	0.262	1.05	
Thallium	ND	0.785	1.05	
Vanadium	34.2	0.262	1.05	
Zinc	64.2	1.05	1.05	

<b>B9-0.5</b>	<b>18-07-0682-26-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:42</b>	<b>180716L04</b>
---------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.785	1.05	
Barium	163	0.524	1.05	
Beryllium	0.426	0.262	1.05	
Cadmium	1.24	0.524	1.05	
Chromium	20.5	0.262	1.05	
Cobalt	7.67	0.262	1.05	
Copper	30.5	0.524	1.05	
Lead	13.5	0.524	1.05	
Molybdenum	2.74	0.262	1.05	
Nickel	27.5	0.262	1.05	
Selenium	0.874	0.785	1.05	
Silver	ND	0.262	1.05	
Thallium	ND	0.785	1.05	
Vanadium	32.1	0.262	1.05	
Zinc	106	1.05	1.05	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 6 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B9-0.5DUP</b>	<b>18-07-0682-27-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:43</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	139	0.493	0.985	
Beryllium	0.387	0.246	0.985	
Cadmium	1.09	0.493	0.985	
Chromium	19.1	0.246	0.985	
Cobalt	5.88	0.246	0.985	
Copper	31.2	0.493	0.985	
Lead	12.0	0.493	0.985	
Molybdenum	4.39	0.246	0.985	
Nickel	24.7	0.246	0.985	
Selenium	2.24	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	30.8	0.246	0.985	
Zinc	115	0.985	0.985	

<b>B10-0.5</b>	<b>18-07-0682-30-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:43</b>	<b>180716L04</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.781	1.04	
Barium	85.6	0.521	1.04	
Beryllium	0.345	0.260	1.04	
Cadmium	0.946	0.521	1.04	
Chromium	14.5	0.260	1.04	
Cobalt	4.36	0.260	1.04	
Copper	22.3	0.521	1.04	
Lead	24.9	0.521	1.04	
Molybdenum	1.28	0.260	1.04	
Nickel	16.7	0.260	1.04	
Selenium	ND	0.781	1.04	
Silver	ND	0.260	1.04	
Thallium	ND	0.781	1.04	
Vanadium	22.6	0.260	1.04	
Zinc	58.1	1.04	1.04	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 7 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B10-0.5DUP</b>	<b>18-07-0682-31-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:44</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.769	1.03	
Barium	97.4	0.513	1.03	
Beryllium	0.352	0.256	1.03	
Cadmium	0.973	0.513	1.03	
Chromium	13.9	0.256	1.03	
Cobalt	5.22	0.256	1.03	
Copper	21.2	0.513	1.03	
Lead	17.7	0.513	1.03	
Molybdenum	1.63	0.256	1.03	
Nickel	18.7	0.256	1.03	
Selenium	ND	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	25.3	0.256	1.03	
Zinc	51.7	1.03	1.03	

<b>B11-0.5</b>	<b>18-07-0682-34-A</b>	<b>07/10/18 10:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:45</b>	<b>180716L04</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.765	1.02	
Barium	129	0.510	1.02	
Beryllium	0.389	0.255	1.02	
Cadmium	0.817	0.510	1.02	
Chromium	28.8	0.255	1.02	
Cobalt	6.76	0.255	1.02	
Copper	48.2	0.510	1.02	
Lead	9.05	0.510	1.02	
Molybdenum	5.45	0.255	1.02	
Nickel	22.6	0.255	1.02	
Selenium	2.52	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	30.4	0.255	1.02	
Zinc	90.3	1.02	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 8 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B12-0.5</b>	<b>18-07-0682-37-A</b>	<b>07/10/18 11:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:45</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	153	0.498	0.995	
Beryllium	0.402	0.249	0.995	
Cadmium	1.17	0.498	0.995	
Chromium	29.4	0.249	0.995	
Cobalt	11.0	0.249	0.995	
Copper	34.7	0.498	0.995	
Lead	5.44	0.498	0.995	
Molybdenum	5.71	0.249	0.995	
Nickel	29.9	0.249	0.995	
Selenium	1.28	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	ND	0.746	0.995	
Vanadium	34.1	0.249	0.995	
Zinc	71.8	0.995	0.995	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 9 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-5</b>	<b>18-07-0682-40-A</b>	<b>07/10/18 12:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:46</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Arsenic	5.44	0.743	0.990	
Barium	93.0	0.495	0.990	
Beryllium	0.380	0.248	0.990	
Cadmium	0.984	0.495	0.990	
Chromium	22.4	0.248	0.990	
Cobalt	4.94	0.248	0.990	
Copper	32.7	0.495	0.990	
Lead	3.83	0.495	0.990	
Molybdenum	7.99	0.248	0.990	
Nickel	30.2	0.248	0.990	
Selenium	3.23	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	24.5	0.248	0.990	
Zinc	69.2	0.990	0.990	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 10 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-10</b>	<b>18-07-0682-41-A</b>	<b>07/10/18 12:25</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:48</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.714	0.952	
Arsenic	4.08	0.714	0.952	
Barium	244	0.476	0.952	
Beryllium	0.543	0.238	0.952	
Cadmium	0.816	0.476	0.952	
Chromium	18.5	0.238	0.952	
Cobalt	7.28	0.238	0.952	
Copper	27.6	0.476	0.952	
Lead	4.20	0.476	0.952	
Molybdenum	1.96	0.238	0.952	
Nickel	24.3	0.238	0.952	
Selenium	0.977	0.714	0.952	
Silver	ND	0.238	0.952	
Thallium	ND	0.714	0.952	
Vanadium	39.3	0.238	0.952	
Zinc	38.1	0.952	0.952	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 11 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B14-0.5</b>	<b>18-07-0682-43-A</b>	<b>07/10/18 13:12</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:49</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.714	0.952	
Barium	165	0.476	0.952	
Beryllium	0.275	0.238	0.952	
Cadmium	0.575	0.476	0.952	
Chromium	24.3	0.238	0.952	
Cobalt	4.14	0.238	0.952	
Copper	50.2	0.476	0.952	
Lead	8.41	0.476	0.952	
Molybdenum	2.85	0.238	0.952	
Nickel	13.7	0.238	0.952	
Selenium	1.31	0.714	0.952	
Silver	0.246	0.238	0.952	
Thallium	ND	0.714	0.952	
Vanadium	22.4	0.238	0.952	
Zinc	56.1	0.952	0.952	

<b>B15-0.5</b>	<b>18-07-0682-46-A</b>	<b>07/10/18 13:22</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:50</b>	<b>180716L04</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.765	1.02	
Barium	58.4	0.510	1.02	
Beryllium	0.321	0.255	1.02	
Cadmium	0.513	0.510	1.02	
Chromium	31.3	0.255	1.02	
Cobalt	7.29	0.255	1.02	
Copper	40.8	0.510	1.02	
Lead	2.38	0.510	1.02	
Molybdenum	13.1	0.255	1.02	
Nickel	16.1	0.255	1.02	
Selenium	1.51	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	32.3	0.255	1.02	
Zinc	86.1	1.02	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 12 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B16-0.5</b>	<b>18-07-0682-49-A</b>	<b>07/10/18 13:33</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/17/18 11:34</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.718	0.957	
Barium	98.0	0.478	0.957	
Beryllium	ND	0.239	0.957	
Cadmium	ND	0.478	0.957	
Chromium	10.4	0.239	0.957	
Cobalt	5.97	0.239	0.957	
Copper	12.6	0.478	0.957	
Lead	20.6	0.478	0.957	
Molybdenum	0.472	0.239	0.957	
Nickel	10.5	0.239	0.957	
Selenium	ND	0.718	0.957	
Silver	ND	0.239	0.957	
Thallium	ND	0.718	0.957	
Vanadium	23.5	0.239	0.957	
Zinc	40.6	0.957	0.957	

<b>B17-0.5</b>	<b>18-07-0682-52-A</b>	<b>07/10/18 13:47</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:34</b>	<b>180716L05</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.718	0.957	
Barium	98.0	0.478	0.957	
Beryllium	ND	0.239	0.957	
Cadmium	ND	0.478	0.957	
Chromium	10.4	0.239	0.957	
Cobalt	5.97	0.239	0.957	
Copper	12.6	0.478	0.957	
Lead	20.6	0.478	0.957	B
Molybdenum	0.472	0.239	0.957	
Nickel	10.5	0.239	0.957	
Selenium	ND	0.718	0.957	
Silver	ND	0.239	0.957	
Thallium	ND	0.718	0.957	
Vanadium	23.5	0.239	0.957	
Zinc	40.6	0.957	0.957	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 13 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B18-0.5</b>	<b>18-07-0682-55-A</b>	<b>07/10/18 14:07</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:36</b>	<b>180716L05</b>

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Barium	137	0.493	0.985	
Beryllium	0.335	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	15.2	0.246	0.985	
Cobalt	10.8	0.246	0.985	
Copper	17.8	0.493	0.985	
Lead	8.81	0.493	0.985	B
Molybdenum	1.31	0.246	0.985	
Nickel	14.0	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	35.0	0.246	0.985	
Zinc	61.4	0.985	0.985	

<b>B19-0.5</b>	<b>18-07-0682-58-A</b>	<b>07/10/18 14:32</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:36</b>	<b>180716L05</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

Parameter	Result	RL	DF	Qualifiers
Antimony	0.758	0.754	1.01	
Barium	92.0	0.503	1.01	
Beryllium	ND	0.251	1.01	
Cadmium	ND	0.503	1.01	
Chromium	6.31	0.251	1.01	
Cobalt	5.44	0.251	1.01	
Copper	10.7	0.503	1.01	
Lead	23.2	0.503	1.01	B
Molybdenum	0.895	0.251	1.01	
Nickel	9.61	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	23.7	0.251	1.01	
Zinc	46.0	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 14 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B20-0.5</b>	<b>18-07-0682-61-A</b>	<b>07/10/18 14:41</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:37</b>	<b>180716L05</b>
<u>Parameter</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>	
Antimony	1.15		0.785	1.05			
Barium	130		0.524	1.05			
Beryllium	0.348		0.262	1.05			
Cadmium	0.914		0.524	1.05			
Chromium	20.3		0.262	1.05			
Cobalt	8.39		0.262	1.05			
Copper	25.9		0.524	1.05			
Lead	25.6		0.524	1.05		B	
Molybdenum	2.24		0.262	1.05			
Nickel	16.5		0.262	1.05			
Selenium	ND		0.785	1.05			
Silver	ND		0.262	1.05			
Thallium	ND		0.785	1.05			
Vanadium	31.9		0.262	1.05			
Zinc	111		1.05	1.05			

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 15 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26654	N/A	Solid	ICP 8300	07/16/18	07/21/18 16:22	180716L04

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	ND	0.732	0.976	
Barium	ND	0.488	0.976	
Beryllium	ND	0.244	0.976	
Cadmium	ND	0.488	0.976	
Chromium	ND	0.244	0.976	
Cobalt	ND	0.244	0.976	
Copper	ND	0.488	0.976	
Lead	ND	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	ND	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	ND	0.244	0.976	
Zinc	ND	0.976	0.976	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 16 of 16

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26621	N/A	Solid	ICP 7300	07/16/18	07/17/18 17:08	180716L05

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.761	1.02	
Barium	ND	0.508	1.02	
Beryllium	ND	0.254	1.02	
Cadmium	ND	0.508	1.02	
Chromium	ND	0.254	1.02	
Cobalt	ND	0.254	1.02	
Copper	ND	0.508	1.02	
Lead	0.682	0.508	1.02	
Molybdenum	ND	0.254	1.02	
Nickel	ND	0.254	1.02	
Selenium	ND	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	ND	0.254	1.02	
Zinc	ND	1.02	1.02	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3010A Total  
Method: EPA 6010B  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-G	07/10/18 00:00	Aqueous	ICP 7300	07/19/18	07/19/18 11:20	180718LA2

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

Method Blank	097-01-003-16973	N/A	Aqueous	ICP 7300	07/18/18	07/20/18 10:42	180718LA2
--------------	------------------	-----	---------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	0.0321	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3020A Total  
Method: EPA 6020  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-G	07/10/18 00:00	Aqueous	ICP/MS 05	07/18/18	07/20/18 02:46	180718LA1A

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	0.00100	1.00	

Method Blank	096-06-003-5945	N/A	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:03	180718LA1A
--------------	-----------------	-----	---------	-----------	----------	----------------	------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	0.00100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B1-0.5</b>	<b>18-07-0682-1-A</b>	<b>07/10/18 07:25</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:23</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.19	1.00		1.00		
<b>B2-0.5</b>	<b>18-07-0682-4-A</b>	<b>07/10/18 07:42</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:27</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		16.5	1.00		1.00		
<b>B3-0.5</b>	<b>18-07-0682-7-A</b>	<b>07/10/18 07:58</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:43</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.88	1.00		1.00		
<b>B4-0.5</b>	<b>18-07-0682-10-A</b>	<b>07/10/18 08:23</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:48</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.62	1.00		1.00		
<b>B5-0.5</b>	<b>18-07-0682-13-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:52</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.96	1.00		1.00		
<b>B5-0.5-DUP</b>	<b>18-07-0682-14-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:56</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.35	1.00		1.00		
<b>B6-0.5</b>	<b>18-07-0682-17-A</b>	<b>07/10/18 08:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:00</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.34	1.00		1.00		
<b>B7-0.5</b>	<b>18-07-0682-20-A</b>	<b>07/10/18 09:23</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:04</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.89	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B8-0.5</b>	<b>18-07-0682-23-A</b>	<b>07/10/18 09:37</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:08</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		11.5	1.00		1.00		
<b>B9-0.5</b>	<b>18-07-0682-26-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:12</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		23.9	1.00		1.00		
<b>B9-0.5DUP</b>	<b>18-07-0682-27-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:16</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		28.4	1.00		1.00		
<b>B10-0.5</b>	<b>18-07-0682-30-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:20</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.3	1.00		1.00		
<b>B10-0.5DUP</b>	<b>18-07-0682-31-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:36</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		11.1	1.00		1.00		
<b>B11-0.5</b>	<b>18-07-0682-34-A</b>	<b>07/10/18 10:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:41</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		21.1	1.00		1.00		
<b>B12-0.5</b>	<b>18-07-0682-37-A</b>	<b>07/10/18 11:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:45</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.84	1.00		1.00		
<b>B14-0.5</b>	<b>18-07-0682-43-A</b>	<b>07/10/18 13:12</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:49</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		1.49	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B15-0.5</b>	<b>18-07-0682-46-A</b>	<b>07/10/18 13:22</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:53</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.1		1.00	1.00		
<b>B16-0.5</b>	<b>18-07-0682-49-A</b>	<b>07/10/18 13:33</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 23:57</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.05		1.00	1.00		
<b>B17-0.5</b>	<b>18-07-0682-52-A</b>	<b>07/10/18 13:47</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 22:03</b>	<b>180716L05</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.1		1.00	1.00		
<b>B18-0.5</b>	<b>18-07-0682-55-A</b>	<b>07/10/18 14:07</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/19/18 00:01</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.32		1.00	1.00		
<b>B19-0.5</b>	<b>18-07-0682-58-A</b>	<b>07/10/18 14:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/19/18 00:05</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.1		1.00	1.00		
<b>B20-0.5</b>	<b>18-07-0682-61-A</b>	<b>07/10/18 14:41</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/19/18 00:09</b>	<b>180716L05</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.24		1.00	1.00		
<b>Method Blank</b>	<b>099-15-621-1691</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 20:33</b>	<b>180716L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		ND		1.00	1.00		
<b>Method Blank</b>	<b>099-15-621-1690</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 20:33</b>	<b>180716L05</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		ND		1.00	1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7470A Total  
Method: EPA 7470A  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-G	07/10/18 00:00	Aqueous	Mercury 07	07/19/18	07/19/18 16:16	180719LA2

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.000500	1.00	

Method Blank	099-04-008-8632	N/A	Aqueous	Mercury 07	07/19/18	07/19/18 15:49	180719LA2
--------------	-----------------	-----	---------	------------	----------	----------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.000500	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B1-0.5</b>	<b>18-07-0682-1-A</b>	<b>07/10/18 07:25</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:19</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0847		1.00		
<b>B2-0.5</b>	<b>18-07-0682-4-A</b>	<b>07/10/18 07:42</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:26</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0826	0.0806		1.00		
<b>B3-0.5</b>	<b>18-07-0682-7-A</b>	<b>07/10/18 07:58</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:33</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		
<b>B4-0.5</b>	<b>18-07-0682-10-A</b>	<b>07/10/18 08:23</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:35</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0806		1.00		
<b>B5-0.5</b>	<b>18-07-0682-13-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:37</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.166	0.0877		1.00		
<b>B5-0.5-DUP</b>	<b>18-07-0682-14-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:40</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		
<b>B6-0.5</b>	<b>18-07-0682-17-A</b>	<b>07/10/18 08:52</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:42</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0862		1.00		
<b>B7-0.5</b>	<b>18-07-0682-20-A</b>	<b>07/10/18 09:23</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:44</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B8-0.5</b>	<b>18-07-0682-23-A</b>	<b>07/10/18 09:37</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:46</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B9-0.5</b>	<b>18-07-0682-26-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:49</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.187		0.0847		1.00	
<b>B9-0.5DUP</b>	<b>18-07-0682-27-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:51</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0877		1.00	
<b>B10-0.5</b>	<b>18-07-0682-30-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:53</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B10-0.5DUP</b>	<b>18-07-0682-31-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:00</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0847		1.00	
<b>B11-0.5</b>	<b>18-07-0682-34-A</b>	<b>07/10/18 10:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:02</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B12-0.5</b>	<b>18-07-0682-37-A</b>	<b>07/10/18 11:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:05</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0806		1.00	
<b>B13-5</b>	<b>18-07-0682-40-A</b>	<b>07/10/18 12:15</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:07</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0877		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-10</b>	<b>18-07-0682-41-A</b>	<b>07/10/18 12:25</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:09</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B14-0.5</b>	<b>18-07-0682-43-A</b>	<b>07/10/18 13:12</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:12</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		
<b>B15-0.5</b>	<b>18-07-0682-46-A</b>	<b>07/10/18 13:22</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:14</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.000862		1.00		
<b>B16-0.5</b>	<b>18-07-0682-49-A</b>	<b>07/10/18 13:33</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:16</b>	<b>180718L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.115	0.0847		1.00		
<b>B17-0.5</b>	<b>18-07-0682-52-A</b>	<b>07/10/18 13:47</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:28</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0820		1.00		
<b>B18-0.5</b>	<b>18-07-0682-55-A</b>	<b>07/10/18 14:07</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:34</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0847		1.00		
<b>B19-0.5</b>	<b>18-07-0682-58-A</b>	<b>07/10/18 14:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:37</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0862		1.00		
<b>B20-0.5</b>	<b>18-07-0682-61-A</b>	<b>07/10/18 14:41</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:39</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.164	0.0794		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-16-272-3982</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:01</b>	<b>180718L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0833	1.00	

<b>Method Blank</b>	<b>099-16-272-3981</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 17:18</b>	<b>180718L03</b>
---------------------	------------------------	------------	--------------	-------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0820	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B1-0.5</b>	<b>18-07-0682-1-A</b>	<b>07/10/18 07:25</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 12:05</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B2-0.5</b>	<b>18-07-0682-4-A</b>	<b>07/10/18 07:42</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 12:19</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDT	27	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

<b>B2-0.5</b>	<b>18-07-0682-4-A</b>	<b>07/10/18 07:42</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 06:48</b>	<b>180713L15</b>
---------------	-----------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	41	24	5.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 3 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3-0.5</b>	<b>18-07-0682-7-A</b>	<b>07/10/18 07:58</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 12:34</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	114	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 4 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B4-0.5</b>	<b>18-07-0682-10-A</b>	<b>07/10/18 08:23</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 12:48</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	160	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	28	5.0	1.00	
4,4'-DDT	28	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	120	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

[Return to Contents](#)

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 5 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5-0.5</b>	<b>18-07-0682-13-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 13:02</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	76	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	7.9	4.9	1.00	
4,4'-DDT	5.3	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

<b>B5-0.5</b>	<b>18-07-0682-13-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 06:33</b>	<b>180713L15</b>
---------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Dieldrin	74	24	5.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	111	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 6 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5-0.5-DUP</b>	<b>18-07-0682-14-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 18:44</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	61	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.5	5.0	1.00	
4,4'-DDT	8.1	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

<b>B5-0.5-DUP</b>	<b>18-07-0682-14-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 11:42</b>	<b>180713L15</b>
-------------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Dieldrin	67	25	5.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	128	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 7 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B6-0.5</b>	<b>18-07-0682-17-A</b>	<b>07/10/18 08:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 18:58</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	65	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
 5261 West Imperial Highway  
 Los Angeles, CA 90045-6231

Date Received: 07/11/18  
 Work Order: 18-07-0682  
 Preparation: EPA 3545  
 Method: EPA 8081A  
 Units: ug/kg

Project: Taft Charter High School

Page 8 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B7-0.5</b>	<b>18-07-0682-20-A</b>	<b>07/10/18 09:23</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 19:13</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 9 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B8-0.5</b>	<b>18-07-0682-23-A</b>	<b>07/10/18 09:37</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 19:27</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 10 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B9-0.5</b>	<b>18-07-0682-26-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 07:02</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	9.0	5.0	1.00	
4,4'-DDT	10	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	119	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 11 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B9-0.5DUP</b>	<b>18-07-0682-27-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 07:16</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.4	5.0	1.00	
4,4'-DDT	7.9	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	121	24-168	
2,4,5,6-Tetrachloro-m-Xylene	116	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 12 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B10-0.5</b>	<b>18-07-0682-30-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 07:31</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 13 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B10-0.5DUP</b>	<b>18-07-0682-31-A</b>	<b>07/10/18 10:07</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 07:45</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 14 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11-0.5</b>	<b>18-07-0682-34-A</b>	<b>07/10/18 10:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 07:59</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 15 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B12-0.5</b>	<b>18-07-0682-37-A</b>	<b>07/10/18 11:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 08:13</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 16 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B14-0.5</b>	<b>18-07-0682-43-A</b>	<b>07/10/18 13:12</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 08:27</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	110	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 17 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B15-0.5</b>	<b>18-07-0682-46-A</b>	<b>07/10/18 13:22</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 08:42</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 18 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B16-0.5</b>	<b>18-07-0682-49-A</b>	<b>07/10/18 13:33</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 08:56</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	74	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	32	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	15	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

<b>B16-0.5</b>	<b>18-07-0682-49-A</b>	<b>07/10/18 13:33</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 11:56</b>	<b>180713L15</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	500	100	20.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	114	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 19 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B17-0.5</b>	<b>18-07-0682-52-A</b>	<b>07/10/18 13:47</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 09:10</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	107	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 20 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B18-0.5</b>	<b>18-07-0682-55-A</b>	<b>07/10/18 14:07</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/19/18 09:24</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
 5261 West Imperial Highway  
 Los Angeles, CA 90045-6231

Date Received: 07/11/18  
 Work Order: 18-07-0682  
 Preparation: EPA 3545  
 Method: EPA 8081A  
 Units: ug/kg

Project: Taft Charter High School

Page 21 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B19-0.5</b>	<b>18-07-0682-58-A</b>	<b>07/10/18 14:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/16/18 13:49</b>	<b>180713L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 22 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B20-0.5</b>	<b>18-07-0682-61-A</b>	<b>07/10/18 14:41</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/16/18 14:03</b>	<b>180713L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	360	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.8	5.0	1.00	
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	129	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 23 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2981	N/A	Solid	GC 44	07/13/18	07/16/18 12:11	180713L05

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 24 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-12-537-2983</b>	<b>N/A</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/13/18</b>	<b>07/18/18 11:08</b>	<b>180713L15</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
 5261 West Imperial Highway  
 Los Angeles, CA 90045-6231

Date Received: 07/11/18  
 Work Order: 18-07-0682  
 Preparation: EPA 3510C  
 Method: EPA 8081A  
 Units: ug/L

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-D	07/10/18 00:00	Aqueous	GC 44	07/12/18	07/17/18 06:47	180712L01B

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.094	1.00	
Gamma-BHC	ND	0.094	1.00	
Beta-BHC	ND	0.094	1.00	
Heptachlor	ND	0.094	1.00	
Delta-BHC	ND	0.094	1.00	
Aldrin	ND	0.094	1.00	
Heptachlor Epoxide	ND	0.094	1.00	
Endosulfan I	ND	0.094	1.00	
Dieldrin	ND	0.094	1.00	
4,4'-DDE	ND	0.094	1.00	
Endrin	ND	0.094	1.00	
Endrin Aldehyde	ND	0.094	1.00	
4,4'-DDD	ND	0.094	1.00	
Endosulfan II	ND	0.094	1.00	
4,4'-DDT	ND	0.094	1.00	
Endosulfan Sulfate	ND	0.094	1.00	
Methoxychlor	ND	0.094	1.00	
Chlordane	ND	0.94	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.094	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	50-135	
2,4,5,6-Tetrachloro-m-Xylene	108	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-529-1037	N/A	Aqueous	GC 44	07/12/18	07/17/18 05:22	180712L01B

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	50-135	
2,4,5,6-Tetrachloro-m-Xylene	108	50-135	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5-0.5</b>	<b>18-07-0682-13-A</b>	<b>07/10/18 08:38</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/18/18</b>	<b>07/19/18 13:10</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

<b>B9-0.5</b>	<b>18-07-0682-26-A</b>	<b>07/10/18 09:52</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/18/18</b>	<b>07/19/18 13:28</b>	<b>180718L06</b>
---------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-535-4760	N/A	Solid	GC 58	07/18/18	07/19/18 10:10	180718L06

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3510C  
Method: EPA 8082  
Units: ug/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-D	07/10/18 00:00	Aqueous	GC 31	07/12/18	07/13/18 22:41	180712L01B

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	0.94	1.00	
Aroclor-1221	ND	0.94	1.00	
Aroclor-1232	ND	0.94	1.00	
Aroclor-1242	ND	0.94	1.00	
Aroclor-1248	ND	0.94	1.00	
Aroclor-1254	ND	0.94	1.00	
Aroclor-1260	ND	0.94	1.00	
Aroclor-1262	ND	0.94	1.00	
Aroclor-1268	ND	0.94	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	50-135	
2,4,5,6-Tetrachloro-m-Xylene	92	50-135	

Method Blank	099-12-533-1413	N/A	Aqueous	GC 31	07/12/18	07/13/18 20:09	180712L01B
--------------	-----------------	-----	---------	-------	----------	----------------	------------

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	
Aroclor-1268	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	50-135	
2,4,5,6-Tetrachloro-m-Xylene	85	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>TB-1</b>	<b>18-07-0682-64-A</b>	<b>07/10/18 00:00</b>	<b>Aqueous</b>	<b>GC/MS RR</b>	<b>07/13/18</b>	<b>07/13/18 19:43</b>	<b>180713L034</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 2 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

---

EFI Global Inc.	Date Received:	07/11/18
5261 West Imperial Highway	Work Order:	18-07-0682
Los Angeles, CA 90045-6231	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Taft Charter High School		Page 3 of 9

---

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	108	80-128	
1,2-Dichloroethane-d4	114	80-129	
Toluene-d8	100	80-120	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-1	18-07-0682-65-A	07/10/18 00:00	Aqueous	GC/MS RR	07/13/18	07/13/18 20:14	180713L034

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 5 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

---

EFI Global Inc.	Date Received:	07/11/18
5261 West Imperial Highway	Work Order:	18-07-0682
Los Angeles, CA 90045-6231	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Taft Charter High School		Page 6 of 9

---

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	107	80-128	
1,2-Dichloroethane-d4	114	80-129	
Toluene-d8	100	80-120	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-26430	N/A	Aqueous	GC/MS RR	07/13/18	07/13/18 18:37	180713L034

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 8 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 9 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	105	80-128	
1,2-Dichloroethane-d4	112	80-129	
Toluene-d8	99	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B6-0.5</b>	<b>18-07-0682-17-A</b>	<b>07/10/18 08:52</b>	<b>Solid</b>	<b>GC/MS BB</b>	<b>07/12/18</b>	<b>07/13/18 07:59</b>	<b>180712L055</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
1,1-Dichloropropene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	26	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,2-Dichloroethane	ND	2.6	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	
2-Butanone	ND	51	1.00	
2-Chlorotoluene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
4-Chlorotoluene	ND	5.1	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
Carbon Disulfide	ND	51	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
Dibromochloromethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
Isopropylbenzene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
Naphthalene	ND	51	1.00	
Styrene	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
Trichloroethene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
n-Butylbenzene	ND	5.1	1.00	
n-Propylbenzene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	260	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 3 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	100	80-120	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B18-3</b>	<b>18-07-0682-57-A</b>	<b>07/10/18 14:15</b>	<b>Solid</b>	<b>GC/MS BB</b>	<b>07/12/18</b>	<b>07/13/18 08:27</b>	<b>180712L055</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 5 of 9

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 6 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	101	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-796-14324	N/A	Solid	GC/MS BB	07/12/18	07/13/18 05:06	180712L055

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 8 of 9

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 9 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	101	80-120	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-5</b>	<b>18-07-0682-40-D</b>	<b>07/10/18 12:15</b>	<b>Solid</b>	<b>GC/MS QQ</b>	<b>07/10/18</b>	<b>07/12/18 18:03</b>	<b>180712L040</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.88	1.00	
1,1,1-Trichloroethane	ND	0.88	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	1.00	
1,1,2-Trichloroethane	ND	0.88	1.00	
1,1-Dichloroethane	ND	0.88	1.00	
1,1-Dichloroethene	ND	0.88	1.00	
1,1-Dichloropropene	ND	1.8	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	8.8	1.00	
1,2-Dibromoethane	ND	0.88	1.00	
1,2-Dichlorobenzene	ND	0.88	1.00	
1,2-Dichloroethane	ND	0.88	1.00	
1,2-Dichloropropane	ND	0.88	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
1,3-Dichlorobenzene	ND	0.88	1.00	
1,3-Dichloropropane	ND	0.88	1.00	
1,4-Dichlorobenzene	ND	0.88	1.00	
2,2-Dichloropropane	ND	4.4	1.00	
2-Butanone	ND	18	1.00	
2-Chlorotoluene	ND	0.88	1.00	
2-Hexanone	ND	18	1.00	
4-Chlorotoluene	ND	0.88	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Acetone	ND	44	1.00	
Benzene	ND	0.88	1.00	
Bromobenzene	ND	0.88	1.00	
Bromochloromethane	ND	4.4	1.00	
Bromodichloromethane	ND	0.88	1.00	
Bromoform	ND	4.4	1.00	
Bromomethane	ND	18	1.00	
Carbon Disulfide	ND	8.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 9

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Carbon Tetrachloride	ND	0.88	1.00	
Chlorobenzene	ND	0.88	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.88	1.00	
Chloromethane	ND	18	1.00	
Dibromochloromethane	ND	1.8	1.00	
Dibromomethane	ND	1.8	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
Ethylbenzene	ND	0.88	1.00	
Isopropylbenzene	ND	0.88	1.00	
Methylene Chloride	ND	8.8	1.00	
Naphthalene	ND	8.8	1.00	
Styrene	ND	0.88	1.00	
Tetrachloroethene	ND	0.88	1.00	
Toluene	ND	0.88	1.00	
t-1,2-Dichloroethene	ND	0.88	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	8.8	1.00	
Vinyl Acetate	ND	8.8	1.00	
Vinyl Chloride	ND	0.88	1.00	
c-1,3-Dichloropropene	ND	0.88	1.00	
c-1,2-Dichloroethene	ND	0.88	1.00	
n-Butylbenzene	ND	0.88	1.00	
n-Propylbenzene	ND	1.8	1.00	
o-Xylene	ND	0.88	1.00	
p-Isopropyltoluene	ND	0.88	1.00	
sec-Butylbenzene	ND	0.88	1.00	
t-1,3-Dichloropropene	ND	4.4	1.00	
tert-Butylbenzene	ND	0.88	1.00	
p/m-Xylene	ND	1.8	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	
1,4-Dioxane	ND	88	1.00	
Tert-Butyl Alcohol (TBA)	ND	18	1.00	
Diisopropyl Ether (DIPE)	ND	0.88	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.88	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.88	1.00	
Ethanol	ND	440	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 3 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	100	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B13-10</b>	<b>18-07-0682-41-D</b>	<b>07/10/18 12:25</b>	<b>Solid</b>	<b>GC/MS QQ</b>	<b>07/10/18</b>	<b>07/12/18 18:31</b>	<b>180712L040</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.78	1.00	
1,1,1-Trichloroethane	ND	0.78	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.8	1.00	
1,1,2-Trichloroethane	ND	0.78	1.00	
1,1-Dichloroethane	ND	0.78	1.00	
1,1-Dichloroethene	ND	0.78	1.00	
1,1-Dichloropropene	ND	1.6	1.00	
1,2,3-Trichlorobenzene	ND	1.6	1.00	
1,2,3-Trichloropropane	ND	1.6	1.00	
1,2,4-Trichlorobenzene	ND	1.6	1.00	
1,2,4-Trimethylbenzene	ND	1.6	1.00	
1,2-Dibromo-3-Chloropropane	ND	7.8	1.00	
1,2-Dibromoethane	ND	0.78	1.00	
1,2-Dichlorobenzene	ND	0.78	1.00	
1,2-Dichloroethane	ND	0.78	1.00	
1,2-Dichloropropane	ND	0.78	1.00	
1,3,5-Trimethylbenzene	ND	1.6	1.00	
1,3-Dichlorobenzene	ND	0.78	1.00	
1,3-Dichloropropane	ND	0.78	1.00	
1,4-Dichlorobenzene	ND	0.78	1.00	
2,2-Dichloropropane	ND	3.9	1.00	
2-Butanone	ND	16	1.00	
2-Chlorotoluene	ND	0.78	1.00	
2-Hexanone	ND	16	1.00	
4-Chlorotoluene	ND	0.78	1.00	
4-Methyl-2-Pentanone	ND	16	1.00	
Acetone	ND	39	1.00	
Benzene	ND	0.78	1.00	
Bromobenzene	ND	0.78	1.00	
Bromochloromethane	ND	3.9	1.00	
Bromodichloromethane	ND	0.78	1.00	
Bromoform	ND	3.9	1.00	
Bromomethane	ND	16	1.00	
Carbon Disulfide	ND	7.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 5 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.78	1.00	
Chlorobenzene	ND	0.78	1.00	
Chloroethane	ND	1.6	1.00	
Chloroform	ND	0.78	1.00	
Chloromethane	ND	16	1.00	
Dibromochloromethane	ND	1.6	1.00	
Dibromomethane	ND	1.6	1.00	
Dichlorodifluoromethane	ND	1.6	1.00	
Ethylbenzene	ND	0.78	1.00	
Isopropylbenzene	ND	0.78	1.00	
Methylene Chloride	ND	7.8	1.00	
Naphthalene	ND	7.8	1.00	
Styrene	ND	0.78	1.00	
Tetrachloroethene	ND	0.78	1.00	
Toluene	ND	0.78	1.00	
t-1,2-Dichloroethene	ND	0.78	1.00	
Trichloroethene	ND	1.6	1.00	
Trichlorofluoromethane	ND	7.8	1.00	
Vinyl Acetate	ND	7.8	1.00	
Vinyl Chloride	ND	0.78	1.00	
c-1,3-Dichloropropene	ND	0.78	1.00	
c-1,2-Dichloroethene	ND	0.78	1.00	
n-Butylbenzene	ND	0.78	1.00	
n-Propylbenzene	ND	1.6	1.00	
o-Xylene	ND	0.78	1.00	
p-Isopropyltoluene	ND	0.78	1.00	
sec-Butylbenzene	ND	0.78	1.00	
t-1,3-Dichloropropene	ND	3.9	1.00	
tert-Butylbenzene	ND	0.78	1.00	
p/m-Xylene	ND	1.6	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	1.00	
1,4-Dioxane	ND	78	1.00	
Tert-Butyl Alcohol (TBA)	ND	16	1.00	
Diisopropyl Ether (DIPE)	ND	0.78	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.78	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.78	1.00	
Ethanol	ND	390	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 6 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	100	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-025-30185	N/A	Solid	GC/MS QQ	07/12/18	07/12/18 11:31	180712L040

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	2.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B  
Units: ug/kg

Project: Taft Charter High School

Page 8 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
Dibromochloromethane	ND	2.0	1.00	
Dibromomethane	ND	2.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

---

EFI Global Inc.	Date Received:	07/11/18
5261 West Imperial Highway	Work Order:	18-07-0682
Los Angeles, CA 90045-6231	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Taft Charter High School		Page 9 of 9

---

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	100	80-120	



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B17-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:34</b>	<b>180716S05</b>				
<b>B17-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:34</b>	<b>180716S05</b>				
<b>B17-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/16/18</b>	<b>07/17/18 11:35</b>	<b>180716S05</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	ND	25.00	7.169	29	7.617	30	50-115	6	0-20	3
Barium	98.01	25.00	128.8	123	119.6	86	75-125	7	0-20	
Beryllium	ND	25.00	27.56	110	24.40	98	75-125	12	0-20	
Cadmium	ND	25.00	25.59	102	24.22	97	75-125	5	0-20	
Chromium	10.39	25.00	39.74	117	34.21	95	75-125	15	0-20	
Cobalt	5.970	25.00	31.99	104	29.94	96	75-125	7	0-20	
Copper	12.63	25.00	39.26	107	36.12	94	75-125	8	0-20	
Lead	20.65	25.00	45.59	100	43.73	92	75-125	4	0-20	
Molybdenum	0.4720	25.00	25.25	99	23.91	94	75-125	5	0-20	
Nickel	10.50	25.00	38.87	113	33.13	91	75-125	16	0-20	
Selenium	ND	25.00	24.12	96	18.35	73	75-125	27	0-20	3,4
Silver	ND	12.50	13.11	105	12.00	96	75-125	9	0-20	
Thallium	ND	25.00	14.05	56	15.45	62	75-125	9	0-20	3
Vanadium	23.50	25.00	49.08	102	46.30	91	75-125	6	0-20	
Zinc	40.62	25.00	66.98	105	65.96	101	75-125	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 15

Quality Control Sample ID	Type		Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number			
B1-0.5	Sample		Solid	ICP 8300	07/16/18	07/21/18 16:34	180716S04			
B1-0.5	Matrix Spike		Solid	ICP 8300	07/16/18	07/21/18 16:31	180716S04			
B1-0.5	Matrix Spike Duplicate		Solid	ICP 8300	07/16/18	07/21/18 16:32	180716S04			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.081	16	5.397	22	50-115	28	0-20	3,4
Arsenic	7.360	25.00	35.69	113	39.29	128	75-125	10	0-20	3
Barium	128.6	25.00	203.1	4X	221.3	4X	75-125	4X	0-20	Q
Beryllium	0.5035	25.00	23.87	93	26.38	103	75-125	10	0-20	
Cadmium	1.233	25.00	27.20	104	29.85	114	75-125	9	0-20	
Chromium	20.89	25.00	46.02	101	50.46	118	75-125	9	0-20	
Cobalt	8.534	25.00	35.28	107	38.91	122	75-125	10	0-20	
Copper	30.24	25.00	63.78	134	69.92	159	75-125	9	0-20	3
Lead	13.50	25.00	50.25	147	55.08	166	75-125	9	0-20	3
Molybdenum	2.048	25.00	21.15	76	23.45	86	75-125	10	0-20	
Nickel	29.95	25.00	55.96	104	61.43	126	75-125	9	0-20	3
Selenium	ND	25.00	22.62	90	26.27	105	75-125	15	0-20	
Silver	ND	12.50	11.97	96	13.14	105	75-125	9	0-20	
Thallium	ND	25.00	21.36	85	22.98	92	75-125	7	0-20	
Vanadium	31.88	25.00	57.44	102	62.88	124	75-125	9	0-20	
Zinc	68.43	25.00	105.8	150	116.0	190	75-125	9	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: Taft Charter High School

Page 3 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-07-0849-1	Sample	Aqueous	ICP 7300	07/18/18	07/20/18 10:47	180718SA2				
18-07-0849-1	Matrix Spike	Aqueous	ICP 7300	07/18/18	07/20/18 10:47	180718SA2				
18-07-0849-1	Matrix Spike Duplicate	Aqueous	ICP 7300	07/18/18	07/20/18 10:50	180718SA2				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	0.01690	0.5000	0.4762	92	0.4752	92	72-132	0	0-10	
Barium	0.06124	0.5000	0.5863	105	0.5764	103	87-123	2	0-6	
Beryllium	ND	0.5000	0.5243	105	0.5056	101	89-119	4	0-8	
Cadmium	ND	0.5000	0.5190	104	0.5143	103	82-124	1	0-7	
Chromium	ND	0.5000	0.5312	106	0.5066	101	86-122	5	0-8	
Cobalt	ND	0.5000	0.5353	107	0.5300	106	83-125	1	0-7	
Copper	0.2754	0.5000	0.8117	107	0.7876	102	78-126	3	0-7	
Lead	0.03554	0.5000	0.5684	107	0.5700	107	84-120	0	0-7	
Molybdenum	0.01844	0.5000	0.5141	99	0.5165	100	78-126	0	0-7	
Nickel	0.02768	0.5000	0.5403	103	0.5372	102	84-120	1	0-7	
Selenium	ND	0.5000	0.4703	94	0.4390	88	79-127	7	0-9	
Silver	ND	0.2500	0.1016	41	0.07946	32	86-128	24	0-7	3,4
Thallium	ND	0.5000	0.4888	98	0.5130	103	79-121	5	0-8	
Vanadium	ND	0.5000	0.5327	107	0.5120	102	88-118	4	0-7	
Zinc	0.4622	0.5000	1.017	111	0.9839	104	89-131	3	0-8	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3005A Filt.  
Method: EPA 6020

Project: Taft Charter High School

Page 4 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0647-3	Sample	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:27	180718SA1
18-07-0647-3	Matrix Spike	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:11	180718SA1
18-07-0647-3	Matrix Spike Duplicate	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:15	180718SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.09641	96	0.1017	102	73-127	5	0-11	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 5 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B1-0.5	Sample	Solid	ICP/MS 05	07/16/18	07/18/18 22:23	180716S04				
B1-0.5	Matrix Spike	Solid	ICP/MS 05	07/16/18	07/18/18 22:07	180716S04				
B1-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	07/16/18	07/18/18 22:11	180716S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	8.192	25.00	42.62	138	39.72	126	72-132	7	0-13	3

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 6 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B17-0.5	Sample	Solid	ICP/MS 05	07/16/18	07/18/18 22:03	180716S05				
B17-0.5	Matrix Spike	Solid	ICP/MS 05	07/16/18	07/18/18 20:49	180716S05				
B17-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	07/16/18	07/18/18 21:50	180716S05				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	10.13	25.00	36.65	106	39.25	116	72-132	7	0-13	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7470A Total  
Method: EPA 7470A

Project: Taft Charter High School

Page 7 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0894-2	Sample	Aqueous	Mercury 07	07/19/18	07/19/18 15:53	180719SA2
18-07-0894-2	Matrix Spike	Aqueous	Mercury 07	07/18/18	07/20/18 14:57	180719SA2
18-07-0894-2	Matrix Spike Duplicate	Aqueous	Mercury 07	07/19/18	07/19/18 15:58	180719SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.008659	87	0.008679	87	55-133	0	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18

Work Order: 18-07-0682

Preparation: EPA 7471A Total

Method: EPA 7471A

Project: Taft Charter High School

Page 8 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B1-0.5	Sample	Solid	Mercury 08	07/18/18	07/18/18 16:19	180718S02				
B1-0.5	Matrix Spike	Solid	Mercury 08	07/18/18	07/18/18 16:21	180718S02				
B1-0.5	Matrix Spike Duplicate	Solid	Mercury 08	07/18/18	07/18/18 16:24	180718S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8268	99	0.8200	98	71-137	1	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18

Work Order: 18-07-0682

Preparation: EPA 7471A Total

Method: EPA 7471A

Project: Taft Charter High School

Page 9 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B17-0.5	Sample	Solid	Mercury 08	07/18/18	07/18/18 17:28	180718S03				
B17-0.5	Matrix Spike	Solid	Mercury 08	07/18/18	07/18/18 17:30	180718S03				
B17-0.5	Matrix Spike Duplicate	Solid	Mercury 08	07/18/18	07/18/18 17:32	180718S03				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7471	89	0.7661	92	71-137	3	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 10 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0445-8	Sample	Solid	GC 44	07/13/18	07/16/18 11:57	180713S05
18-07-0445-8	Matrix Spike	Solid	GC 44	07/13/18	07/16/18 11:28	180713S05
18-07-0445-8	Matrix Spike Duplicate	Solid	GC 44	07/13/18	07/16/18 11:42	180713S05

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	27.02	108	25.29	101	50-135	7	0-25	
Alpha-BHC	ND	25.00	26.52	106	25.36	101	50-135	4	0-25	
Beta-BHC	ND	25.00	25.00	100	23.96	96	50-135	4	0-25	
4,4'-DDD	ND	25.00	29.02	116	26.89	108	50-135	8	0-25	
4,4'-DDE	ND	25.00	28.12	112	26.26	105	50-135	7	0-25	
4,4'-DDT	ND	25.00	29.32	117	26.86	107	50-135	9	0-25	
Delta-BHC	ND	25.00	27.60	110	26.16	105	50-135	5	0-25	
Dieldrin	ND	25.00	28.08	112	26.13	105	50-135	7	0-25	
Endosulfan I	ND	25.00	28.64	115	26.50	106	50-135	8	0-25	
Endosulfan II	ND	25.00	28.59	114	26.42	106	50-135	8	0-25	
Endosulfan Sulfate	ND	25.00	29.20	117	27.28	109	50-135	7	0-25	
Endrin	ND	25.00	27.80	111	26.59	106	50-135	4	0-25	
Endrin Aldehyde	ND	25.00	27.28	109	25.02	100	50-135	9	0-25	
Gamma-BHC	ND	25.00	26.32	105	25.02	100	50-135	5	0-25	
Heptachlor	ND	25.00	27.40	110	25.94	104	50-135	5	0-25	
Heptachlor Epoxide	ND	25.00	26.84	107	25.04	100	50-135	7	0-25	
Methoxychlor	ND	25.00	29.30	117	27.50	110	50-135	6	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 11 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B1-0.5	Sample	Solid	GC 44	07/13/18	07/18/18 12:05	180713S15				
B1-0.5	Matrix Spike	Solid	GC 44	07/13/18	07/18/18 11:37	180713S15				
B1-0.5	Matrix Spike Duplicate	Solid	GC 44	07/13/18	07/18/18 11:51	180713S15				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	24.14	97	23.30	93	50-135	4	0-25	
Alpha-BHC	ND	25.00	24.50	98	24.24	97	50-135	1	0-25	
Beta-BHC	ND	25.00	25.16	101	24.85	99	50-135	1	0-25	
4,4'-DDD	ND	25.00	27.00	108	26.32	105	50-135	3	0-25	
4,4'-DDE	ND	25.00	27.21	109	26.37	105	50-135	3	0-25	
4,4'-DDT	ND	25.00	27.65	111	25.86	103	50-135	7	0-25	
Delta-BHC	ND	25.00	26.22	105	26.14	105	50-135	0	0-25	
Dieldrin	ND	25.00	27.26	109	26.42	106	50-135	3	0-25	
Endosulfan I	ND	25.00	27.06	108	26.46	106	50-135	2	0-25	
Endosulfan II	ND	25.00	27.51	110	26.92	108	50-135	2	0-25	
Endosulfan Sulfate	ND	25.00	26.54	106	25.80	103	50-135	3	0-25	
Endrin	ND	25.00	23.79	95	24.64	99	50-135	4	0-25	
Endrin Aldehyde	ND	25.00	11.16	45	8.610	34	50-135	26	0-25	3,4
Gamma-BHC	ND	25.00	24.54	98	24.38	98	50-135	1	0-25	
Heptachlor	ND	25.00	23.90	96	23.17	93	50-135	3	0-25	
Heptachlor Epoxide	ND	25.00	24.34	97	23.42	94	50-135	4	0-25	
Methoxychlor	ND	25.00	30.50	122	29.78	119	50-135	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8082

Project: Taft Charter High School

Page 12 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1084-1	Sample	Solid	GC 58	07/18/18	07/19/18 11:22	180718S06
18-07-1084-1	Matrix Spike	Solid	GC 58	07/18/18	07/19/18 10:46	180718S06
18-07-1084-1	Matrix Spike Duplicate	Solid	GC 58	07/18/18	07/19/18 11:04	180718S06

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	227.0	227	239.5	240	50-135	5	0-20	3
Aroclor-1260	ND	100.0	168.0	168	169.0	169	50-135	1	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 13 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-07-0656-2	Sample	Aqueous	GC/MS RR	07/13/18	07/13/18 23:50	180713S023				
18-07-0656-2	Matrix Spike	Aqueous	GC/MS RR	07/13/18	07/14/18 00:48	180713S023				
18-07-0656-2	Matrix Spike Duplicate	Aqueous	GC/MS RR	07/13/18	07/14/18 01:18	180713S023				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1,1,2-Tetrachloroethane	ND	250.0	331.1	132	298.0	119	75-139	11	0-20	
1,1,1-Trichloroethane	ND	250.0	308.9	124	292.0	117	75-136	6	0-20	
1,1,2,2-Tetrachloroethane	ND	250.0	278.8	112	247.4	99	61-145	12	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250.0	244.7	98	261.8	105	42-168	7	0-22	
1,1,2-Trichloroethane	ND	250.0	281.3	113	258.1	103	75-125	9	0-20	
1,1-Dichloroethane	ND	250.0	263.3	105	244.5	98	73-139	7	0-20	
1,1-Dichloroethene	ND	250.0	301.5	121	294.2	118	61-145	2	0-20	
1,1-Dichloropropene	ND	250.0	307.6	123	289.5	116	75-135	6	0-20	
1,2,3-Trichlorobenzene	ND	250.0	299.6	120	275.3	110	73-133	8	0-20	
1,2,3-Trichloropropane	ND	250.0	292.6	117	269.6	108	75-127	8	0-20	
1,2,4-Trichlorobenzene	ND	250.0	289.9	116	258.1	103	71-137	12	0-20	
1,2,4-Trimethylbenzene	ND	250.0	286.1	114	262.3	105	75-133	9	0-20	
1,2-Dibromo-3-Chloropropane	ND	250.0	286.7	115	270.9	108	64-142	6	0-20	
1,2-Dibromoethane	ND	250.0	300.3	120	271.3	109	75-129	10	0-20	
1,2-Dichlorobenzene	ND	250.0	306.5	123	274.4	110	75-125	11	0-20	
1,2-Dichloroethane	ND	250.0	330.2	132	298.0	119	75-125	10	0-20	3
1,2-Dichloropropane	ND	250.0	296.9	119	269.8	108	75-127	10	0-20	
1,3,5-Trimethylbenzene	ND	250.0	305.0	122	281.0	112	75-135	8	0-20	
1,3-Dichlorobenzene	ND	250.0	310.2	124	282.6	113	75-125	9	0-20	
1,3-Dichloropropane	ND	250.0	295.9	118	265.7	106	75-125	11	0-20	
1,4-Dichlorobenzene	ND	250.0	313.4	125	283.0	113	75-125	10	0-20	
2,2-Dichloropropane	ND	250.0	247.5	99	221.2	88	24-180	11	0-20	
2-Butanone	ND	250.0	265.6	106	260.4	104	37-157	2	0-20	
2-Chlorotoluene	ND	250.0	313.2	125	282.7	113	75-128	10	0-20	
2-Hexanone	ND	250.0	291.3	117	271.6	109	47-161	7	0-20	
4-Chlorotoluene	ND	250.0	309.7	124	280.4	112	75-125	10	0-20	
4-Methyl-2-Pentanone	ND	250.0	274.5	110	264.4	106	66-138	4	0-20	
Acetone	ND	250.0	229.0	92	232.5	93	34-166	2	0-33	
Benzene	ND	250.0	291.8	117	265.6	106	75-125	9	0-20	
Bromobenzene	ND	250.0	313.4	125	280.9	112	75-125	11	0-20	
Bromochloromethane	ND	250.0	276.1	110	261.7	105	75-125	5	0-20	
Bromodichloromethane	ND	250.0	333.3	133	301.6	121	75-134	10	0-20	
Bromoform	ND	250.0	330.7	132	303.3	121	74-134	9	0-20	
Bromomethane	ND	250.0	246.6	99	223.7	89	20-168	10	0-40	
Carbon Disulfide	ND	250.0	292.8	117	276.2	110	50-152	6	0-27	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 14 of 15

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon Tetrachloride	ND	250.0	345.7	138	331.0	132	70-154	4	0-20	
Chlorobenzene	ND	250.0	304.3	122	278.7	111	75-125	9	0-20	
Chloroethane	ND	250.0	241.7	97	236.7	95	41-167	2	0-26	
Chloroform	ND	250.0	309.2	124	287.2	115	75-127	7	0-20	
Chloromethane	ND	250.0	279.9	112	278.8	112	41-149	0	0-20	
Dibromochloromethane	ND	250.0	326.8	131	292.9	117	75-131	11	0-20	
Dibromomethane	ND	250.0	315.8	126	279.1	112	75-125	12	0-20	3
Dichlorodifluoromethane	ND	250.0	166.1	66	178.6	71	25-157	7	0-26	
Ethylbenzene	ND	250.0	306.9	123	278.9	112	75-129	10	0-20	
Isopropylbenzene	ND	250.0	309.5	124	283.4	113	75-135	9	0-20	
Methylene Chloride	ND	250.0	280.3	112	263.4	105	63-141	6	0-20	
Naphthalene	ND	250.0	255.8	102	236.4	95	59-143	8	0-20	
Styrene	ND	250.0	312.8	125	283.0	113	70-142	10	0-28	
Tetrachloroethene	ND	250.0	325.0	130	311.2	124	47-143	4	0-20	
Toluene	ND	250.0	304.5	122	279.2	112	75-125	9	0-20	
t-1,2-Dichloroethene	ND	250.0	286.0	114	270.3	108	64-142	6	0-20	
Trichloroethene	ND	250.0	313.6	125	289.3	116	67-139	8	0-20	
Trichlorofluoromethane	ND	250.0	310.4	124	319.9	128	59-155	3	0-20	
Vinyl Acetate	ND	250.0	254.8	102	244.4	98	54-180	4	0-25	
Vinyl Chloride	4.523	250.0	280.7	110	282.6	111	51-153	1	0-20	
c-1,3-Dichloropropene	ND	250.0	299.2	120	266.8	107	75-137	11	0-20	
c-1,2-Dichloroethene	7.223	250.0	302.3	118	270.4	105	75-125	11	0-20	
n-Butylbenzene	ND	250.0	302.7	121	275.9	110	73-145	9	0-20	
n-Propylbenzene	ND	250.0	323.8	130	298.1	119	75-133	8	0-20	
o-Xylene	ND	250.0	302.4	121	273.7	109	75-134	10	0-20	
p-Isopropyltoluene	ND	250.0	301.3	121	278.5	111	75-136	8	0-20	
sec-Butylbenzene	ND	250.0	307.6	123	283.9	114	75-135	8	0-20	
t-1,3-Dichloropropene	ND	250.0	299.1	120	268.5	107	74-146	11	0-20	
tert-Butylbenzene	ND	250.0	288.9	116	267.9	107	75-136	8	0-20	
p/m-Xylene	ND	500.0	615.9	123	557.4	111	75-133	10	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	250.0	217.0	87	204.5	82	64-136	6	0-20	
1,4-Dioxane	ND	2500	3591	144	3401	136	75-180	5	0-40	
Tert-Butyl Alcohol (TBA)	ND	1250	1402	112	1279	102	75-136	9	0-20	
Diisopropyl Ether (DIPE)	ND	250.0	288.6	115	266.3	107	73-139	8	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	250.0	234.0	94	216.3	87	69-135	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	250.0	272.5	109	248.7	99	69-135	9	0-20	
Ethanol	ND	2500	3260	130	3124	125	29-179	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 15 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0762-3	Sample	Solid	GC/MS BB	07/12/18	07/13/18 06:04	180712S022
18-07-0762-3	Matrix Spike	Solid	GC/MS BB	07/12/18	07/13/18 06:32	180712S022
18-07-0762-3	Matrix Spike Duplicate	Solid	GC/MS BB	07/12/18	07/13/18 07:01	180712S022

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloroethene	ND	50.00	36.91	74	38.75	77	47-143	5	0-25	
1,2-Dibromoethane	ND	50.00	36.39	73	38.20	76	64-124	5	0-20	
1,2-Dichlorobenzene	ND	50.00	30.55	61	29.46	59	35-131	4	0-25	
1,2-Dichloroethane	ND	50.00	38.92	78	42.10	84	80-120	8	0-20	3
Benzene	ND	50.00	34.76	70	37.78	76	61-127	8	0-20	
Carbon Tetrachloride	ND	50.00	25.86	52	29.34	59	51-135	13	0-29	
Chlorobenzene	ND	50.00	33.76	68	35.13	70	57-123	4	0-20	
Ethylbenzene	ND	50.00	33.22	66	34.54	69	57-129	4	0-22	
Toluene	ND	50.00	33.70	67	35.50	71	63-123	5	0-20	
Trichloroethene	ND	50.00	39.60	79	42.96	86	44-158	8	0-20	
Vinyl Chloride	ND	50.00	45.32	91	48.56	97	49-139	7	0-47	
o-Xylene	ND	50.00	33.86	68	35.45	71	70-130	5	0-30	3
p/m-Xylene	ND	100.0	52.17	52	44.41	44	70-130	16	0-30	3
Methyl-t-Butyl Ether (MTBE)	ND	50.00	31.76	64	35.52	71	57-123	11	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	220.3	88	223.9	90	30-168	2	0-34	
Diisopropyl Ether (DIPE)	ND	50.00	37.37	75	41.83	84	57-129	11	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	32.66	65	36.22	72	55-127	10	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	37.11	74	40.10	80	58-124	8	0-20	
Ethanol	ND	500.0	15.04	3	0	0	17-167	200	0-47	3,4

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3005A Filt.  
Method: EPA 6020

Project: Taft Charter High School

Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-07-0647-3	Sample	Aqueous	ICP/MS 05	07/18/18 00:00	07/20/18 00:27	180718SA1
18-07-0647-3	PDS	Aqueous	ICP/MS 05	07/18/18 00:00	07/20/18 00:19	180718SA1
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	ND	0.1000	0.1021	102	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B1-0.5	Sample	Solid	ICP/MS 05	07/16/18 00:00	07/18/18 22:23	180716S04	
B1-0.5	PDS	Solid	ICP/MS 05	07/16/18 00:00	07/18/18 22:15	180716S04	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		8.192	25.00	33.56	101	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B17-0.5	Sample	Solid	ICP/MS 05	07/16/18 00:00	07/18/18 22:03	180716S05	
B17-0.5	PDS	Solid	ICP/MS 05	07/16/18 00:00	07/18/18 21:55	180716S05	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		10.13	25.00	37.33	109	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-26621	LCS	Solid	ICP 7300	07/16/18	07/17/18 11:25	180716L05
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	24.15	97	80-120	73-127	
Barium	25.00	26.03	104	80-120	73-127	
Beryllium	25.00	24.12	96	80-120	73-127	
Cadmium	25.00	25.18	101	80-120	73-127	
Chromium	25.00	25.26	101	80-120	73-127	
Cobalt	25.00	25.85	103	80-120	73-127	
Copper	25.00	26.20	105	80-120	73-127	
Lead	25.00	26.48	106	80-120	73-127	
Molybdenum	25.00	24.44	98	80-120	73-127	
Nickel	25.00	24.93	100	80-120	73-127	
Selenium	25.00	22.47	90	80-120	73-127	
Silver	12.50	11.19	90	80-120	73-127	
Thallium	25.00	22.33	89	80-120	73-127	
Vanadium	25.00	25.06	100	80-120	73-127	
Zinc	25.00	25.21	101	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26654</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/16/18</b>	<b>07/21/18 16:23</b>	<b>180716L04</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.99	92	80-120	73-127	
Arsenic	25.00	22.90	92	80-120	73-127	
Barium	25.00	25.86	103	80-120	73-127	
Beryllium	25.00	24.93	100	80-120	73-127	
Cadmium	25.00	27.55	110	80-120	73-127	
Chromium	25.00	25.60	102	80-120	73-127	
Cobalt	25.00	26.62	106	80-120	73-127	
Copper	25.00	24.65	99	80-120	73-127	
Lead	25.00	26.92	108	80-120	73-127	
Molybdenum	25.00	23.87	95	80-120	73-127	
Nickel	25.00	27.93	112	80-120	73-127	
Selenium	25.00	23.73	95	80-120	73-127	
Silver	12.50	11.46	92	80-120	73-127	
Thallium	25.00	23.22	93	80-120	73-127	
Vanadium	25.00	24.21	97	80-120	73-127	
Zinc	25.00	25.95	104	80-120	73-127	

Total number of LCS compounds: 16

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: Taft Charter High School

Page 3 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-16973	LCS	Aqueous	ICP 7300	07/18/18	07/20/18 10:43	180718LA2
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.4635	93	80-120	73-127	
Barium	0.5000	0.5174	103	80-120	73-127	
Beryllium	0.5000	0.4796	96	80-120	73-127	
Cadmium	0.5000	0.5128	103	80-120	73-127	
Chromium	0.5000	0.5152	103	80-120	73-127	
Cobalt	0.5000	0.5247	105	80-120	73-127	
Copper	0.5000	0.5209	104	80-120	73-127	
Lead	0.5000	0.5284	106	80-120	73-127	
Molybdenum	0.5000	0.4855	97	80-120	73-127	
Nickel	0.5000	0.5089	102	80-120	73-127	
Selenium	0.5000	0.4668	93	80-120	73-127	
Silver	0.2500	0.2332	93	80-120	73-127	
Thallium	0.5000	0.4833	97	80-120	73-127	
Vanadium	0.5000	0.5025	100	80-120	73-127	
Zinc	0.5000	0.5173	103	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3020A Total  
Method: EPA 6020

Project: Taft Charter High School

Page 4 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>096-06-003-5945</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 00:07</b>	<b>180718LA1A</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	0.1000	0.1149	115	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 5 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1691</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 20:41</b>	<b>180716L04</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	23.27	93	80-120	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 6 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1690</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/16/18</b>	<b>07/18/18 20:41</b>	<b>180716L05</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	23.27	93	80-120	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7470A Total  
Method: EPA 7470A

Project: Taft Charter High School

Page 7 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-04-008-8632</b>	<b>LCS</b>	<b>Aqueous</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 15:51</b>	<b>180719LA2</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.01000	0.009964	100	80-120	

  
Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 8 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-3982</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/18/18</b>	<b>07/18/18 16:17</b>	<b>180718L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.7893	95	85-121	


 Return to Contents



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 9 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-16-272-3981	LCS	Solid	Mercury 08	07/18/18	07/18/18 17:21	180718L03
099-16-272-3981	LCSD	Solid	Mercury 08	07/18/18	07/18/18 18:00	180718L03

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.8350	0.7627	91	0.7698	92	85-121	1	0-10	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 10 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2981	LCS	Solid	GC 44	07/13/18	07/16/18 11:14	180713L05
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	25.19	101	50-135	36-149	
Alpha-BHC	25.00	25.00	100	50-135	36-149	
Beta-BHC	25.00	22.58	90	50-135	36-149	
4,4'-DDD	25.00	26.17	105	50-135	36-149	
4,4'-DDE	25.00	24.76	99	50-135	36-149	
4,4'-DDT	25.00	26.84	107	50-135	36-149	
Delta-BHC	25.00	25.40	102	50-135	36-149	
Dieldrin	25.00	25.61	102	50-135	36-149	
Endosulfan I	25.00	25.48	102	50-135	36-149	
Endosulfan II	25.00	27.11	108	50-135	36-149	
Endosulfan Sulfate	25.00	28.24	113	50-135	36-149	
Endrin	25.00	20.37	81	50-135	36-149	
Endrin Aldehyde	25.00	28.24	113	50-135	36-149	
Gamma-BHC	25.00	24.48	98	50-135	36-149	
Heptachlor	25.00	25.74	103	50-135	36-149	
Heptachlor Epoxide	25.00	26.18	105	50-135	36-149	
Methoxychlor	25.00	25.80	103	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 11 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2983	LCS	Solid	GC 44	07/13/18	07/18/18 11:22	180713L15
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	27.12	108	50-135	36-149	
Alpha-BHC	25.00	27.66	111	50-135	36-149	
Beta-BHC	25.00	26.60	106	50-135	36-149	
4,4'-DDD	25.00	29.68	119	50-135	36-149	
4,4'-DDE	25.00	29.86	119	50-135	36-149	
4,4'-DDT	25.00	29.74	119	50-135	36-149	
Delta-BHC	25.00	27.88	112	50-135	36-149	
Dieldrin	25.00	29.48	118	50-135	36-149	
Endosulfan I	25.00	29.68	119	50-135	36-149	
Endosulfan II	25.00	29.02	116	50-135	36-149	
Endosulfan Sulfate	25.00	29.35	117	50-135	36-149	
Endrin	25.00	23.30	93	50-135	36-149	
Endrin Aldehyde	25.00	19.78	79	50-135	36-149	
Gamma-BHC	25.00	28.14	113	50-135	36-149	
Heptachlor	25.00	29.20	117	50-135	36-149	
Heptachlor Epoxide	25.00	28.67	115	50-135	36-149	
Methoxychlor	25.00	27.53	110	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3510C  
Method: EPA 8081A

Project: Taft Charter High School

Page 12 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-1037	LCS	Aqueous	GC 44	07/12/18	07/17/18 09:10	180712L01B
099-12-529-1037	LCSD	Aqueous	GC 44	07/12/18	07/17/18 09:24	180712L01B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.4374	87	0.4551	91	50-135	36-149	4	0-25	
Gamma-BHC	0.5000	0.4325	86	0.4667	93	50-135	36-149	8	0-25	
Beta-BHC	0.5000	0.4039	81	0.4137	83	50-135	36-149	2	0-25	
Heptachlor	0.5000	0.4088	82	0.4404	88	50-135	36-149	7	0-25	
Delta-BHC	0.5000	0.4394	88	0.4504	90	50-135	36-149	2	0-25	
Aldrin	0.5000	0.3937	79	0.4005	80	50-135	36-149	2	0-25	
Heptachlor Epoxide	0.5000	0.4430	89	0.4607	92	50-135	36-149	4	0-25	
Endosulfan I	0.5000	0.4903	98	0.4822	96	50-135	36-149	2	0-25	
Dieldrin	0.5000	0.4598	92	0.4697	94	50-135	36-149	2	0-25	
4,4'-DDE	0.5000	0.4508	90	0.4546	91	50-135	36-149	1	0-25	
Endrin	0.5000	0.4604	92	0.4856	97	50-135	36-149	5	0-25	
Endrin Aldehyde	0.5000	0.4125	82	0.4693	94	50-135	36-149	13	0-25	
4,4'-DDD	0.5000	0.4545	91	0.4781	96	50-135	36-149	5	0-25	
Endosulfan II	0.5000	0.4353	87	0.4707	94	50-135	36-149	8	0-25	
4,4'-DDT	0.5000	0.4461	89	0.3851	77	50-135	36-149	15	0-25	
Endosulfan Sulfate	0.5000	0.4336	87	0.4837	97	50-135	36-149	11	0-25	
Methoxychlor	0.5000	0.4291	86	0.4828	97	50-135	36-149	12	0-25	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8082

Project: Taft Charter High School

Page 13 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-535-4760</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/18/18</b>	<b>07/19/18 10:28</b>	<b>180718L06</b>
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Aroclor-1016		100.0	93.50	94	50-135	
Aroclor-1260		100.0	104.0	104	50-135	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3510C  
Method: EPA 8082

Project: Taft Charter High School

Page 14 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1413	LCS	Aqueous	GC 31	07/12/18	07/13/18 20:28	180712L01B			
099-12-533-1413	LCSD	Aqueous	GC 31	07/12/18	07/13/18 20:47	180712L01B			
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Aroclor-1016	2.000	1.440	72	1.660	83	50-135	14	0-25	
Aroclor-1260	2.000	1.360	68	1.580	79	50-135	15	0-25	

[Return to Contents](#)

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 15 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-26430	LCS	Aqueous	GC/MS RR	07/13/18	07/13/18 15:55	180713L034
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
1,1,1,2-Tetrachloroethane	50.00	55.76	112	80-129	72-137	
1,1,1-Trichloroethane	50.00	52.85	106	76-124	68-132	
1,1,2,2-Tetrachloroethane	50.00	50.72	101	74-122	66-130	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	48.62	97	54-150	38-166	
1,1,2-Trichloroethane	50.00	51.81	104	80-120	73-127	
1,1-Dichloroethane	50.00	45.50	91	72-126	63-135	
1,1-Dichloroethene	50.00	51.64	103	66-132	55-143	
1,1-Dichloropropene	50.00	50.53	101	75-123	67-131	
1,2,3-Trichlorobenzene	50.00	55.09	110	72-132	62-142	
1,2,3-Trichloropropane	50.00	56.84	114	75-123	67-131	
1,2,4-Trichlorobenzene	50.00	51.92	104	74-134	64-144	
1,2,4-Trimethylbenzene	50.00	51.34	103	74-128	65-137	
1,2-Dibromo-3-Chloropropane	50.00	59.15	118	66-126	56-136	
1,2-Dibromoethane	50.00	53.55	107	80-120	73-127	
1,2-Dichlorobenzene	50.00	54.21	108	80-120	73-127	
1,2-Dichloroethane	50.00	59.13	118	76-120	69-127	
1,2-Dichloropropane	50.00	52.48	105	80-120	73-127	
1,3,5-Trimethylbenzene	50.00	52.81	106	77-131	68-140	
1,3-Dichlorobenzene	50.00	54.59	109	80-120	73-127	
1,3-Dichloropropane	50.00	52.39	105	80-120	73-127	
1,4-Dichlorobenzene	50.00	56.27	113	80-120	73-127	
2,2-Dichloropropane	50.00	55.30	111	50-150	33-167	
2-Butanone	50.00	54.90	110	60-126	49-137	
2-Chlorotoluene	50.00	54.14	108	80-121	73-128	
2-Hexanone	50.00	55.60	111	63-123	53-133	
4-Chlorotoluene	50.00	53.90	108	80-120	73-127	
4-Methyl-2-Pentanone	50.00	54.33	109	65-125	55-135	
Acetone	50.00	46.21	92	53-137	39-151	
Benzene	50.00	49.64	99	79-121	72-128	
Bromobenzene	50.00	54.08	108	80-120	73-127	
Bromochloromethane	50.00	48.54	97	80-122	73-129	
Bromodichloromethane	50.00	57.38	115	80-124	73-131	
Bromoform	50.00	60.64	121	73-127	64-136	
Bromomethane	50.00	42.30	85	50-150	33-167	
Carbon Disulfide	50.00	48.72	97	50-150	33-167	
Carbon Tetrachloride	50.00	58.67	117	65-143	52-156	
Chlorobenzene	50.00	52.25	104	80-120	73-127	
Chloroethane	50.00	41.46	83	62-128	51-139	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 16 of 18

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Chloroform	50.00	53.02	106	80-120	73-127	
Chloromethane	50.00	49.02	98	43-133	28-148	
Dibromochloromethane	50.00	58.40	117	80-123	73-130	
Dibromomethane	50.00	56.32	113	80-120	73-127	
Dichlorodifluoromethane	50.00	33.85	68	50-150	33-167	
Ethylbenzene	50.00	51.87	104	80-120	73-127	
Isopropylbenzene	50.00	52.55	105	80-128	72-136	
Methylene Chloride	50.00	48.92	98	61-133	49-145	
Naphthalene	50.00	48.95	98	69-129	59-139	
Styrene	50.00	53.30	107	80-126	72-134	
Tetrachloroethene	50.00	52.17	104	55-139	41-153	
Toluene	50.00	52.11	104	80-120	73-127	
t-1,2-Dichloroethene	50.00	47.29	95	66-132	55-143	
Trichloroethene	50.00	53.12	106	79-121	72-128	
Trichlorofluoromethane	50.00	56.78	114	72-132	62-142	
Vinyl Acetate	50.00	49.78	100	50-150	33-167	
Vinyl Chloride	50.00	47.72	95	63-129	52-140	
c-1,3-Dichloropropene	50.00	55.32	111	77-131	68-140	
c-1,2-Dichloroethene	50.00	48.54	97	78-120	71-127	
n-Butylbenzene	50.00	53.72	107	72-138	61-149	
n-Propylbenzene	50.00	55.07	110	80-128	72-136	
o-Xylene	50.00	52.11	104	80-128	72-136	
p-Isopropyltoluene	50.00	52.97	106	73-133	63-143	
sec-Butylbenzene	50.00	52.40	105	77-131	68-140	
t-1,3-Dichloropropene	50.00	57.36	115	76-136	66-146	
tert-Butylbenzene	50.00	51.25	102	80-125	72-132	
p/m-Xylene	100.0	105.1	105	80-122	73-129	
Methyl-t-Butyl Ether (MTBE)	50.00	40.95	82	69-123	60-132	
1,4-Dioxane	500.0	729.0	146	80-150	68-162	
Tert-Butyl Alcohol (TBA)	250.0	267.3	107	80-124	73-131	
Diisopropyl Ether (DIPE)	50.00	50.89	102	79-121	72-128	
Ethyl-t-Butyl Ether (ETBE)	50.00	43.59	87	71-125	62-134	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.42	103	70-124	61-133	
Ethanol	500.0	547.7	110	53-149	37-165	

Total number of LCS compounds: 72

Total number of ME compounds: 0

Total number of ME compounds allowed: 4

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 17 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-14324	LCS	Solid	GC/MS BB	07/12/18	07/13/18 04:08	180712L055
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
1,1-Dichloroethene	50.00	44.87	90	68-128	58-138	
1,2-Dibromoethane	50.00	50.32	101	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.58	95	80-120	73-127	
1,2-Dichloroethane	50.00	51.44	103	80-120	73-127	
Benzene	50.00	44.31	89	80-120	73-127	
Carbon Tetrachloride	50.00	33.80	68	65-137	53-149	
Chlorobenzene	50.00	45.93	92	80-120	73-127	
Ethylbenzene	50.00	46.48	93	80-120	73-127	
Toluene	50.00	45.36	91	80-120	73-127	
Trichloroethene	50.00	45.70	91	80-120	73-127	
Vinyl Chloride	50.00	52.50	105	67-127	57-137	
o-Xylene	50.00	47.39	95	75-125	67-133	
p/m-Xylene	100.0	91.74	92	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	41.62	83	70-124	61-133	
Tert-Butyl Alcohol (TBA)	250.0	261.4	105	73-121	65-129	
Diisopropyl Ether (DIPE)	50.00	47.90	96	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	43.19	86	70-124	61-133	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.54	97	74-122	66-130	
Ethanol	500.0	1072	214	51-135	37-149	X

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 5035  
Method: EPA 8260B

Project: Taft Charter High School

Page 18 of 18

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-30185	LCS	Solid	GC/MS QQ	07/12/18	07/12/18 10:03	180712L040
095-01-025-30185	LCSD	Solid	GC/MS QQ	07/12/18	07/12/18 10:31	180712L040

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1-Dichloroethene	50.00	49.89	100	49.28	99	68-128	58-138	1	0-20	
1,2-Dibromoethane	50.00	49.44	99	50.70	101	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	50.00	47.26	95	48.11	96	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	46.17	92	47.17	94	80-120	73-127	2	0-20	
Benzene	50.00	45.38	91	45.28	91	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	49.65	99	49.91	100	65-137	53-149	1	0-20	
Chlorobenzene	50.00	46.06	92	46.12	92	80-120	73-127	0	0-20	
Ethylbenzene	50.00	47.40	95	46.96	94	80-120	73-127	1	0-20	
Toluene	50.00	45.67	91	45.84	92	80-120	73-127	0	0-20	
Trichloroethene	50.00	47.43	95	47.05	94	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	45.12	90	43.37	87	67-127	57-137	4	0-20	
o-Xylene	50.00	48.27	97	49.38	99	75-125	67-133	2	0-25	
p/m-Xylene	100.0	94.18	94	94.27	94	75-125	67-133	0	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	39.93	80	41.24	82	70-124	61-133	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	199.2	80	193.0	77	73-121	65-129	3	0-20	
Diisopropyl Ether (DIPE)	50.00	45.48	91	46.31	93	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	42.49	85	43.43	87	70-124	61-133	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.18	94	47.81	96	74-122	66-130	1	0-20	
Ethanol	500.0	373.8	75	380.9	76	51-135	37-149	2	0-27	

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Sample Analysis Summary Report

Work Order: 18-07-0682

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3010A Total	771	ICP 7300	1
EPA 6010B	EPA 3050B	1080	ICP 7300	1
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 6020	EPA 3020A Total	598	ICP/MS 05	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7470A	EPA 7470A Total	868	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1
EPA 8015B (M)	EPA 3510C	682	GC 47	1
EPA 8015B (M)	EPA 3550B	682	GC 50	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8081A	EPA 3510C	669	GC 44	1
EPA 8082	EPA 3545	1028	GC 58	1
EPA 8082	EPA 3510C	1028	GC 31	1
EPA 8260B	EPA 5035	486	GC/MS QQ	2
EPA 8260B	EPA 5030C	1120	GC/MS BB	2
EPA 8260B	EPA 5030C	1126	GC/MS RR	2


[Return to Contents](#)

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-07-0682

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (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

0692

Date 7/10/18

Page 2 of 7

LABORATORY CLIENT: <b>EFI Global</b>		CLIENT PROJECT NAME / NO.: <b>9836 003557 - Taft Charter High School</b>		P.O. NO.:	
ADDRESS:		PROJECT CONTACT: <b>Desi Salgado</b>		LAB CONTACT OR QUOTE NO.: <b>Nowak - 965156</b>	
CITY: STATE: ZIP:		GLOBAL ID:		LOG CODE:	
TEL:		E-MAIL: <b>desi-salgado@efiglobal.com</b>		SAMPLER(S): (PRINT) <b>Desi Salgado</b>	
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:					
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"/> C8-C38 <input type="checkbox"/> C8-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) <b>OCPr</b>	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" 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 ( <b>6020</b> )							
		DATE	TIME																											
11	B4-1.5	7/10/18	08:25	S	1	X												X			X		X							
12	B4-3	↓	08:30	↓	↓	X																								
13	B5-0.5		08:38			X														X	X		X		X					
14	B5-0.5 DUP		08:38			X														X			X		X					
15	B5-1.5		08:41			X																								
16	B5-3		08:45			X																								
17	B6-0.5		08:52			X											X				X			X		X				
18	B6-1.5		08:55			X																								
19	B6-3		09:00			X																								
20	B7-0.5		09:23			X															X			X		X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: <u>7/11/18</u>	Time: <u>13.20</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: <u>7/11/18</u>	Time: <u>1730</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:











## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EFIDATE: 07/11/2018**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2-8 °C (w/ CF): 2-3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804**CUSTODY SEAL:**Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: \_\_\_\_\_

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input checked="" type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:** OPS 7/11/18(Trip Blank Lot Number: 18062913)

Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)  
☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> (pH\_\_2) ☐ 250PB ☒ 250PB<sub>n</sub> (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJ<sub>s</sub> (pH\_\_2) ☐ 500PB  
☒ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> (pH\_\_2) ☐ 1AGB<sub>s</sub> (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (P) ☐ EnCores® (\_\_\_\_) ☒ TerraCores® (3) 2021 ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>,Labeled/Checked by: 826s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 70



## Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-07-0682

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** Taft Charter High School

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 07/30/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

---

Client Project Name: Taft Charter High School  
Work Order Number: 18-07-0682

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 8081A Organochlorine Pesticides (Solid). . . . .	6
5	Quality Control Sample Data. . . . .	9
	5.1 MS/MSD. . . . .	9
	5.2 LCS/LCSD. . . . .	10
6	Sample Analysis Summary. . . . .	11
7	Glossary of Terms and Qualifiers. . . . .	12
8	Chain-of-Custody/Sample Receipt Form. . . . .	13

**Work Order Narrative**

Work Order: 18-07-0682

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/11/18. They were assigned to Work Order 18-07-0682.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

**Sample Summary**

---

Client: EFI Global Inc.	Work Order: 18-07-0682
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number: 9836003557
	Date/Time Received: 07/11/18 17:30
	Number of Containers: 85

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B5-1.5	18-07-0682-15	07/10/18 08:41	1	Solid
B5-3	18-07-0682-16	07/10/18 08:45	1	Solid



Calscience

**Detections Summary**

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 1 of 1

**Client SampleID**

<b><u>Analyte</u></b>	<b><u>Result</u></b>	<b><u>Qualifiers</u></b>	<b><u>RL</u></b>	<b><u>Units</u></b>	<b><u>Method</u></b>	<b><u>Extraction</u></b>
B5-1.5 (18-07-0682-15)						
4,4'-DDT	5.7	ET	5.0	ug/kg	EPA 8081A	EPA 3545
Dieldrin	59	ET	25	ug/kg	EPA 8081A	EPA 3545

Subcontracted analyses, if any, are not included in this summary.

  
Return to Contents

\* MDL is shown

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5-1.5	18-07-0682-15-A	07/10/18 08:41	Solid	GC 51	07/25/18	07/26/18 18:28	180725L07

Comment(s): - Sample extracted outside recommended holding time.

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	ET
Alpha-BHC	ND	10	1.00	ET
Beta-BHC	ND	5.0	1.00	ET
Chlordane	ND	50	1.00	ET
4,4'-DDD	ND	5.0	1.00	ET
4,4'-DDE	ND	5.0	1.00	ET
4,4'-DDT	5.7	5.0	1.00	ET
Delta-BHC	ND	10	1.00	ET
Endosulfan I	ND	5.0	1.00	ET
Endosulfan II	ND	5.0	1.00	ET
Endosulfan Sulfate	ND	5.0	1.00	ET
Endrin	ND	5.0	1.00	ET
Endrin Aldehyde	ND	5.0	1.00	ET
Endrin Ketone	ND	5.0	1.00	ET
Gamma-BHC	ND	5.0	1.00	ET
Heptachlor	ND	5.0	1.00	ET
Heptachlor Epoxide	ND	10	1.00	ET
Methoxychlor	ND	5.0	1.00	ET
Toxaphene	ND	100	1.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

B5-1.5	18-07-0682-15-A	07/10/18 08:41	Solid	GC 51	07/25/18	07/27/18 17:37	180725L07
--------	-----------------	-------------------	-------	-------	----------	-------------------	-----------

Comment(s): - Sample extracted outside recommended holding time.

Parameter	Result	RL	DF	Qualifiers
Dieldrin	59	25	5.00	ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5-3</b>	<b>18-07-0682-16-A</b>	<b>07/10/18 08:45</b>	<b>Solid</b>	<b>GC 51</b>	<b>07/25/18</b>	<b>07/26/18 18:42</b>	<b>180725L07</b>

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	ET
Alpha-BHC	ND	10	1.00	ET
Beta-BHC	ND	5.0	1.00	ET
Chlordane	ND	50	1.00	ET
4,4'-DDD	ND	5.0	1.00	ET
4,4'-DDE	ND	5.0	1.00	ET
4,4'-DDT	ND	5.0	1.00	ET
Delta-BHC	ND	10	1.00	ET
Dieldrin	ND	5.0	1.00	ET
Endosulfan I	ND	5.0	1.00	ET
Endosulfan II	ND	5.0	1.00	ET
Endosulfan Sulfate	ND	5.0	1.00	ET
Endrin	ND	5.0	1.00	ET
Endrin Aldehyde	ND	5.0	1.00	ET
Endrin Ketone	ND	5.0	1.00	ET
Gamma-BHC	ND	5.0	1.00	ET
Heptachlor	ND	5.0	1.00	ET
Heptachlor Epoxide	ND	10	1.00	ET
Methoxychlor	ND	5.0	1.00	ET
Toxaphene	ND	100	1.00	ET

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	34	24-168	
2,4,5,6-Tetrachloro-m-Xylene	28	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2991	N/A	Solid	GC 51	07/25/18	07/26/18 15:08	180725L07

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1455-1	Sample	Solid	GC 51	07/25/18	07/26/18 18:14	180725S07
18-07-1455-1	Matrix Spike	Solid	GC 51	07/25/18	07/26/18 17:45	180725S07
18-07-1455-1	Matrix Spike Duplicate	Solid	GC 51	07/25/18	07/26/18 18:00	180725S07

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	23.11	92	22.78	91	50-135	1	0-25	
Alpha-BHC	ND	25.00	22.52	90	22.38	90	50-135	1	0-25	
Beta-BHC	ND	25.00	22.60	90	22.97	92	50-135	2	0-25	
4,4'-DDD	ND	25.00	28.88	116	28.26	113	50-135	2	0-25	
4,4'-DDE	15.66	25.00	38.20	90	35.11	78	50-135	8	0-25	
4,4'-DDT	ND	25.00	30.37	121	27.97	112	50-135	8	0-25	
Delta-BHC	ND	25.00	24.80	99	24.90	100	50-135	0	0-25	
Dieldrin	ND	25.00	35.39	142	32.84	131	50-135	7	0-25	3
Endosulfan I	ND	25.00	28.01	112	26.12	104	50-135	7	0-25	
Endosulfan II	ND	25.00	25.98	104	25.12	100	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	33.19	133	28.40	114	50-135	16	0-25	
Endrin	ND	25.00	27.35	109	27.09	108	50-135	1	0-25	
Endrin Aldehyde	ND	25.00	26.75	107	26.00	104	50-135	3	0-25	
Gamma-BHC	ND	25.00	22.76	91	22.74	91	50-135	0	0-25	
Heptachlor	ND	25.00	23.86	95	24.07	96	50-135	1	0-25	
Heptachlor Epoxide	ND	25.00	29.16	117	27.37	109	50-135	6	0-25	
Methoxychlor	ND	25.00	27.28	109	24.83	99	50-135	9	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2991	LCS	Solid	GC 51	07/25/18	07/26/18 15:23	180725L07
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	26.36	105	50-135	36-149	
Alpha-BHC	25.00	25.30	101	50-135	36-149	
Beta-BHC	25.00	24.23	97	50-135	36-149	
4,4'-DDD	25.00	27.45	110	50-135	36-149	
4,4'-DDE	25.00	26.72	107	50-135	36-149	
4,4'-DDT	25.00	26.52	106	50-135	36-149	
Delta-BHC	25.00	26.76	107	50-135	36-149	
Dieldrin	25.00	26.76	107	50-135	36-149	
Endosulfan I	25.00	26.91	108	50-135	36-149	
Endosulfan II	25.00	26.75	107	50-135	36-149	
Endosulfan Sulfate	25.00	26.85	107	50-135	36-149	
Endrin	25.00	25.88	104	50-135	36-149	
Endrin Aldehyde	25.00	26.22	105	50-135	36-149	
Gamma-BHC	25.00	25.45	102	50-135	36-149	
Heptachlor	25.00	26.26	105	50-135	36-149	
Heptachlor Epoxide	25.00	26.07	104	50-135	36-149	
Methoxychlor	25.00	26.01	104	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Sample Analysis Summary Report

Work Order: 18-07-0682

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8081A	EPA 3545	669	GC 51	1

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-07-0682

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





WFO NO. / LAB USE ONLY

Date 7/10/18  
Page 2 of

**CLIENT PROJECT NAME / NO.:**

9836003557-Taft Charter High School

**PROJECT CONTACT:**

Desi Salgado	LOG CODE:
GLOBAL ID:	

GLOBAL ID:	LOG CODE:
------------	-----------

**REQUESTED ANALYSES**

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed:

## REQUESTED ANALYSES

**Please check box or fill in blank as needed.**

[illegible]

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Date: 10/1/00 Time: 1:00

Date: 1/1/2000 Time: 1:00





CalScience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5404  
For courier service / sample drop off information, contact us28\_sales@eurofinsus.com or call us.

LABORATORY CLIENT:

EF1 Global

ADDRESS:

5261 W Imperial Hwy

CITY:

STATE:

ZIP:

TEL:

E-MAIL:

desi\_salgado@efiglobal.com

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

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

EOD

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

WO NO. / LAB USE ONLY

0682

CHAIN-OF-CUSTODY RECORD

Date 7/10/18

Page 4 of 7

P.O. NO.:

CLIENT PROJECT NAME / NO.:

9836003557 - Taft Charter High School

PROJECT CONTACT:

Desi Salgado

LAB CONTACT OR QUOTE NO.:

Nowak-965156

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Desi Salgado

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	TPH (g) <input type="checkbox"/> GRO	TPH (g) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C8 <input type="checkbox"/> C6-C14	TPH cc (8015)	BTEX / MTBE <input type="checkbox"/> B260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081) <input type="checkbox"/> OCPS	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" 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 (6020)		
		DATE	TIME																						
31	B10-0.5 DUP	7/10/18	10:07	S	1	X																			
32	B10-1.5		10:10			X																			
33	B10-3		10:15			X																			
34	B11-0.5		10:32			X																			
35	B11-1.5		10:35			X																			
36	B11-3		10:40			X																			
37	B12-0.5		11:32			X																			
38	B12-1.5		11:35			X																			
39	B12-3		11:40			X																			
40	B13-5		12:15		5	X	X					X		X								X			
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: 7/11/18 Time: 13:20													
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: 7/11/18 Time: 17:20													
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: Time:													

## CHAIN-OF-CUSTODY RECORD

Date 7/10/18 Page 5 of 7




2890


CLIENT PROJECT NAME / NO.: 9836003557 - Taft charter High School	P.O. NO.:
PROJECT CONTACT: Desi Salgado	LAB CONTACT OR QUOTE NO.: Nowak - 965156
GLOBAL ID:	SAMPLER(S): (PRINT) Desi Salgado
LOG CODE:	

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

	GRO
DRO	
C36 □ C6-C44	(0015)
E □ 8260 □	
	(8260)
□ En Core □ Terra Core	)
	081) OR
	70 □ 8270 SIM
96 □ 7199 □ 218.6	(0020)

[illegible]

Signature/Affiliation)		Date: 7/11/18	Time: 13:20
Signature/Affiliation)		Date: 7/11/18	Time: 17:30
Signature/Affiliation)		Date: 7/11/18	Time: 17:30

 <b>eurofins</b>		<b>Calscience</b>	
7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494 For courier service / sample drop off information, contact us28_sales@eurofinsus.com or call us.			
<b>LABORATORY CLIENT:</b> <b>EPI Global</b>			
<b>ADDRESS:</b>		<b>ZIP:</b>	
<b>CITY:</b>		<b>STATE:</b>	
<b>TEL:</b>		<b>E-MAIL:</b> desi.salgado@efiglobal.com	
<b>TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):</b>			
<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	
<b>EOD</b>		<input type="checkbox"/> COELT FDE	
<input type="checkbox"/> OTHER			

☐ SPECIAL INSTRUCTIONS:

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
A1	B13-10	7/10/18	12:25	S	5
A2	B13-15		12:35		5
A3	B14-0.5		13:12		1
A4	B14-1.5		13:13		
A5	B14-3		13:15		
A6	B15-0.5		13:22		
A7	B15-1.5		13:23		
A8	B15-3		13:25		
A9	B16-0.5		13:33		
S0	B16-1.8		13:35		

Relinquished by: (Signature)	Rec
Relinquished by: (Signature)	Rec
Relinquished by: (Signature)	Rec





## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: EFIDATE: 07/11/2018**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2-8 °C (w/ CF): 2-3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804**CUSTODY SEAL:**Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: \_\_\_\_\_

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input checked="" type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:** OPS 7/11/18(Trip Blank Lot Number: 18062913)

Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)  
☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> (pH\_\_2) ☐ 250PB ☒ 250PB<sub>n</sub> (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJ<sub>s</sub> (pH\_\_2) ☐ 500PB  
☒ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> (pH\_\_2) ☐ 1AGB<sub>s</sub> (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (P) ☐ EnCores® (\_\_\_\_) ☒ TerraCores® (3) 2021 ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>,Labeled/Checked by: 826s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 70

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Wednesday, July 25, 2018 1:03 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Steve,

Please run samples B5-1.5 and B5-3 for OCPs by 8081A on 3 day TAT. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Tuesday, July 24, 2018 3:24 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0682

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)





## Supplemental Report 2

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-07-0682

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** Taft Charter High School

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 08/10/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: Taft Charter High School  
 Work Order Number: 18-07-0682

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	7
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	7
	4.2 EPA 6020 ICP/MS Metals (Solid). . . . .	9
	4.3 EPA 7471A Mercury (Solid). . . . .	10
5	Quality Control Sample Data. . . . .	11
	5.1 MS/MSD. . . . .	11
	5.2 PDS/PDSD. . . . .	14
	5.3 LCS/LCSD. . . . .	15
6	Sample Analysis Summary. . . . .	18
7	Glossary of Terms and Qualifiers. . . . .	19
8	Chain-of-Custody/Sample Receipt Form. . . . .	20

**Work Order Narrative**

Work Order: 18-07-0682

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/11/18. They were assigned to Work Order 18-07-0682.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client: EFI Global Inc.	Work Order: 18-07-0682
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number: 9836003557
	Date/Time Received: 07/11/18 17:30
	Number of Containers: 85

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B2-1.5	18-07-0682-5	07/10/18 07:47	1	Solid
B9-1.5	18-07-0682-28	07/10/18 09:55	1	Solid
B11-1.5	18-07-0682-35	07/10/18 10:35	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 1 of 2

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B2-1.5 (18-07-0682-5)						
Barium	113		0.483	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.416		0.242	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.995		0.483	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.1		0.242	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.69		0.242	mg/kg	EPA 6010B	EPA 3050B
Copper	46.1		0.483	mg/kg	EPA 6010B	EPA 3050B
Lead	4.71		0.483	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	8.71		0.242	mg/kg	EPA 6010B	EPA 3050B
Nickel	19.4		0.242	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.76		0.725	mg/kg	EPA 6010B	EPA 3050B
Vanadium	26.1		0.242	mg/kg	EPA 6010B	EPA 3050B
Zinc	78.8		0.966	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.99		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0975		0.0833	mg/kg	EPA 7471A	EPA 7471A Total
B9-1.5 (18-07-0682-28)						
Barium	136		0.518	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.471		0.259	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.36		0.518	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.1		0.259	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.75		0.259	mg/kg	EPA 6010B	EPA 3050B
Copper	43.8		0.518	mg/kg	EPA 6010B	EPA 3050B
Lead	27.4		0.518	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.22		0.259	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.5		0.259	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.35		0.777	mg/kg	EPA 6010B	EPA 3050B
Vanadium	29.9		0.259	mg/kg	EPA 6010B	EPA 3050B
Zinc	162		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	25.5		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 2 of 2

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B11-1.5 (18-07-0682-35)						
Barium	138		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.511		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.39		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	29.9		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.54		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	30.9		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	29.3		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.96		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	20.2		0.246	mg/kg	EPA 6010B	EPA 3050B
Silver	0.375		0.246	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.9		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	130		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	15.2		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0896		0.0820	mg/kg	EPA 7471A	EPA 7471A Total

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B2-1.5</b>	<b>18-07-0682-5-A</b>	<b>07/10/18 07:47</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/30/18</b>	<b>08/07/18 15:32</b>	<b>180730L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.725	0.966	
Barium	113	0.483	0.966	
Beryllium	0.416	0.242	0.966	
Cadmium	0.995	0.483	0.966	
Chromium	27.1	0.242	0.966	
Cobalt	6.69	0.242	0.966	
Copper	46.1	0.483	0.966	
Lead	4.71	0.483	0.966	
Molybdenum	8.71	0.242	0.966	
Nickel	19.4	0.242	0.966	
Selenium	2.76	0.725	0.966	
Silver	ND	0.242	0.966	
Thallium	ND	0.725	0.966	
Vanadium	26.1	0.242	0.966	
Zinc	78.8	0.966	0.966	

<b>B9-1.5</b>	<b>18-07-0682-28-A</b>	<b>07/10/18 09:55</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/30/18</b>	<b>08/07/18 15:33</b>	<b>180730L01</b>
---------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.777	1.04	
Barium	136	0.518	1.04	
Beryllium	0.471	0.259	1.04	
Cadmium	1.36	0.518	1.04	
Chromium	26.1	0.259	1.04	
Cobalt	7.75	0.259	1.04	
Copper	43.8	0.518	1.04	
Lead	27.4	0.518	1.04	
Molybdenum	3.22	0.259	1.04	
Nickel	29.5	0.259	1.04	
Selenium	4.35	0.777	1.04	
Silver	ND	0.259	1.04	
Thallium	ND	0.777	1.04	
Vanadium	29.9	0.259	1.04	
Zinc	162	1.04	1.04	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11-1.5</b>	<b>18-07-0682-35-A</b>	<b>07/10/18 10:35</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/30/18</b>	<b>08/07/18 15:34</b>	<b>180730L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	138	0.493	0.985	
Beryllium	0.511	0.246	0.985	
Cadmium	1.39	0.493	0.985	
Chromium	29.9	0.246	0.985	
Cobalt	7.54	0.246	0.985	
Copper	30.9	0.493	0.985	
Lead	29.3	0.493	0.985	
Molybdenum	1.96	0.246	0.985	
Nickel	20.2	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	0.375	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	35.9	0.246	0.985	
Zinc	130	0.985	0.985	

<b>Method Blank</b>	<b>097-01-002-26719</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/30/18</b>	<b>08/01/18 19:05</b>	<b>180730L01</b>
---------------------	-------------------------	------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	ND	0.495	0.990	
Beryllium	ND	0.248	0.990	
Cadmium	ND	0.495	0.990	
Chromium	ND	0.248	0.990	
Cobalt	ND	0.248	0.990	
Copper	ND	0.495	0.990	
Lead	ND	0.495	0.990	
Molybdenum	ND	0.248	0.990	
Nickel	ND	0.248	0.990	
Selenium	ND	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	ND	0.248	0.990	
Zinc	ND	0.990	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B2-1.5</b>	<b>18-07-0682-5-A</b>	<b>07/10/18 07:47</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/30/18</b>	<b>08/02/18 06:15</b>	<b>180730L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.99		1.00	1.00		
<b>B9-1.5</b>	<b>18-07-0682-28-A</b>	<b>07/10/18 09:55</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/30/18</b>	<b>08/02/18 06:30</b>	<b>180730L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		25.5		1.00	1.00		
<b>B11-1.5</b>	<b>18-07-0682-35-A</b>	<b>07/10/18 10:35</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/30/18</b>	<b>08/02/18 06:33</b>	<b>180730L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		15.2		1.00	1.00		
<b>Method Blank</b>	<b>099-15-621-1702</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/30/18</b>	<b>08/01/18 18:37</b>	<b>180730L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		ND		1.00	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B2-1.5</b>	<b>18-07-0682-5-A</b>	<b>07/10/18 07:47</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 16:05</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0975		0.0833	1.00		
<b>B9-1.5</b>	<b>18-07-0682-28-A</b>	<b>07/10/18 09:55</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 16:12</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0806	1.00		
<b>B11-1.5</b>	<b>18-07-0682-35-A</b>	<b>07/10/18 10:35</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 16:14</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0896		0.0820	1.00		
<b>Method Blank</b>	<b>099-16-272-4024</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:17</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1834-1	Sample	Solid	ICP 8300	07/30/18	08/02/18 15:16	180730S01
18-07-1834-1	Matrix Spike	Solid	ICP 8300	07/30/18	08/02/18 15:17	180730S01
18-07-1834-1	Matrix Spike Duplicate	Solid	ICP 8300	07/30/18	08/02/18 15:17	180730S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	21.34	85	22.65	91	50-115	6	0-20	
Barium	43.03	25.00	63.68	83	65.00	88	75-125	2	0-20	
Beryllium	ND	25.00	25.23	101	26.45	106	75-125	5	0-20	
Cadmium	ND	25.00	25.27	101	25.87	103	75-125	2	0-20	
Chromium	5.719	25.00	30.38	99	31.00	101	75-125	2	0-20	
Cobalt	0.5610	25.00	27.80	109	29.15	114	75-125	5	0-20	
Copper	165.2	25.00	167.2	4X	173.1	4X	75-125	4X	0-20	Q
Lead	2.448	25.00	26.75	97	28.30	103	75-125	6	0-20	
Molybdenum	4.557	25.00	28.02	94	29.24	99	75-125	4	0-20	
Nickel	5.592	25.00	30.30	99	31.22	103	75-125	3	0-20	
Selenium	4.195	25.00	29.21	100	30.42	105	75-125	4	0-20	
Silver	0.5870	12.50	13.10	100	13.43	103	75-125	2	0-20	
Thallium	ND	25.00	18.14	73	22.26	89	75-125	20	0-20	3
Vanadium	22.46	25.00	44.88	90	46.19	95	75-125	3	0-20	
Zinc	175.3	25.00	173.7	4X	182.8	4X	75-125	4X	0-20	Q

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-07-1309-1	Sample	Sediment	ICP/MS 05	07/30/18	08/01/18 19:09	180730S02				
18-07-1309-1	Matrix Spike	Sediment	ICP/MS 05	07/30/18	08/07/18 18:51	180730S02				
18-07-1309-1	Matrix Spike Duplicate	Sediment	ICP/MS 05	07/30/18	08/07/18 18:54	180730S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	2.653	25.00	28.36	103	30.02	109	80-120	6	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1559-1	Sample	Solid	Mercury 08	07/31/18	07/31/18 15:22	180731S02
18-07-1559-1	Matrix Spike	Solid	Mercury 08	07/31/18	07/31/18 15:24	180731S02
18-07-1559-1	Matrix Spike Duplicate	Solid	Mercury 08	07/31/18	07/31/18 15:26	180731S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7756	93	0.7511	90	71-137	3	0-14	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-07-1309-1	Sample	Sediment	ICP/MS 05	07/30/18 00:00	08/01/18 19:09	180730S02
18-07-1309-1	PDS	Sediment	ICP/MS 05	07/30/18 00:00	08/07/18 18:58	180730S02
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	2.653	25.00	28.25	102	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26719</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/30/18</b>	<b>08/01/18 19:06</b>	<b>180730L01</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.67	91	80-120	73-127	
Barium	25.00	23.97	96	80-120	73-127	
Beryllium	25.00	22.42	90	80-120	73-127	
Cadmium	25.00	27.04	108	80-120	73-127	
Chromium	25.00	23.77	95	80-120	73-127	
Cobalt	25.00	25.35	101	80-120	73-127	
Copper	25.00	23.40	94	80-120	73-127	
Lead	25.00	24.47	98	80-120	73-127	
Molybdenum	25.00	23.17	93	80-120	73-127	
Nickel	25.00	27.11	108	80-120	73-127	
Selenium	25.00	22.95	92	80-120	73-127	
Silver	12.50	10.62	85	80-120	73-127	
Thallium	25.00	21.85	87	80-120	73-127	
Vanadium	25.00	23.33	93	80-120	73-127	
Zinc	25.00	24.37	97	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1702</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/30/18</b>	<b>08/01/18 18:40</b>	<b>180730L02A</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	24.21	97	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4024</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:19</b>	<b>180731L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	1.012	121	85-121	

[Return to Contents](#)

## Sample Analysis Summary Report

Work Order: 18-07-0682

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	868	ICP 8300	1
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-07-0682

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





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

0692

Date 7/10/18

Page 2 of 7

LABORATORY CLIENT: <b>EFI Global</b>		CLIENT PROJECT NAME / NO.: <b>9836 003557 - Taft Charter High School</b>		P.O. NO.:	
ADDRESS:		PROJECT CONTACT: <b>Desi Salgado</b>		LAB CONTACT OR QUOTE NO.: <b>Nowak - 965156</b>	
CITY: STATE: ZIP:		GLOBAL ID:		LOG CODE:	
TEL:		E-MAIL: <b>desi-salgado@efiglobal.com</b>		SAMPLER(S): (PRINT) <b>Desi Salgado</b>	
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:					
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"/> C8-C38 <input type="checkbox"/> C8-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)	<del>Pesticides</del> (8081) <b>OCPs</b>	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<b>Arsenic (6020)</b>								
		DATE	TIME																												
11	B4-1.5	7/10/18	08:25	S	1	X												X			X		X								
12	B4-3	↓	08:30	↓	↓	X																									
13	B5-0.5		08:38			X														X	X		X		X						
14	B5-0.5 DUP		08:38			X														X			X		X						
15	B5-1.5		08:41			X																									
16	B5-3		08:45			X																									
17	B6-0.5		08:52			X											X				X			X		X					
18	B6-1.5		08:55			X																									
19	B6-3		09:00			X																									
20	B7-0.5		09:23			X															X			X		X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: <u>7/11/18</u>	Time: <u>13.20</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: <u>7/11/18</u>	Time: <u>1730</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:









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

Date 7/10/18  
Page 6 of 7

LABORATORY CLIENT:

**EFI Global**

ADDRESS:

CITY:

STATE:

ZIP:

TEL:

**310-854-6300**

E-MAIL:

**desi.salgado@efiglobal.com**

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.:

**9836003557 - Taft Charter High School**

P.O. NO.:

PROJECT CONTACT:

**Desi Salgado**

LAB CONTACT OR QUOTE NO.:

**Nowak-965156**

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

**Desi Salgado**

## REQUESTED ANALYSES

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"/> C8-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)	<del>Pesticides</del> (8081) <b>OCPs</b>	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<b>Arsenic (6020)</b>							
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.																									
		DATE	TIME																											
51	B16-3	7/10/18	13:40	S	1	X																		X	PS					
52	B17-0.5		13:47			X												X			X		X							
53	B17-1.5		13:50			X																								
54	B17-3		13:55			X																								
55	B18-0.5		14:07			X												X			X		X							
56	B18-1.5		14:10			X																								
57	B18-3		14:15			X								X																
58	B19-0.5		14:32			X												X			X		X							
59	B19-1.5		14:33			X																								
60	B19-3		14:35			X																								

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Date:

**7/11/18**

Time:

**1320**

Date:

**7/11/18**

Time:

**1730**

Date:

Time:



## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EFIDATE: 07/11/2018**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2-8 °C (w/ CF): 2-3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804**CUSTODY SEAL:**Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: \_\_\_\_\_

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input checked="" type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:** OPS 7/11/18(Trip Blank Lot Number: 18062913)

Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)  
☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> (pH\_\_2) ☐ 250PB ☒ 250PB<sub>n</sub> (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJ<sub>s</sub> (pH\_\_2) ☐ 500PB  
☒ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> (pH\_\_2) ☐ 1AGB<sub>s</sub> (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (P) ☐ EnCores® (\_\_\_\_) ☒ TerraCores® (3) 2021 ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>,Labeled/Checked by: 826s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 70

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Wednesday, July 25, 2018 1:03 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Steve,

Please run samples B5-1.5 and B5-3 for OCPs by 8081A on 3 day TAT. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Tuesday, July 24, 2018 3:24 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0682

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)



## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, July 26, 2018 12:55 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL\*

Steve,

I'd like to request lead STLC analysis for sample B37-0.5 and the following samples for arsenic by 6020 and Title 22 Metals by 6010B/7471A:

- B2-1.5
- B9-1.5
- B11-1.5
- B24-1.5
- B34-1.5
- B37-1.5
- B41-1.5
- B43-1.5
- B49-1.5

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]

**Sent:** Tuesday, July 24, 2018 4:38 PM

**To:** Salgado, Desi

**Cc:** Lutmer, Christine

**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way



## Supplemental Report 3

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-07-0682

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** Taft Charter High School

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 09/05/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: Taft Charter High School  
 Work Order Number: 18-07-0682

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	6
	4.2 EPA 6010B STLC ICP Metals (Aqueous). . . . .	8
	4.3 EPA 6020 ICP/MS Metals (Solid). . . . .	9
	4.4 EPA 7471A Mercury (Solid). . . . .	10
5	Quality Control Sample Data. . . . .	11
	5.1 MS/MSD. . . . .	11
	5.2 PDS/PDSD. . . . .	15
	5.3 LCS/LCSD. . . . .	17
6	Sample Analysis Summary. . . . .	21
7	Glossary of Terms and Qualifiers. . . . .	22
8	Chain-of-Custody/Sample Receipt Form. . . . .	23

**Work Order Narrative**

Work Order: 18-07-0682

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/11/18. They were assigned to Work Order 18-07-0682.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

---

Client:	EFI Global Inc.	Work Order:	18-07-0682
	5261 West Imperial Highway	Project Name:	Taft Charter High School
	Los Angeles, CA 90045-6231	PO Number:	9836003557
		Date/Time Received:	07/11/18 17:30
		Number of Containers:	85

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B2-0.5	18-07-0682-4	07/10/18 07:42	1	Solid
B4-0.5	18-07-0682-10	07/10/18 08:23	1	Solid
B9-3	18-07-0682-29	07/10/18 10:00	1	Solid
B11-3	18-07-0682-36	07/10/18 10:40	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0682  
Project Name: Taft Charter High School  
Received: 07/11/18

Attn: Desi Salgado

Page 1 of 1

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B2-0.5 (18-07-0682-4)						
Lead	2.82		0.100	mg/L	EPA 6010B	T22.11.5. All
B4-0.5 (18-07-0682-10)						
Lead	1.67		0.100	mg/L	EPA 6010B	T22.11.5. All
B9-3 (18-07-0682-29)						
Barium	173		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.606		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.13		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	14.3		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.35		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	18.6		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	2.50		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.91		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.2		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.784		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.66		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.1		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	40.7		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.35		5.00	mg/kg	EPA 6020	EPA 3050B
B11-3 (18-07-0682-36)						
Barium	148		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.710		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.31		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.2		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.22		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	39.3		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	4.61		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	8.06		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.5		0.246	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.54		0.739	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.61		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.5		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	83.0		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.62		5.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B9-3</b>	<b>18-07-0682-29-A</b>	<b>07/10/18 10:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/23/18</b>	<b>08/25/18 21:23</b>	<b>180823L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	173	0.498	0.995	
Beryllium	0.606	0.249	0.995	
Cadmium	1.13	0.498	0.995	
Chromium	14.3	0.249	0.995	
Cobalt	5.35	0.249	0.995	
Copper	18.6	0.498	0.995	
Lead	2.50	0.498	0.995	
Molybdenum	1.91	0.249	0.995	
Nickel	26.2	0.249	0.995	
Selenium	0.784	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.66	0.746	0.995	
Vanadium	31.1	0.249	0.995	
Zinc	40.7	0.995	0.995	

<b>B11-3</b>	<b>18-07-0682-36-A</b>	<b>07/10/18 10:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/23/18</b>	<b>08/25/18 21:25</b>	<b>180823L05</b>
--------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	148	0.493	0.985	
Beryllium	0.710	0.246	0.985	
Cadmium	1.31	0.493	0.985	
Chromium	27.2	0.246	0.985	
Cobalt	8.22	0.246	0.985	
Copper	39.3	0.493	0.985	
Lead	4.61	0.493	0.985	
Molybdenum	8.06	0.246	0.985	
Nickel	35.5	0.246	0.985	
Selenium	1.54	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.61	0.739	0.985	
Vanadium	39.5	0.246	0.985	
Zinc	83.0	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26857	N/A	Solid	ICP 8300	08/23/18	08/25/18 16:43	180823L05

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B2-0.5</b>	<b>18-07-0682-4-A</b>	<b>07/10/18 07:42</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 18:00</b>	<b>180824LA1</b>

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	2.82	0.100	1.00	

<b>B4-0.5</b>	<b>18-07-0682-10-A</b>	<b>07/10/18 08:23</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 18:01</b>	<b>180824LA1</b>
---------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	1.67	0.100	1.00	

<b>Method Blank</b>	<b>097-05-006-9699</b>	<b>N/A</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 17:34</b>	<b>180824LA1</b>
---------------------	------------------------	------------	----------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	ND	0.100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B9-3</b>	<b>18-07-0682-29-A</b>	<b>07/10/18 10:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/30/18</b>	<b>08/31/18 16:18</b>	<b>180830L01A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.35		5.00	5.00		
<b>B11-3</b>	<b>18-07-0682-36-A</b>	<b>07/10/18 10:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/30/18</b>	<b>08/31/18 16:22</b>	<b>180830L01A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.62		5.00	5.00		
<b>Method Blank</b>	<b>099-15-621-1727</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/30/18</b>	<b>08/31/18 15:01</b>	<b>180830L01A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		ND		1.00	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B9-3</b>	<b>18-07-0682-29-A</b>	<b>07/10/18 10:00</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/21/18</b>	<b>08/21/18 19:22</b>	<b>180821L06A</b>

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0862	1.00	BU,ET

<b>B11-3</b>	<b>18-07-0682-36-A</b>	<b>07/10/18 10:40</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/21/18</b>	<b>08/21/18 19:24</b>	<b>180821L06A</b>
--------------	------------------------	-----------------------	--------------	-------------------	-----------------	-----------------------	-------------------

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0820	1.00	BU,ET

<b>Method Blank</b>	<b>099-16-272-4074</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/21/18</b>	<b>08/21/18 19:11</b>	<b>180821L06A</b>
---------------------	------------------------	------------	--------------	-------------------	-----------------	-----------------------	-------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0833	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1843-6	Sample	Solid	ICP 8300	08/23/18	08/25/18 16:46	180823S05
18-08-1843-6	Matrix Spike	Solid	ICP 8300	08/23/18	08/25/18 16:48	180823S05
18-08-1843-6	Matrix Spike Duplicate	Solid	ICP 8300	08/23/18	08/25/18 16:50	180823S05

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	13.21	53	11.73	47	50-115	12	0-20	3
Barium	61.03	25.00	112.9	207	119.3	233	75-125	5	0-20	3
Beryllium	0.3482	25.00	26.09	103	24.76	98	75-125	5	0-20	
Cadmium	ND	25.00	27.83	111	26.36	105	75-125	5	0-20	
Chromium	15.77	25.00	49.75	136	40.32	98	75-125	21	0-20	3,4
Cobalt	5.274	25.00	33.71	114	32.51	109	75-125	4	0-20	
Copper	6.659	25.00	37.09	122	35.66	116	75-125	4	0-20	
Lead	2.036	25.00	29.27	109	27.30	101	75-125	7	0-20	
Molybdenum	ND	25.00	22.90	92	21.75	87	75-125	5	0-20	
Nickel	27.12	25.00	70.74	174	60.54	134	75-125	16	0-20	3
Selenium	ND	25.00	23.81	95	23.33	93	75-125	2	0-20	
Silver	ND	12.50	12.27	98	11.75	94	75-125	4	0-20	
Thallium	ND	25.00	25.24	101	23.68	95	75-125	6	0-20	
Vanadium	13.79	25.00	52.03	153	42.41	114	75-125	20	0-20	3
Zinc	15.52	25.00	49.20	135	42.96	110	75-125	14	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-0436-2	Sample	Concrete	ICP 8300	08/22/18	08/28/18 17:39	180824SA1
18-08-0436-2	Matrix Spike	Concrete	ICP 8300	08/22/18	08/28/18 17:40	180824SA1
18-08-0436-2	Matrix Spike Duplicate	Concrete	ICP 8300	08/22/18	08/28/18 17:42	180824SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.483	110	5.558	111	75-125	1	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-2199-1	Sample	Filter	ICP/MS 05	08/30/18	08/31/18 15:22	180830S01
18-08-2199-1	Matrix Spike	Filter	ICP/MS 05	08/30/18	08/31/18 15:08	180830S01
18-08-2199-1	Matrix Spike Duplicate	Filter	ICP/MS 05	08/30/18	08/31/18 16:29	180830S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	600.0	659.1	110	601.6	100	80-120	9	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18

Work Order: 18-07-0682

Preparation: EPA 7471A Total

Method: EPA 7471A

Project: Taft Charter High School

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-0997-7	Sample	Sediment	Mercury 07	08/21/18	08/21/18 19:15	180821S06
18-08-0997-7	Matrix Spike	Sediment	Mercury 07	08/21/18	08/21/18 19:18	180821S06
18-08-0997-7	Matrix Spike Duplicate	Sediment	Mercury 07	08/21/18	08/21/18 19:20	180821S06

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.2819	0.8350	1.016	88	1.068	94	76-136	5	0-16	

[Return to Contents](#)

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-08-0436-2	Sample	Concrete	ICP 8300	08/22/18 00:00	08/28/18 17:39	180824SA1
18-08-0436-2	PDS	Concrete	ICP 8300	08/22/18 00:00	08/28/18 17:43	180824SA1
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Lead	ND	5.000	5.219	104	75-125	

[Return to Contents](#)

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-08-2199-1	Sample	Filter	ICP/MS 05	08/30/18 00:00	08/31/18 15:22	180830S01
18-08-2199-1	PDS	Filter	ICP/MS 05	08/30/18 00:00	08/31/18 15:15	180830S01
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	ND	600.0	640.1	107	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-26857	LCS	Solid	ICP 8300	08/23/18	08/25/18 16:45	180823L05
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	20.66	83	80-120	73-127	
Barium	25.00	23.91	96	80-120	73-127	
Beryllium	25.00	22.37	89	80-120	73-127	
Cadmium	25.00	23.47	94	80-120	73-127	
Chromium	25.00	23.34	93	80-120	73-127	
Cobalt	25.00	23.16	93	80-120	73-127	
Copper	25.00	22.94	92	80-120	73-127	
Lead	25.00	25.70	103	80-120	73-127	
Molybdenum	25.00	22.81	91	80-120	73-127	
Nickel	25.00	23.36	93	80-120	73-127	
Selenium	25.00	21.55	86	80-120	73-127	
Silver	12.50	11.33	91	80-120	73-127	
Thallium	25.00	23.28	93	80-120	73-127	
Vanadium	25.00	22.37	89	80-120	73-127	
Zinc	25.00	24.15	97	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-05-006-9699</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 17:36</b>	<b>180824LA1</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	5.000	5.827	117	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1727</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/30/18</b>	<b>08/31/18 15:05</b>	<b>180830L01A</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	25.52	102	80-120	

  
Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/11/18  
Work Order: 18-07-0682  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4074</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/21/18</b>	<b>08/21/18 19:13</b>	<b>180821L06A</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.8082	97	85-121	

Return to Contents

## Sample Analysis Summary Report

Work Order: 18-07-0682

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	110	ICP 8300	1
EPA 6010B	T22.11.5. All	110	ICP 8300	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7471A	EPA 7471A Total	110	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 07	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-07-0682

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





WFO NO. / LAB USE ONLY

Date 7/10/18  
Page 2 of

**CLIENT PROJECT NAME / NO.:**

9836003557-Taft Charter High School

**PROJECT CONTACT:**

—

GLOBAL ID:	LOG CODE:
------------	-----------

Desi Salgado

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

### REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	ANALYSIS																		
		DATE	TIME			Unpreserved	Preserved	Field Filtered	TPH(g) □ GRO	□ TPH(d) □ DRO	TPH □ C6-C36 □ C6-C44	TPH	BTEX / MTBE □ 8260 □	VOCs (8260)	Oxygenates (8260)	Prep (5035) □ En Core □ Terra Core	SVOCs (8270)	Polynuclears (8081) <i>OCPS</i>	PCBs (8082)	PAHs □ 8270 □ 8270 SIM	T22 Metals <i>6010/747X</i> □ 6020/747X	Cr(VI) □ 7196 □ 7199 □ 218.6	Arsenic (6020)	
11	B4-1.5	7/10/10	08:25	S	1	X											X			X			X	
12	B4-3		08:30			X														X				
13	B5-0.5		08:30			X														X				
14	B5-0.5 DUP		08:30			X														X				
15	B5-1.5		08:41			X														X				
16	B5-3		08:45			X														X				
17	B6-0.5		08:52			X														X				
18	B6-1.5		08:55			X																		
19	B6-3		09:00			X																		
20	B7-9.5		09:23			X														X				

Received by: (Signature/Affiliation) *[Signature]*

Received by: (Signature/Affiliation) *[Signature]*

Received by: (Signature/Affiliation) *[Signature]*

Date: 7/11/10

Date: 7/11/10

Date: 7/11/10

Time: 13:20

Time: 1730

Time: 1730

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

2016-04-01-Revision



# Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5494  
For courier service / sample drop off information, contact us26\_sales@eurofinsus.com or call us.

LABORATORY CLIENT:

EF1 Global

CITY:

**STATE:**

**ZIP:**

**E-MAIL:**

E-MAIL: [desi.salgado@efiglobal.com](mailto:desi.salgado@efiglobal.com)

**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:**

## CHAIN-OF-CUSTODY RECORD

Date 7/10/18

Page 3 of 3

**WO NO. / LAB USE ONLY**

**CLIENT PROJECT NAME / NO.:**

CLIENT PROJECT NAME / NO.: Tafel Charter  
9836003557 - High School

PROJECT CONTACT:

**PROJECT CONTACT:**

Desi Salgado

GLOBAL ID:	LOG CODE:
------------	-----------

**P.O. NO.:**

LAB CONTACT OR QUOTE NO.:

Nowak-965152

**SAMPLER(S): (PRINT)**

Desi Salgado

## REQUESTED ANALYSES

**Please check box or fill in blank as needed.**

[illegible]



Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5404  
For courier service / sample drop off information, contact us28\_sales@eurofinsus.com or call us.

LABORATORY CLIENT:

EF1 Global

ADDRESS:

5261 W Imperial Hwy

CITY:

STATE:

ZIP:

TEL:

E-MAIL:

desi\_salgado@efiglobal.com

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

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

EOO

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

WO NO. / LAB USE ONLY

0682

CHAIN-OF-CUSTODY RECORD

Date 7/10/18

Page 4 of 7

P.O. NO.:

CLIENT PROJECT NAME / NO.:

9836003557 - Taft Charter High School

PROJECT CONTACT:

Desi Salgado

LAB CONTACT OR QUOTE NO.:

Nowak-965156

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

Desi Salgado

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	TPH (g) <input type="checkbox"/> GRO	TPH (g) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C8 <input type="checkbox"/> C6-C14	TPH (g) (8015)	BTEX / MTBE <input type="checkbox"/> B260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" 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 (6020)		
		DATE	TIME																					
31	B10-0.5 DUP	7/10/18	10:07	S	1	X																		
32	B10-1.5		10:10			X																		
33	B10-3		10:15			X																		
34	B11-0.5		10:32			X																		
35	B11-1.5		10:35			X																		
36	B11-3		10:40			X																		
37	B12-0.5		11:32			X																		
38	B12-1.5		11:35			X																		
39	B12-3		11:40			X																		
40	B13-5		12:15		5	X	X					X		X							X			
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: 7/11/18 Time: 13:20												
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: 7/11/18 Time: 17:20												
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: Time:												



Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5494  
For courier service / sample drop off information, contact us26\_sales@eurofins.com or call us.

LABORATORY CLIENT:

EFI Global

ADDRESS:

CITY:

STATE:

ZIP:

TEL:

E-MAIL:

desi.salgado@efiglobal.com

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:

# CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

0682

Date 7/10/18

Page 5 of 7

CLIENT PROJECT NAME / NO.: Tatt Charter 9836003557 - High School		P.O. NO.:	
PROJECT CONTACT: Desi Salgado		LAB CONTACT OR QUOTE NO.: 909K - 9/5/56	
GLOBAL ID:		SAMPLER(S): (PRINT) Desi Salgado	
LOG CODE:			
<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.			
<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <u>cc (805)</u>	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>
<input type="checkbox"/> VOCs (8260)	<input type="checkbox"/> Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)
<input type="checkbox"/> Pesticides (8081) <u>OCs</u>	<input type="checkbox"/> PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X
<input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<input checked="" type="checkbox"/> Arsenic (6020)		
Unpreserved	Preserved	Field Filtered	
H1 B13-10	H2 B13-15	H3 B14-0.5	H4 B14-1.5
H5 B14-3	H6 B15-0.5	H7 B15-1.5	H8 B15-3
H9 B16-0.5	H10 B16-1.5		
NO. OF CONT.		MATRIX	SAMPLING DATE TIME
5		S	7/10/18 12:25
5			12:35
1			13:12
			13:13
			13:15
			13:22
			13:23
			13:25
			13:33
			13:35
Received by: (Signature/Affiliation)		Date: 7/11/18 Time: 13:20	
Relinquished by: (Signature)		Date: 7/11/18 Time: 1730	
Relinquished by: (Signature)		Date:	





## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EFIDATE: 07/11/2018**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2-8 °C (w/ CF): 2-3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804**CUSTODY SEAL:**Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: \_\_\_\_\_

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input checked="" type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:** OPS 7/11/18(Trip Blank Lot Number: 18062913)

Aqueous: ☐ VOA ☒ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☒ 250PBn (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☒ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve P ☐ EnCores® ( ) ☒ TerraCores® (3) 20211 ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix ( ): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>,Labeled/Checked by: 826s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 70

**Hoaibao Nguyen**

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Wednesday, August 22, 2018 11:41 AM  
**To:** Stephen Nowak; Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Yes. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:[StephenNowak@eurofinsUS.com](mailto:StephenNowak@eurofinsUS.com)]  
**Sent:** Wednesday, August 22, 2018 11:39 AM  
**To:** Salgado, Desi; Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

Desi- for lead analysis only, correct?

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)



The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. Email transmission cannot be guaranteed to be secure or error free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete. The sender therefore is in no way liable for any errors or omissions in the content of this message which may arise as a result of email transmission. If verification is required, please request a hard copy. We take reasonable precautions to ensure our emails

are free from viruses. You need, however, to verify that this email and any attachments are free of viruses, as we can take no responsibility for any computer viruses, which might be transferred by way of this email. We may monitor all email communication through our networks. If you contact us by email, we may store your name and address to facilitate communication.

---

**From:** Salgado, Desi [<mailto:Desi.Salgado@EFIGLOBAL.com>]  
**Sent:** Wednesday, August 22, 2018 9:56 AM  
**To:** Hoaibao Nguyen  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL \*

Tina and Steve,

I would also like to request STLC analysis for the following samples:

B2-0.5  
 B4-0.5  
 B37-1.5

Standard TAT. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Hoaibao Nguyen [<mailto:HoaibaoNguyen@eurofinsUS.com>]  
**Sent:** Friday, August 17, 2018 4:48 PM  
**To:** Salgado, Desi  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

You're welcome! Have a great weekend!

Best Regards,

Hoaibao (Tina) Nguyen  
 Assistant Project Manager

**Eurofins Calscience, LLC**  
 P: +1 714 895 5494  
 Email: [HoaibaoNguyen@EurofinsUS.com](mailto:HoaibaoNguyen@EurofinsUS.com)

---

**From:** Salgado, Desi [<mailto:Desi.Salgado@EFIGLOBAL.com>]  
**Sent:** Friday, August 17, 2018 4:46 PM  
**To:** Hoaibao Nguyen

## Hoaibao Nguyen

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Friday, August 17, 2018 4:31 PM  
**To:** Hoaibao Nguyen  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

3-day TAT please. Thank you.

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Hoaibao Nguyen [mailto:[HoaibaoNguyen@eurofinsUS.com](mailto:HoaibaoNguyen@eurofinsUS.com)]  
**Sent:** Friday, August 17, 2018 2:57 PM  
**To:** Salgado, Desi  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

Hi Desi,

Standard TAT?

Best Regards,

Hoaibao (Tina) Nguyen  
 Assistant Project Manager

**Eurofins Calscience, LLC**  
 P: +1 714 895 5494  
 Email: [HoaibaoNguyen@EurofinsUS.com](mailto:HoaibaoNguyen@EurofinsUS.com)

---

**From:** Stephen Nowak  
**Sent:** Friday, August 17, 2018 2:48 PM  
**To:** Hoaibao Nguyen  
**Subject:** FW: Taft Charter High School / ECI 18-07-0682

---

**From:** Salgado, Desi  
**Sent:** Friday, August 17, 2018 2:48:06 PM (UTC-08:00) Pacific Time (US & Canada)  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

**Hoaibao Nguyen**

---

**From:** Stephen Nowak  
**Sent:** Friday, August 17, 2018 2:48 PM  
**To:** Hoaibao Nguyen  
**Subject:** FW: Taft Charter High School / ECI 18-07-0682

---

**From:** Salgado, Desi  
**Sent:** Friday, August 17, 2018 2:48:06 PM (UTC-08:00) Pacific Time (US & Canada)  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Steve,

Please submit the following samples for analysis for arsenic by EPA 6020 and Title 22 metals by EPA 6010B/7471A:

B9-3  
 B11-3  
 B37-3  
 B42-3

These samples are from reports 18-07-0811 and -0682. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:StephenNowak@eurofinsUS.com]  
**Sent:** Friday, August 10, 2018 11:27 AM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0682

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Wednesday, July 25, 2018 1:03 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Steve,

Please run samples B5-1.5 and B5-3 for OCPs by 8081A on 3 day TAT. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Tuesday, July 24, 2018 3:24 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0682

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)



## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, July 26, 2018 12:55 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL\*

Steve,

I'd like to request lead STLC analysis for sample B37-0.5 and the following samples for arsenic by 6020 and Title 22 Metals by 6010B/7471A:

- B2-1.5
- B9-1.5
- B11-1.5
- B24-1.5
- B34-1.5
- B37-1.5
- B41-1.5
- B43-1.5
- B49-1.5

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]

**Sent:** Tuesday, July 24, 2018 4:38 PM

**To:** Salgado, Desi

**Cc:** Lutmer, Christine

**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak

Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way



**Calscience**



**WORK ORDER NUMBER: 18-07-0811**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** Taft Charter High School

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 07/24/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: Taft Charter High School  
 Work Order Number: 18-07-0811

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	7
4	Client Sample Data. . . . .	28
	4.1 EPA 8015B (M) C6-C44 (Aqueous). . . . .	28
	4.2 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	30
	4.3 EPA 6010B/7470A CAC Title 22 Metals (Aqueous). . . . .	53
	4.4 EPA 6020 ICP/MS Metals (Aqueous). . . . .	54
	4.5 EPA 6020 ICP/MS Metals (Solid). . . . .	55
	4.6 EPA 7470A Mercury (Aqueous). . . . .	61
	4.7 EPA 7471A Mercury (Solid). . . . .	62
	4.8 EPA 8081A Organochlorine Pesticides (Solid). . . . .	68
	4.9 EPA 8081A Organochlorine Pesticides (Aqueous). . . . .	115
	4.10 EPA 8082 PCB Aroclors (Solid). . . . .	117
	4.11 EPA 8082 PCB Aroclors (Aqueous). . . . .	120
	4.12 EPA 8260B Volatile Organics (Aqueous). . . . .	121
5	Quality Control Sample Data. . . . .	133
	5.1 MS/MSD. . . . .	133
	5.2 PDS/PDSD. . . . .	150
	5.3 LCS/LCSD. . . . .	154
6	Sample Analysis Summary. . . . .	180
7	Glossary of Terms and Qualifiers. . . . .	181
8	Chain-of-Custody/Sample Receipt Form. . . . .	182

**Work Order Narrative**

Work Order: 18-07-0811

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/12/18. They were assigned to Work Order 18-07-0811.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-07-0811
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 07/12/18 16:30
	Number of Containers: 109
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B21-0.5	18-07-0811-1	07/11/18 07:31	1	Solid
B21-0.5 DUP	18-07-0811-2	07/11/18 07:31	1	Solid
B21-1.5	18-07-0811-3	07/11/18 07:32	1	Solid
B21-3	18-07-0811-4	07/11/18 07:33	1	Solid
B22-0.5	18-07-0811-5	07/11/18 07:41	1	Solid
B22-0.5 DUP	18-07-0811-6	07/11/18 07:41	1	Solid
B22-1.5	18-07-0811-7	07/11/18 07:42	1	Solid
B22-3	18-07-0811-8	07/11/18 07:43	1	Solid
B23-0.5	18-07-0811-9	07/11/18 07:51	1	Solid
B23-0.5 DUP	18-07-0811-10	07/11/18 07:51	1	Solid
B23-1.5	18-07-0811-11	07/11/18 07:52	1	Solid
B23-3	18-07-0811-12	07/11/18 07:53	1	Solid
B24-0.5	18-07-0811-13	07/11/18 08:05	1	Solid
B24-0.5 DUP	18-07-0811-14	07/11/18 08:05	1	Solid
B24-1.5	18-07-0811-15	07/11/18 08:06	1	Solid
B24-3	18-07-0811-16	07/11/18 08:07	1	Solid
B25-0.5	18-07-0811-17	07/11/18 08:40	1	Solid
B25-0.5 DUP	18-07-0811-18	07/11/18 08:40	1	Solid
B25-1.5	18-07-0811-19	07/11/18 08:42	1	Solid
B25-3	18-07-0811-20	07/11/18 08:43	1	Solid
B26-0.5	18-07-0811-21	07/11/18 08:50	1	Solid
B26-0.5 DUP	18-07-0811-22	07/11/18 08:50	1	Solid
B26-1.5	18-07-0811-23	07/11/18 08:52	1	Solid
B26-3	18-07-0811-24	07/11/18 08:54	1	Solid
B27-0.5	18-07-0811-25	07/11/18 09:25	1	Solid
B27-1.5	18-07-0811-26	07/11/18 09:27	1	Solid
B27-3	18-07-0811-27	07/11/18 09:29	1	Solid
B28-0.5	18-07-0811-28	07/11/18 09:45	1	Solid
B28-1.5	18-07-0811-29	07/11/18 09:47	1	Solid
B28-3	18-07-0811-30	07/11/18 09:49	1	Solid
B29-0.5	18-07-0811-31	07/11/18 10:00	1	Solid
B29-1.5	18-07-0811-32	07/11/18 10:02	1	Solid
B29-3	18-07-0811-33	07/11/18 10:04	1	Solid
B30-0.5	18-07-0811-34	07/11/18 10:16	1	Solid
B30-1.5	18-07-0811-35	07/11/18 10:18	1	Solid
B30-3	18-07-0811-36	07/11/18 10:20	1	Solid
B31-0.5	18-07-0811-37	07/11/18 10:41	1	Solid
B31-0.5 DUP	18-07-0811-38	07/11/18 10:41	1	Solid
B31-1.5	18-07-0811-39	07/11/18 10:43	1	Solid
B31-3	18-07-0811-40	07/11/18 10:45	1	Solid
B32-0.5	18-07-0811-41	07/11/18 10:48	1	Solid
B32-01.5	18-07-0811-42	07/11/18 10:50	1	Solid

[Return to Contents](#)



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-07-0811
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 07/12/18 16:30
	Number of Containers: 109
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B32-3	18-07-0811-43	07/11/18 10:52	1	Solid
B33-0.5	18-07-0811-44	07/11/18 11:00	1	Solid
B33-1.5	18-07-0811-45	07/11/18 11:02	1	Solid
B33-3	18-07-0811-46	07/11/18 11:04	1	Solid
B34-0.5	18-07-0811-47	07/11/18 11:15	1	Solid
B34-0.5 DUP	18-07-0811-48	07/11/18 11:15	1	Solid
B34-1.5	18-07-0811-49	07/11/18 11:17	1	Solid
B34-3	18-07-0811-50	07/11/18 11:19	1	Solid
B35-0.5	18-07-0811-51	07/11/18 11:51	1	Solid
B35-0.5 DUP	18-07-0811-52	07/11/18 11:51	1	Solid
B35-1.5	18-07-0811-53	07/11/18 11:53	1	Solid
B35-3	18-07-0811-54	07/11/18 11:55	1	Solid
B36-0.5	18-07-0811-55	07/11/18 12:00	1	Solid
B36-1.5	18-07-0811-56	07/11/18 12:02	1	Solid
B36-3	18-07-0811-57	07/11/18 12:04	1	Solid
B37-0.5	18-07-0811-58	07/11/18 12:11	1	Solid
B37-0.5 DUP	18-07-0811-59	07/11/18 12:11	1	Solid
B37-1.5	18-07-0811-60	07/11/18 12:13	1	Solid
B37-3	18-07-0811-61	07/11/18 12:15	1	Solid
B38-0.5	18-07-0811-62	07/11/18 12:24	1	Solid
B38-1.5	18-07-0811-63	07/11/18 12:26	1	Solid
B38-3	18-07-0811-64	07/11/18 12:28	1	Solid
B39-0.5	18-07-0811-65	07/11/18 12:40	1	Solid
B39-0.5 DUP	18-07-0811-66	07/11/18 12:40	1	Solid
B39-1.5	18-07-0811-67	07/11/18 12:42	1	Solid
B39-3	18-07-0811-68	07/11/18 12:44	1	Solid
B40-0.5	18-07-0811-69	07/11/18 12:50	1	Solid
B40-1.5	18-07-0811-70	07/11/18 12:52	1	Solid
B40-3	18-07-0811-71	07/11/18 12:54	1	Solid
B41-0.5	18-07-0811-72	07/11/18 13:00	1	Solid
B41-1.5	18-07-0811-73	07/11/18 13:02	1	Solid
B41-3	18-07-0811-74	07/11/18 13:04	1	Solid
B42-0.5	18-07-0811-75	07/11/18 13:46	1	Solid
B42-1.5	18-07-0811-76	07/11/18 13:48	1	Solid
B42-3	18-07-0811-77	07/11/18 13:50	1	Solid
B43-0.5	18-07-0811-78	07/11/18 14:00	1	Solid
B43-1.5	18-07-0811-79	07/11/18 14:02	1	Solid
B43-3	18-07-0811-80	07/11/18 14:04	1	Solid
B44-0.5	18-07-0811-81	07/11/18 14:10	1	Solid
B44-1.5	18-07-0811-82	07/11/18 14:12	1	Solid
B44-3	18-07-0811-83	07/11/18 14:14	1	Solid
B45-0.5	18-07-0811-84	07/11/18 14:16	1	Solid

Return to Contents



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-07-0811
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 07/12/18 16:30
	Number of Containers: 109
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B45-0.5 DUP	18-07-0811-85	07/11/18 14:16	1	Solid
B45-1.5	18-07-0811-86	07/11/18 14:18	1	Solid
B45-3	18-07-0811-87	07/11/18 14:20	1	Solid
B46-0.5	18-07-0811-88	07/11/18 14:32	1	Solid
B46-1.5	18-07-0811-89	07/11/18 14:34	1	Solid
B46-3	18-07-0811-90	07/11/18 14:36	1	Solid
B47-0.5	18-07-0811-91	07/11/18 14:46	1	Solid
B47-0.5 DUP	18-07-0811-92	07/11/18 14:46	1	Solid
B47-1.5	18-07-0811-93	07/11/18 14:48	1	Solid
B47-3	18-07-0811-94	07/11/18 14:50	1	Solid
B48-0.5	18-07-0811-95	07/11/18 14:56	1	Solid
B48-1.5	18-07-0811-96	07/11/18 14:58	1	Solid
B48-3	18-07-0811-97	07/11/18 15:00	1	Solid
B49-0.5	18-07-0811-98	07/11/18 15:04	1	Solid
B49-1.5	18-07-0811-99	07/11/18 15:06	1	Solid
B49-3	18-07-0811-100	07/11/18 15:08	1	Solid
TB-2	18-07-0811-101	07/11/18 00:00	2	Aqueous
EB-2	18-07-0811-102	07/11/18 15:30	7	Aqueous

[Return to Contents](#)



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 1 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B21-0.5 (18-07-0811-1)						
Barium	157		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.493		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.06		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.00		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	17.7		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	3.44		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.89		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.6		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.89		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	52.5		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.88		1.00	mg/kg	EPA 6020	EPA 3050B
B21-0.5 DUP (18-07-0811-2)						
Barium	187		0.526	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.520		0.263	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.05		0.526	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.8		0.263	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.56		0.263	mg/kg	EPA 6010B	EPA 3050B
Copper	21.0		0.526	mg/kg	EPA 6010B	EPA 3050B
Lead	3.92		0.526	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.31		0.263	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.7		0.263	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.1		0.263	mg/kg	EPA 6010B	EPA 3050B
Zinc	50.2		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.08		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 2 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B22-0.5 (18-07-0811-5)						
Barium	143		0.515	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.786		0.258	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.88		0.515	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.5		0.258	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.5		0.258	mg/kg	EPA 6010B	EPA 3050B
Copper	28.2		0.515	mg/kg	EPA 6010B	EPA 3050B
Lead	4.21		0.515	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.24		0.258	mg/kg	EPA 6010B	EPA 3050B
Nickel	55.8		0.258	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.47		0.773	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.5		0.258	mg/kg	EPA 6010B	EPA 3050B
Zinc	102		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.04		1.00	mg/kg	EPA 6020	EPA 3050B
B22-0.5 DUP (18-07-0811-6)						
Barium	177		0.488	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.492		0.244	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.91		0.488	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.5		0.244	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.10		0.244	mg/kg	EPA 6010B	EPA 3050B
Copper	18.6		0.488	mg/kg	EPA 6010B	EPA 3050B
Lead	3.74		0.488	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.95		0.244	mg/kg	EPA 6010B	EPA 3050B
Nickel	36.3		0.244	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.4		0.244	mg/kg	EPA 6010B	EPA 3050B
Zinc	62.1		0.976	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.41		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 3 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B23-0.5 (18-07-0811-9)						
Barium	155		0.513	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.442		0.256	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.11		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.1		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.58		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	24.1		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	6.29		0.513	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.45		0.256	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.4		0.256	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.43		0.769	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.4		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	62.1		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.43		1.00	mg/kg	EPA 6020	EPA 3050B
B23-0.5 DUP (18-07-0811-10)						
Barium	139		0.478	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.420		0.239	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.897		0.478	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.6		0.239	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.17		0.239	mg/kg	EPA 6010B	EPA 3050B
Copper	26.2		0.478	mg/kg	EPA 6010B	EPA 3050B
Lead	38.7		0.478	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.81		0.239	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.1		0.239	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.40		0.718	mg/kg	EPA 6010B	EPA 3050B
Vanadium	29.9		0.239	mg/kg	EPA 6010B	EPA 3050B
Zinc	62.6		0.957	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.14		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 4 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B24-0.5 (18-07-0811-13)						
Barium	158		0.485	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.462		0.243	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.32		0.485	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.4		0.243	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.91		0.243	mg/kg	EPA 6010B	EPA 3050B
Copper	43.2		0.485	mg/kg	EPA 6010B	EPA 3050B
Lead	4.20		0.485	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.91		0.243	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.4		0.243	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.09		0.728	mg/kg	EPA 6010B	EPA 3050B
Thallium	0.790		0.728	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.0		0.243	mg/kg	EPA 6010B	EPA 3050B
Zinc	81.7		0.971	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.13		1.00	mg/kg	EPA 6020	EPA 3050B
B24-0.5 DUP (18-07-0811-14)						
Barium	139		0.478	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.489		0.239	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.3		0.239	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.52		0.239	mg/kg	EPA 6010B	EPA 3050B
Copper	23.6		0.478	mg/kg	EPA 6010B	EPA 3050B
Lead	4.57		0.478	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.85		0.239	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.8		0.239	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.96		0.718	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.4		0.239	mg/kg	EPA 6010B	EPA 3050B
Zinc	64.0		0.957	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.98		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 5 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B25-0.5 (18-07-0811-17)						
Barium	156		0.513	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.507		0.256	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.62		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.9		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.63		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	30.0		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	7.06		0.513	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.40		0.256	mg/kg	EPA 6010B	EPA 3050B
Nickel	40.0		0.256	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.23		0.769	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.6		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	73.5		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.93		1.00	mg/kg	EPA 6020	EPA 3050B
B25-0.5 DUP (18-07-0811-18)						
Barium	132		0.515	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.526		0.258	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.39		0.515	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.0		0.258	mg/kg	EPA 6010B	EPA 3050B
Cobalt	15.0		0.258	mg/kg	EPA 6010B	EPA 3050B
Copper	31.4		0.515	mg/kg	EPA 6010B	EPA 3050B
Lead	4.66		0.515	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.64		0.258	mg/kg	EPA 6010B	EPA 3050B
Nickel	33.8		0.258	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.60		0.773	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.1		0.258	mg/kg	EPA 6010B	EPA 3050B
Zinc	70.0		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.02		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 6 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B26-0.5 (18-07-0811-21)						
Barium	153		0.483	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.506		0.242	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.30		0.483	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.7		0.242	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.20		0.242	mg/kg	EPA 6010B	EPA 3050B
Copper	17.7		0.483	mg/kg	EPA 6010B	EPA 3050B
Lead	4.97		0.483	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.92		0.242	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.3		0.242	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.1		0.242	mg/kg	EPA 6010B	EPA 3050B
Zinc	50.0		0.966	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.98		1.00	mg/kg	EPA 6020	EPA 3050B
B26-0.5 DUP (18-07-0811-22)						
Barium	159		0.518	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.476		0.259	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.29		0.518	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.0		0.259	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.74		0.259	mg/kg	EPA 6010B	EPA 3050B
Copper	16.6		0.518	mg/kg	EPA 6010B	EPA 3050B
Lead	4.48		0.518	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.53		0.259	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.4		0.259	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.3		0.259	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.6		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.92		1.00	mg/kg	EPA 6020	EPA 3050B
B27-0.5 (18-07-0811-25)						
Barium	142		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.491		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.26		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.18		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	17.1		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	4.23		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.84		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	20.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.2		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	55.7		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.19		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 7 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B28-0.5 (18-07-0811-28)						
Barium	161		0.521	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.496		0.260	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.46		0.521	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.0		0.260	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.3		0.260	mg/kg	EPA 6010B	EPA 3050B
Copper	24.6		0.521	mg/kg	EPA 6010B	EPA 3050B
Lead	7.11		0.521	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.22		0.260	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.8		0.260	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.32		0.781	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.3		0.260	mg/kg	EPA 6010B	EPA 3050B
Zinc	67.8		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.78		1.00	mg/kg	EPA 6020	EPA 3050B
B29-0.5 (18-07-0811-31)						
Barium	187		0.515	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.489		0.258	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.32		0.515	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.6		0.258	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.68		0.258	mg/kg	EPA 6010B	EPA 3050B
Copper	50.3		0.515	mg/kg	EPA 6010B	EPA 3050B
Lead	15.6		0.515	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.18		0.258	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.3		0.258	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.50		0.773	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.4		0.258	mg/kg	EPA 6010B	EPA 3050B
Zinc	111		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.34		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	14		4.9	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 8 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B30-0.5 (18-07-0811-34)						
Barium	143		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.421		0.254	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.699		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.5		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.77		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	44.5		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	4.84		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.54		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.0		0.254	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.31		0.761	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.3		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	82.4		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.30		1.00	mg/kg	EPA 6020	EPA 3050B
B31-0.5 (18-07-0811-37)						
Barium	101		0.488	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.269		0.244	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.564		0.488	mg/kg	EPA 6010B	EPA 3050B
Chromium	11.5		0.244	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.42		0.244	mg/kg	EPA 6010B	EPA 3050B
Copper	12.1		0.488	mg/kg	EPA 6010B	EPA 3050B
Lead	13.9		0.488	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.980		0.244	mg/kg	EPA 6010B	EPA 3050B
Nickel	14.6		0.244	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.807		0.732	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.4		0.244	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.9		0.976	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.53		1.00	mg/kg	EPA 6020	EPA 3050B

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 9 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B31-0.5 DUP (18-07-0811-38)						
Barium	139		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.487		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.57		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.2		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.43		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	18.1		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	4.52		0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.96		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.2		0.262	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.72		0.785	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.3		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	49.8		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.91		1.00	mg/kg	EPA 6020	EPA 3050B
B32-0.5 (18-07-0811-41)						
Barium	129		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.551		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.38		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	21.5		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.32		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	17.9		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	3.66		0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.21		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.8		0.262	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.47		0.785	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.4		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	49.0		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.64		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 10 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B33-0.5 (18-07-0811-44)						
Barium	140		0.513	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.544		0.256	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.958		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.3		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.00		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	23.0		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	8.72		0.513	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.56		0.256	mg/kg	EPA 6010B	EPA 3050B
Nickel	20.7		0.256	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.14		0.769	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.5		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	53.1		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.73		1.00	mg/kg	EPA 6020	EPA 3050B
B34-0.5 (18-07-0811-47)						
Barium	69.8		0.526	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.373		0.263	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.972		0.526	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.8		0.263	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.89		0.263	mg/kg	EPA 6010B	EPA 3050B
Copper	40.6		0.526	mg/kg	EPA 6010B	EPA 3050B
Lead	4.71		0.526	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	11.3		0.263	mg/kg	EPA 6010B	EPA 3050B
Nickel	41.1		0.263	mg/kg	EPA 6010B	EPA 3050B
Selenium	5.07		0.789	mg/kg	EPA 6010B	EPA 3050B
Silver	0.273		0.263	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.02		0.789	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.0		0.263	mg/kg	EPA 6010B	EPA 3050B
Zinc	91.9		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.08		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0827		0.0820	mg/kg	EPA 7471A	EPA 7471A Total

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 11 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B35-0.5 (18-07-0811-51)						
Barium	134		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.350		0.254	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.802		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	14.2		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.06		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	16.3		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	4.51		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.256		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.1		0.254	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.867		0.761	mg/kg	EPA 6010B	EPA 3050B
Vanadium	29.4		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	51.5		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.95		1.00	mg/kg	EPA 6020	EPA 3050B
B35-0.5 DUP (18-07-0811-52)						
Barium	196		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.467		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.08		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	17.4		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.57		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	16.8		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	4.12		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.357		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.8		0.253	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.6		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	60.2		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.27		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 12 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B36-0.5 (18-07-0811-55)						
Barium	142		0.515	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.363		0.258	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.610		0.515	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.7		0.258	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.93		0.258	mg/kg	EPA 6010B	EPA 3050B
Copper	52.4		0.515	mg/kg	EPA 6010B	EPA 3050B
Lead	7.00		0.515	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.06		0.258	mg/kg	EPA 6010B	EPA 3050B
Nickel	20.1		0.258	mg/kg	EPA 6010B	EPA 3050B
Selenium	11.1		0.773	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.9		0.258	mg/kg	EPA 6010B	EPA 3050B
Zinc	85.5		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.97		1.00	mg/kg	EPA 6020	EPA 3050B
B37-0.5 (18-07-0811-58)						
Barium	189		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.616		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.09		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.9		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.3		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	51.9		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	60.1		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.50		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	62.3		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.09		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	389		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	24.2		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0886		0.0877	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	61		49	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	31		4.9	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	9.5		4.9	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 13 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B37-0.5 DUP (18-07-0811-59)						
Barium	161		0.490	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.556		0.245	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.94		0.490	mg/kg	EPA 6010B	EPA 3050B
Chromium	31.7		0.245	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.5		0.245	mg/kg	EPA 6010B	EPA 3050B
Copper	49.5		0.490	mg/kg	EPA 6010B	EPA 3050B
Lead	56.8		0.490	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.18		0.245	mg/kg	EPA 6010B	EPA 3050B
Nickel	59.5		0.245	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.17		0.735	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.3		0.245	mg/kg	EPA 6010B	EPA 3050B
Zinc	374		0.980	mg/kg	EPA 6010B	EPA 3050B
Arsenic	20.2		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0836		0.0820	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	51		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	30		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	12		5.0	ug/kg	EPA 8081A	EPA 3545
B38-0.5 (18-07-0811-62)						
Barium	74.8		0.518	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.319		0.259	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.606		0.518	mg/kg	EPA 6010B	EPA 3050B
Chromium	39.5		0.259	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.10		0.259	mg/kg	EPA 6010B	EPA 3050B
Copper	51.3		0.518	mg/kg	EPA 6010B	EPA 3050B
Lead	4.86		0.518	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	10.9		0.259	mg/kg	EPA 6010B	EPA 3050B
Nickel	20.3		0.259	mg/kg	EPA 6010B	EPA 3050B
Selenium	5.50		0.777	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.9		0.259	mg/kg	EPA 6010B	EPA 3050B
Zinc	92.3		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.63		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 14 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B39-0.5 (18-07-0811-65)						
Barium	287		0.490	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.431		0.245	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.625		0.490	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.4		0.245	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.90		0.245	mg/kg	EPA 6010B	EPA 3050B
Copper	22.6		0.490	mg/kg	EPA 6010B	EPA 3050B
Lead	8.29		0.490	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.23		0.245	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.6		0.245	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.94		0.735	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.0		0.245	mg/kg	EPA 6010B	EPA 3050B
Zinc	64.1		0.980	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.05		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDT	14		5.0	ug/kg	EPA 8081A	EPA 3545
B39-0.5 DUP (18-07-0811-66)						
Barium	73.0		0.488	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.439		0.244	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.860		0.488	mg/kg	EPA 6010B	EPA 3050B
Chromium	44.8		0.244	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.33		0.244	mg/kg	EPA 6010B	EPA 3050B
Copper	50.9		0.488	mg/kg	EPA 6010B	EPA 3050B
Lead	3.86		0.488	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	11.3		0.244	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.1		0.244	mg/kg	EPA 6010B	EPA 3050B
Selenium	6.48		0.732	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.9		0.244	mg/kg	EPA 6010B	EPA 3050B
Zinc	81.9		0.976	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.99		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 15 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B40-0.5 (18-07-0811-69)						
Barium	222		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.414		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.828		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	22.8		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	16.3		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	24.8		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	15.0		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.583		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.8		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.18		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.4		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	79.1		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.00		1.00	mg/kg	EPA 6020	EPA 3050B
B40-1.5 (18-07-0811-70)						
Barium	229		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.469		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.780		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.9		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.5		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	26.1		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	29.0		0.493	mg/kg	EPA 6010B	EPA 3050B
Nickel	19.4		0.246	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.10		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.7		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	71.1		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.79		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDD	12		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	12		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	18		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 16 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B41-0.5 (18-07-0811-72)						
Barium	178		0.524	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.445		0.262	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.21		0.524	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.4		0.262	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.76		0.262	mg/kg	EPA 6010B	EPA 3050B
Copper	39.0		0.524	mg/kg	EPA 6010B	EPA 3050B
Lead	14.9		0.524	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.83		0.262	mg/kg	EPA 6010B	EPA 3050B
Nickel	32.4		0.262	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.51		0.785	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.7		0.262	mg/kg	EPA 6010B	EPA 3050B
Zinc	121		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	12.6		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDD	8.3		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	140		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	8.7		5.0	ug/kg	EPA 8081A	EPA 3545
B41-1.5 (18-07-0811-73)						
Barium	500		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.529		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.842		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.7		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.58		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	41.1		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	6.88		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	9.79		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.1		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	6.44		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	46.3		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	126		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	11.3		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0838		0.0794	mg/kg	EPA 7471A	EPA 7471A Total
4,4'-DDE	8.0		5.0	ug/kg	EPA 8081A	EPA 3545

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 17 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B42-0.5 (18-07-0811-75)						
Barium	104		0.485	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.398		0.243	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.33		0.485	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.3		0.243	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.28		0.243	mg/kg	EPA 6010B	EPA 3050B
Copper	32.8		0.485	mg/kg	EPA 6010B	EPA 3050B
Lead	24.4		0.485	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.79		0.243	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.2		0.243	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.833		0.728	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.4		0.243	mg/kg	EPA 6010B	EPA 3050B
Zinc	161		0.971	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.98		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	81		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDD	14		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	14		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	26		5.0	ug/kg	EPA 8081A	EPA 3545
B43-0.5 (18-07-0811-78)						
Barium	184		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.483		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.81		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.0		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.20		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	41.9		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	57.2		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.20		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.5		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.66		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.8		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	197		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	17.4		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	180		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	16		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	8.6		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 18 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B44-0.5 (18-07-0811-81)						
Barium	158		0.485	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.464		0.243	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.73		0.485	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.8		0.243	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.38		0.243	mg/kg	EPA 6010B	EPA 3050B
Copper	36.4		0.485	mg/kg	EPA 6010B	EPA 3050B
Lead	5.26		0.485	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.55		0.243	mg/kg	EPA 6010B	EPA 3050B
Nickel	39.8		0.243	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.31		0.728	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.4		0.243	mg/kg	EPA 6010B	EPA 3050B
Zinc	75.6		0.971	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.19		1.00	mg/kg	EPA 6020	EPA 3050B
B45-0.5 (18-07-0811-84)						
Barium	220		0.476	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.476		0.238	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.54		0.476	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.2		0.238	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.38		0.238	mg/kg	EPA 6010B	EPA 3050B
Copper	31.3		0.476	mg/kg	EPA 6010B	EPA 3050B
Lead	13.3		0.476	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.30		0.238	mg/kg	EPA 6010B	EPA 3050B
Nickel	34.4		0.238	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.85		0.714	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.5		0.238	mg/kg	EPA 6010B	EPA 3050B
Zinc	77.1		0.952	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.08		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 19 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B45-0.5 DUP (18-07-0811-85)						
Barium	213		0.526	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.501		0.263	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.56		0.526	mg/kg	EPA 6010B	EPA 3050B
Chromium	35.5		0.263	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.53		0.263	mg/kg	EPA 6010B	EPA 3050B
Copper	34.7		0.526	mg/kg	EPA 6010B	EPA 3050B
Lead	8.06		0.526	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.97		0.263	mg/kg	EPA 6010B	EPA 3050B
Nickel	37.6		0.263	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.88		0.789	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.9		0.263	mg/kg	EPA 6010B	EPA 3050B
Zinc	81.3		1.05	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.34		1.00	mg/kg	EPA 6020	EPA 3050B
B46-0.5 (18-07-0811-88)						
Barium	191		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.457		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.15		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.4		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.30		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	37.3		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	12.7		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.77		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	41.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.71		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.6		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	84.1		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.98		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 20 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B47-0.5 (18-07-0811-91)						
Barium	202		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.506		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.89		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	36.2		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.71		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	34.8		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	4.43		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.40		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.5		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.812		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.0		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	78.2		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.12		1.00	mg/kg	EPA 6020	EPA 3050B
B47-0.5 DUP (18-07-0811-92)						
Barium	183		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.489		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.12		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.3		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.49		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	34.3		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	4.09		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.87		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	34.8		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.97		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.1		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	78.4		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.34		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 21 of 21

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B48-0.5 (18-07-0811-95)						
Barium	159		0.476	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.373		0.238	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.980		0.476	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.6		0.238	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.20		0.238	mg/kg	EPA 6010B	EPA 3050B
Copper	31.2		0.476	mg/kg	EPA 6010B	EPA 3050B
Lead	7.15		0.476	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.56		0.238	mg/kg	EPA 6010B	EPA 3050B
Nickel	28.9		0.238	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.13		0.714	mg/kg	EPA 6010B	EPA 3050B
Vanadium	34.0		0.238	mg/kg	EPA 6010B	EPA 3050B
Zinc	69.7		0.952	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.98		1.00	mg/kg	EPA 6020	EPA 3050B
B49-0.5 (18-07-0811-98)						
Barium	182		0.481	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.382		0.240	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.732		0.481	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.7		0.240	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.01		0.240	mg/kg	EPA 6010B	EPA 3050B
Copper	40.2		0.481	mg/kg	EPA 6010B	EPA 3050B
Lead	6.35		0.481	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	10.2		0.240	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.1		0.240	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.36		0.721	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.6		0.240	mg/kg	EPA 6010B	EPA 3050B
Zinc	89.6		0.962	mg/kg	EPA 6010B	EPA 3050B
Arsenic	14.1		1.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-2	18-07-0811-102-F	07/11/18 15:30	Aqueous	GC 50	07/17/18	07/20/18 01:16	180717B03

Parameter	Result	RL	DF	Qualifiers
C6	ND	100	1.00	
C7	ND	100	1.00	
C8	ND	100	1.00	
C9-C10	ND	100	1.00	
C11-C12	ND	100	1.00	
C13-C14	ND	100	1.00	
C15-C16	ND	100	1.00	
C17-C18	ND	100	1.00	
C19-C20	ND	100	1.00	
C21-C22	ND	100	1.00	
C23-C24	ND	100	1.00	
C25-C28	ND	100	1.00	
C29-C32	ND	100	1.00	
C33-C36	ND	100	1.00	
C37-C40	ND	100	1.00	
C41-C44	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	118	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8015B (M)  
Units: ug/L

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-498-620	N/A	Aqueous	GC 50	07/17/18	07/19/18 17:43	180717B03

Parameter	Result	RL	DF	Qualifiers
C6	ND	100	1.00	
C7	ND	100	1.00	
C8	ND	100	1.00	
C9-C10	ND	100	1.00	
C11-C12	ND	100	1.00	
C13-C14	ND	100	1.00	
C15-C16	ND	100	1.00	
C17-C18	ND	100	1.00	
C19-C20	ND	100	1.00	
C21-C22	ND	100	1.00	
C23-C24	ND	100	1.00	
C25-C28	ND	100	1.00	
C29-C32	ND	100	1.00	
C33-C36	ND	100	1.00	
C37-C40	ND	100	1.00	
C41-C44	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B21-0.5</b>	<b>18-07-0811-1-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:05</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	157	0.505	1.01	
Beryllium	0.493	0.253	1.01	
Cadmium	1.06	0.505	1.01	
Chromium	20.5	0.253	1.01	
Cobalt	8.00	0.253	1.01	
Copper	17.7	0.505	1.01	
Lead	3.44	0.505	1.01	
Molybdenum	2.89	0.253	1.01	
Nickel	22.6	0.253	1.01	
Selenium	1.89	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	33.7	0.253	1.01	
Zinc	52.5	1.01	1.01	

<b>B21-0.5 DUP</b>	<b>18-07-0811-2-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:06</b>	<b>180718L06</b>
--------------------	-----------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.789	1.05	
Barium	187	0.526	1.05	
Beryllium	0.520	0.263	1.05	
Cadmium	1.05	0.526	1.05	
Chromium	24.8	0.263	1.05	
Cobalt	5.56	0.263	1.05	
Copper	21.0	0.526	1.05	
Lead	3.92	0.526	1.05	
Molybdenum	2.31	0.263	1.05	
Nickel	23.7	0.263	1.05	
Selenium	ND	0.789	1.05	
Silver	ND	0.263	1.05	
Thallium	ND	0.789	1.05	
Vanadium	38.1	0.263	1.05	
Zinc	50.2	1.05	1.05	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B22-0.5</b>	<b>18-07-0811-5-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:07</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.773	1.03	
Barium	143	0.515	1.03	
Beryllium	0.786	0.258	1.03	
Cadmium	1.88	0.515	1.03	
Chromium	28.5	0.258	1.03	
Cobalt	11.5	0.258	1.03	
Copper	28.2	0.515	1.03	
Lead	4.21	0.515	1.03	
Molybdenum	5.24	0.258	1.03	
Nickel	55.8	0.258	1.03	
Selenium	4.47	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	36.5	0.258	1.03	
Zinc	102	1.03	1.03	

<b>B22-0.5 DUP</b>	<b>18-07-0811-6-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:08</b>	<b>180718L06</b>
--------------------	-----------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.732	0.976	
Barium	177	0.488	0.976	
Beryllium	0.492	0.244	0.976	
Cadmium	1.91	0.488	0.976	
Chromium	20.5	0.244	0.976	
Cobalt	7.10	0.244	0.976	
Copper	18.6	0.488	0.976	
Lead	3.74	0.488	0.976	
Molybdenum	2.95	0.244	0.976	
Nickel	36.3	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	33.4	0.244	0.976	
Zinc	62.1	0.976	0.976	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B23-0.5</b>	<b>18-07-0811-9-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:09</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.769	1.03	
Barium	155	0.513	1.03	
Beryllium	0.442	0.256	1.03	
Cadmium	1.11	0.513	1.03	
Chromium	24.1	0.256	1.03	
Cobalt	7.58	0.256	1.03	
Copper	24.1	0.513	1.03	
Lead	6.29	0.513	1.03	
Molybdenum	3.45	0.256	1.03	
Nickel	25.4	0.256	1.03	
Selenium	2.43	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	33.4	0.256	1.03	
Zinc	62.1	1.03	1.03	

<b>B23-0.5 DUP</b>	<b>18-07-0811-10-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:10</b>	<b>180718L06</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.718	0.957	
Barium	139	0.478	0.957	
Beryllium	0.420	0.239	0.957	
Cadmium	0.897	0.478	0.957	
Chromium	24.6	0.239	0.957	
Cobalt	7.17	0.239	0.957	
Copper	26.2	0.478	0.957	
Lead	38.7	0.478	0.957	
Molybdenum	4.81	0.239	0.957	
Nickel	26.1	0.239	0.957	
Selenium	2.40	0.718	0.957	
Silver	ND	0.239	0.957	
Thallium	ND	0.718	0.957	
Vanadium	29.9	0.239	0.957	
Zinc	62.6	0.957	0.957	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 4 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B24-0.5</b>	<b>18-07-0811-13-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:11</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.728	0.971	
Barium	158	0.485	0.971	
Beryllium	0.462	0.243	0.971	
Cadmium	1.32	0.485	0.971	
Chromium	30.4	0.243	0.971	
Cobalt	7.91	0.243	0.971	
Copper	43.2	0.485	0.971	
Lead	4.20	0.485	0.971	
Molybdenum	7.91	0.243	0.971	
Nickel	30.4	0.243	0.971	
Selenium	3.09	0.728	0.971	
Silver	ND	0.243	0.971	
Thallium	0.790	0.728	0.971	
Vanadium	35.0	0.243	0.971	
Zinc	81.7	0.971	0.971	

<b>B24-0.5 DUP</b>	<b>18-07-0811-14-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:12</b>	<b>180718L06</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.718	0.957	
Barium	139	0.478	0.957	
Beryllium	0.489	0.239	0.957	
Cadmium	ND	0.478	0.957	
Chromium	27.3	0.239	0.957	
Cobalt	5.52	0.239	0.957	
Copper	23.6	0.478	0.957	
Lead	4.57	0.478	0.957	
Molybdenum	5.85	0.239	0.957	
Nickel	17.8	0.239	0.957	
Selenium	4.96	0.718	0.957	
Silver	ND	0.239	0.957	
Thallium	ND	0.718	0.957	
Vanadium	36.4	0.239	0.957	
Zinc	64.0	0.957	0.957	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 5 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B25-0.5</b>	<b>18-07-0811-17-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:13</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.769	1.03	
Barium	156	0.513	1.03	
Beryllium	0.507	0.256	1.03	
Cadmium	1.62	0.513	1.03	
Chromium	27.9	0.256	1.03	
Cobalt	9.63	0.256	1.03	
Copper	30.0	0.513	1.03	
Lead	7.06	0.513	1.03	
Molybdenum	6.40	0.256	1.03	
Nickel	40.0	0.256	1.03	
Selenium	3.23	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	32.6	0.256	1.03	
Zinc	73.5	1.03	1.03	

<b>B25-0.5 DUP</b>	<b>18-07-0811-18-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:14</b>	<b>180718L06</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.773	1.03	
Barium	132	0.515	1.03	
Beryllium	0.526	0.258	1.03	
Cadmium	1.39	0.515	1.03	
Chromium	27.0	0.258	1.03	
Cobalt	15.0	0.258	1.03	
Copper	31.4	0.515	1.03	
Lead	4.66	0.515	1.03	
Molybdenum	6.64	0.258	1.03	
Nickel	33.8	0.258	1.03	
Selenium	4.60	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	33.1	0.258	1.03	
Zinc	70.0	1.03	1.03	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 6 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B26-0.5</b>	<b>18-07-0811-21-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:18</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.725	0.966	
Barium	153	0.483	0.966	
Beryllium	0.506	0.242	0.966	
Cadmium	1.30	0.483	0.966	
Chromium	20.7	0.242	0.966	
Cobalt	7.20	0.242	0.966	
Copper	17.7	0.483	0.966	
Lead	4.97	0.483	0.966	
Molybdenum	2.92	0.242	0.966	
Nickel	22.3	0.242	0.966	
Selenium	ND	0.725	0.966	
Silver	ND	0.242	0.966	
Thallium	ND	0.725	0.966	
Vanadium	39.1	0.242	0.966	
Zinc	50.0	0.966	0.966	

<b>B26-0.5 DUP</b>	<b>18-07-0811-22-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:19</b>	<b>180718L06</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.777	1.04	
Barium	159	0.518	1.04	
Beryllium	0.476	0.259	1.04	
Cadmium	1.29	0.518	1.04	
Chromium	20.0	0.259	1.04	
Cobalt	6.74	0.259	1.04	
Copper	16.6	0.518	1.04	
Lead	4.48	0.518	1.04	
Molybdenum	2.53	0.259	1.04	
Nickel	21.4	0.259	1.04	
Selenium	ND	0.777	1.04	
Silver	ND	0.259	1.04	
Thallium	ND	0.777	1.04	
Vanadium	36.3	0.259	1.04	
Zinc	46.6	1.04	1.04	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 7 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B27-0.5</b>	<b>18-07-0811-25-A</b>	<b>07/11/18 09:25</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:20</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	142	0.505	1.01	
Beryllium	0.491	0.253	1.01	
Cadmium	1.26	0.505	1.01	
Chromium	19.7	0.253	1.01	
Cobalt	7.18	0.253	1.01	
Copper	17.1	0.505	1.01	
Lead	4.23	0.505	1.01	
Molybdenum	1.84	0.253	1.01	
Nickel	20.5	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	35.2	0.253	1.01	
Zinc	55.7	1.01	1.01	

<b>B28-0.5</b>	<b>18-07-0811-28-A</b>	<b>07/11/18 09:45</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:21</b>	<b>180718L06</b>
----------------	------------------------	---------------------------	--------------	-----------------	-----------------	---------------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.781	1.04	
Barium	161	0.521	1.04	
Beryllium	0.496	0.260	1.04	
Cadmium	1.46	0.521	1.04	
Chromium	25.0	0.260	1.04	
Cobalt	11.3	0.260	1.04	
Copper	24.6	0.521	1.04	
Lead	7.11	0.521	1.04	
Molybdenum	3.22	0.260	1.04	
Nickel	26.8	0.260	1.04	
Selenium	1.32	0.781	1.04	
Silver	ND	0.260	1.04	
Thallium	ND	0.781	1.04	
Vanadium	37.3	0.260	1.04	
Zinc	67.8	1.04	1.04	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 8 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B29-0.5</b>	<b>18-07-0811-31-A</b>	<b>07/11/18 10:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:22</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.773	1.03	
Barium	187	0.515	1.03	
Beryllium	0.489	0.258	1.03	
Cadmium	1.32	0.515	1.03	
Chromium	32.6	0.258	1.03	
Cobalt	8.68	0.258	1.03	
Copper	50.3	0.515	1.03	
Lead	15.6	0.515	1.03	
Molybdenum	7.18	0.258	1.03	
Nickel	31.3	0.258	1.03	
Selenium	2.50	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	35.4	0.258	1.03	
Zinc	111	1.03	1.03	

<b>B30-0.5</b>	<b>18-07-0811-34-A</b>	<b>07/11/18 10:16</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:23</b>	<b>180718L06</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.761	1.02	
Barium	143	0.508	1.02	
Beryllium	0.421	0.254	1.02	
Cadmium	0.699	0.508	1.02	
Chromium	33.5	0.254	1.02	
Cobalt	8.77	0.254	1.02	
Copper	44.5	0.508	1.02	
Lead	4.84	0.508	1.02	
Molybdenum	6.54	0.254	1.02	
Nickel	25.0	0.254	1.02	
Selenium	2.31	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	33.3	0.254	1.02	
Zinc	82.4	1.02	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 9 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B31-0.5</b>	<b>18-07-0811-37-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:24</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.732	0.976	
Barium	101	0.488	0.976	
Beryllium	0.269	0.244	0.976	
Cadmium	0.564	0.488	0.976	
Chromium	11.5	0.244	0.976	
Cobalt	6.42	0.244	0.976	
Copper	12.1	0.488	0.976	
Lead	13.9	0.488	0.976	
Molybdenum	0.980	0.244	0.976	
Nickel	14.6	0.244	0.976	
Selenium	0.807	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	31.4	0.244	0.976	
Zinc	48.9	0.976	0.976	

<b>B31-0.5 DUP</b>	<b>18-07-0811-38-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:25</b>	<b>180718L06</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.785	1.05	
Barium	139	0.524	1.05	
Beryllium	0.487	0.262	1.05	
Cadmium	1.57	0.524	1.05	
Chromium	20.2	0.262	1.05	
Cobalt	7.43	0.262	1.05	
Copper	18.1	0.524	1.05	
Lead	4.52	0.524	1.05	
Molybdenum	2.96	0.262	1.05	
Nickel	23.2	0.262	1.05	
Selenium	1.72	0.785	1.05	
Silver	ND	0.262	1.05	
Thallium	ND	0.785	1.05	
Vanadium	44.3	0.262	1.05	
Zinc	49.8	1.05	1.05	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 10 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B32-0.5</b>	<b>18-07-0811-41-A</b>	<b>07/11/18 10:48</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:26</b>	<b>180718L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.785	1.05	
Barium	129	0.524	1.05	
Beryllium	0.551	0.262	1.05	
Cadmium	1.38	0.524	1.05	
Chromium	21.5	0.262	1.05	
Cobalt	7.32	0.262	1.05	
Copper	17.9	0.524	1.05	
Lead	3.66	0.524	1.05	
Molybdenum	3.21	0.262	1.05	
Nickel	21.8	0.262	1.05	
Selenium	1.47	0.785	1.05	
Silver	ND	0.262	1.05	
Thallium	ND	0.785	1.05	
Vanadium	45.4	0.262	1.05	
Zinc	49.0	1.05	1.05	

<b>B33-0.5</b>	<b>18-07-0811-44-A</b>	<b>07/11/18 11:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:27</b>	<b>180718L06</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.769	1.03	
Barium	140	0.513	1.03	
Beryllium	0.544	0.256	1.03	
Cadmium	0.958	0.513	1.03	
Chromium	19.3	0.256	1.03	
Cobalt	7.00	0.256	1.03	
Copper	23.0	0.513	1.03	
Lead	8.72	0.513	1.03	
Molybdenum	2.56	0.256	1.03	
Nickel	20.7	0.256	1.03	
Selenium	1.14	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	35.5	0.256	1.03	
Zinc	53.1	1.03	1.03	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 11 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B34-0.5</b>	<b>18-07-0811-47-A</b>	<b>07/11/18 11:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:31</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.789	1.05	
Barium	69.8	0.526	1.05	
Beryllium	0.373	0.263	1.05	
Cadmium	0.972	0.526	1.05	
Chromium	38.8	0.263	1.05	
Cobalt	7.89	0.263	1.05	
Copper	40.6	0.526	1.05	
Lead	4.71	0.526	1.05	
Molybdenum	11.3	0.263	1.05	
Nickel	41.1	0.263	1.05	
Selenium	5.07	0.789	1.05	
Silver	0.273	0.263	1.05	
Thallium	1.02	0.789	1.05	
Vanadium	31.0	0.263	1.05	
Zinc	91.9	1.05	1.05	

<b>B35-0.5</b>	<b>18-07-0811-51-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:32</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.761	1.02	
Barium	134	0.508	1.02	
Beryllium	0.350	0.254	1.02	
Cadmium	0.802	0.508	1.02	
Chromium	14.2	0.254	1.02	
Cobalt	8.06	0.254	1.02	
Copper	16.3	0.508	1.02	
Lead	4.51	0.508	1.02	
Molybdenum	0.256	0.254	1.02	
Nickel	22.1	0.254	1.02	
Selenium	0.867	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	29.4	0.254	1.02	
Zinc	51.5	1.02	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 12 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B35-0.5 DUP</b>	<b>18-07-0811-52-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:33</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	196	0.505	1.01	
Beryllium	0.467	0.253	1.01	
Cadmium	1.08	0.505	1.01	
Chromium	17.4	0.253	1.01	
Cobalt	7.57	0.253	1.01	
Copper	16.8	0.505	1.01	
Lead	4.12	0.505	1.01	
Molybdenum	0.357	0.253	1.01	
Nickel	30.8	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	31.6	0.253	1.01	
Zinc	60.2	1.01	1.01	

<b>B36-0.5</b>	<b>18-07-0811-55-A</b>	<b>07/11/18 12:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:34</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.773	1.03	
Barium	142	0.515	1.03	
Beryllium	0.363	0.258	1.03	
Cadmium	0.610	0.515	1.03	
Chromium	33.7	0.258	1.03	
Cobalt	7.93	0.258	1.03	
Copper	52.4	0.515	1.03	
Lead	7.00	0.515	1.03	
Molybdenum	3.06	0.258	1.03	
Nickel	20.1	0.258	1.03	
Selenium	11.1	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	31.9	0.258	1.03	
Zinc	85.5	1.03	1.03	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 13 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-0.5</b>	<b>18-07-0811-58-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:35</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	189	0.505	1.01	
Beryllium	0.616	0.253	1.01	
Cadmium	2.09	0.505	1.01	
Chromium	34.9	0.253	1.01	
Cobalt	12.3	0.253	1.01	
Copper	51.9	0.505	1.01	
Lead	60.1	0.505	1.01	
Molybdenum	5.50	0.253	1.01	
Nickel	62.3	0.253	1.01	
Selenium	2.09	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	38.7	0.253	1.01	
Zinc	389	1.01	1.01	

<b>B37-0.5 DUP</b>	<b>18-07-0811-59-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:36</b>	<b>180718L07</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.735	0.980	
Barium	161	0.490	0.980	
Beryllium	0.556	0.245	0.980	
Cadmium	1.94	0.490	0.980	
Chromium	31.7	0.245	0.980	
Cobalt	10.5	0.245	0.980	
Copper	49.5	0.490	0.980	
Lead	56.8	0.490	0.980	
Molybdenum	5.18	0.245	0.980	
Nickel	59.5	0.245	0.980	
Selenium	2.17	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	35.3	0.245	0.980	
Zinc	374	0.980	0.980	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 14 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B38-0.5</b>	<b>18-07-0811-62-A</b>	<b>07/11/18 12:24</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:37</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.777	1.04	
Barium	74.8	0.518	1.04	
Beryllium	0.319	0.259	1.04	
Cadmium	0.606	0.518	1.04	
Chromium	39.5	0.259	1.04	
Cobalt	8.10	0.259	1.04	
Copper	51.3	0.518	1.04	
Lead	4.86	0.518	1.04	
Molybdenum	10.9	0.259	1.04	
Nickel	20.3	0.259	1.04	
Selenium	5.50	0.777	1.04	
Silver	ND	0.259	1.04	
Thallium	ND	0.777	1.04	
Vanadium	36.9	0.259	1.04	
Zinc	92.3	1.04	1.04	

<b>B39-0.5</b>	<b>18-07-0811-65-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:39</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.735	0.980	
Barium	287	0.490	0.980	
Beryllium	0.431	0.245	0.980	
Cadmium	0.625	0.490	0.980	
Chromium	25.4	0.245	0.980	
Cobalt	5.90	0.245	0.980	
Copper	22.6	0.490	0.980	
Lead	8.29	0.490	0.980	
Molybdenum	4.23	0.245	0.980	
Nickel	21.6	0.245	0.980	
Selenium	2.94	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	33.0	0.245	0.980	
Zinc	64.1	0.980	0.980	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 15 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B39-0.5 DUP</b>	<b>18-07-0811-66-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:40</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.732	0.976	
Barium	73.0	0.488	0.976	
Beryllium	0.439	0.244	0.976	
Cadmium	0.860	0.488	0.976	
Chromium	44.8	0.244	0.976	
Cobalt	8.33	0.244	0.976	
Copper	50.9	0.488	0.976	
Lead	3.86	0.488	0.976	
Molybdenum	11.3	0.244	0.976	
Nickel	35.1	0.244	0.976	
Selenium	6.48	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	41.9	0.244	0.976	
Zinc	81.9	0.976	0.976	

<b>B40-0.5</b>	<b>18-07-0811-69-A</b>	<b>07/11/18 12:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:41</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	222	0.495	0.990	
Beryllium	0.414	0.248	0.990	
Cadmium	0.828	0.495	0.990	
Chromium	22.8	0.248	0.990	
Cobalt	16.3	0.248	0.990	
Copper	24.8	0.495	0.990	
Lead	15.0	0.495	0.990	
Molybdenum	0.583	0.248	0.990	
Nickel	23.8	0.248	0.990	
Selenium	3.18	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	36.4	0.248	0.990	
Zinc	79.1	0.990	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 16 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B40-1.5</b>	<b>18-07-0811-70-A</b>	<b>07/11/18 12:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:52</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	229	0.493	0.985	
Beryllium	0.469	0.246	0.985	
Cadmium	0.780	0.493	0.985	
Chromium	18.9	0.246	0.985	
Cobalt	13.5	0.246	0.985	
Copper	26.1	0.493	0.985	
Lead	29.0	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	19.4	0.246	0.985	
Selenium	1.10	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	35.7	0.246	0.985	
Zinc	71.1	0.985	0.985	

<b>B41-0.5</b>	<b>18-07-0811-72-A</b>	<b>07/11/18 13:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:58</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.785	1.05	
Barium	178	0.524	1.05	
Beryllium	0.445	0.262	1.05	
Cadmium	1.21	0.524	1.05	
Chromium	33.4	0.262	1.05	
Cobalt	9.76	0.262	1.05	
Copper	39.0	0.524	1.05	
Lead	14.9	0.524	1.05	
Molybdenum	6.83	0.262	1.05	
Nickel	32.4	0.262	1.05	
Selenium	4.51	0.785	1.05	
Silver	ND	0.262	1.05	
Thallium	ND	0.785	1.05	
Vanadium	35.7	0.262	1.05	
Zinc	121	1.05	1.05	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 17 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41-1.5</b>	<b>18-07-0811-73-A</b>	<b>07/11/18 13:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:59</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	500	0.498	0.995	
Beryllium	0.529	0.249	0.995	
Cadmium	0.842	0.498	0.995	
Chromium	38.7	0.249	0.995	
Cobalt	9.58	0.249	0.995	
Copper	41.1	0.498	0.995	
Lead	6.88	0.498	0.995	
Molybdenum	9.79	0.249	0.995	
Nickel	31.1	0.249	0.995	
Selenium	6.44	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	ND	0.746	0.995	
Vanadium	46.3	0.249	0.995	
Zinc	126	0.995	0.995	

<b>B42-0.5</b>	<b>18-07-0811-75-A</b>	<b>07/11/18 13:46</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:00</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.728	0.971	
Barium	104	0.485	0.971	
Beryllium	0.398	0.243	0.971	
Cadmium	1.33	0.485	0.971	
Chromium	28.3	0.243	0.971	
Cobalt	8.28	0.243	0.971	
Copper	32.8	0.485	0.971	
Lead	24.4	0.485	0.971	
Molybdenum	3.79	0.243	0.971	
Nickel	26.2	0.243	0.971	
Selenium	0.833	0.728	0.971	
Silver	ND	0.243	0.971	
Thallium	ND	0.728	0.971	
Vanadium	40.4	0.243	0.971	
Zinc	161	0.971	0.971	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 18 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43-0.5</b>	<b>18-07-0811-78-A</b>	<b>07/11/18 14:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:01</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	184	0.495	0.990	
Beryllium	0.483	0.248	0.990	
Cadmium	1.81	0.495	0.990	
Chromium	32.0	0.248	0.990	
Cobalt	9.20	0.248	0.990	
Copper	41.9	0.495	0.990	
Lead	57.2	0.495	0.990	
Molybdenum	3.20	0.248	0.990	
Nickel	29.5	0.248	0.990	
Selenium	1.66	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	39.8	0.248	0.990	
Zinc	197	0.990	0.990	

<b>B44-0.5</b>	<b>18-07-0811-81-A</b>	<b>07/11/18 14:10</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:02</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.728	0.971	
Barium	158	0.485	0.971	
Beryllium	0.464	0.243	0.971	
Cadmium	1.73	0.485	0.971	
Chromium	34.8	0.243	0.971	
Cobalt	7.38	0.243	0.971	
Copper	36.4	0.485	0.971	
Lead	5.26	0.485	0.971	
Molybdenum	6.55	0.243	0.971	
Nickel	39.8	0.243	0.971	
Selenium	1.31	0.728	0.971	
Silver	ND	0.243	0.971	
Thallium	ND	0.728	0.971	
Vanadium	37.4	0.243	0.971	
Zinc	75.6	0.971	0.971	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 19 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B45-0.5</b>	<b>18-07-0811-84-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:03</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.714	0.952	
Barium	220	0.476	0.952	
Beryllium	0.476	0.238	0.952	
Cadmium	1.54	0.476	0.952	
Chromium	33.2	0.238	0.952	
Cobalt	8.38	0.238	0.952	
Copper	31.3	0.476	0.952	
Lead	13.3	0.476	0.952	
Molybdenum	4.30	0.238	0.952	
Nickel	34.4	0.238	0.952	
Selenium	2.85	0.714	0.952	
Silver	ND	0.238	0.952	
Thallium	ND	0.714	0.952	
Vanadium	39.5	0.238	0.952	
Zinc	77.1	0.952	0.952	

<b>B45-0.5 DUP</b>	<b>18-07-0811-85-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:04</b>	<b>180718L07</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.789	1.05	
Barium	213	0.526	1.05	
Beryllium	0.501	0.263	1.05	
Cadmium	1.56	0.526	1.05	
Chromium	35.5	0.263	1.05	
Cobalt	8.53	0.263	1.05	
Copper	34.7	0.526	1.05	
Lead	8.06	0.526	1.05	
Molybdenum	4.97	0.263	1.05	
Nickel	37.6	0.263	1.05	
Selenium	2.88	0.789	1.05	
Silver	ND	0.263	1.05	
Thallium	ND	0.789	1.05	
Vanadium	39.9	0.263	1.05	
Zinc	81.3	1.05	1.05	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 20 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B46-0.5</b>	<b>18-07-0811-88-A</b>	<b>07/11/18 14:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:05</b>	<b>180718L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	191	0.493	0.985	
Beryllium	0.457	0.246	0.985	
Cadmium	2.15	0.493	0.985	
Chromium	33.4	0.246	0.985	
Cobalt	9.30	0.246	0.985	
Copper	37.3	0.493	0.985	
Lead	12.7	0.493	0.985	
Molybdenum	5.77	0.246	0.985	
Nickel	41.0	0.246	0.985	
Selenium	2.71	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	35.6	0.246	0.985	
Zinc	84.1	0.985	0.985	

<b>B47-0.5</b>	<b>18-07-0811-91-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:06</b>	<b>180718L07</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	202	0.503	1.01	
Beryllium	0.506	0.251	1.01	
Cadmium	1.89	0.503	1.01	
Chromium	36.2	0.251	1.01	
Cobalt	7.71	0.251	1.01	
Copper	34.8	0.503	1.01	
Lead	4.43	0.503	1.01	
Molybdenum	5.40	0.251	1.01	
Nickel	35.5	0.251	1.01	
Selenium	0.812	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	41.0	0.251	1.01	
Zinc	78.2	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 21 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B47-0.5 DUP</b>	<b>18-07-0811-92-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:10</b>	<b>180718L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	183	0.505	1.01	
Beryllium	0.489	0.253	1.01	
Cadmium	2.12	0.505	1.01	
Chromium	38.3	0.253	1.01	
Cobalt	7.49	0.253	1.01	
Copper	34.3	0.505	1.01	
Lead	4.09	0.505	1.01	
Molybdenum	5.87	0.253	1.01	
Nickel	34.8	0.253	1.01	
Selenium	1.97	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	45.1	0.253	1.01	
Zinc	78.4	1.01	1.01	

<b>B48-0.5</b>	<b>18-07-0811-95-A</b>	<b>07/11/18 14:56</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:11</b>	<b>180718L05</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.714	0.952	
Barium	159	0.476	0.952	
Beryllium	0.373	0.238	0.952	
Cadmium	0.980	0.476	0.952	
Chromium	33.6	0.238	0.952	
Cobalt	6.20	0.238	0.952	
Copper	31.2	0.476	0.952	
Lead	7.15	0.476	0.952	
Molybdenum	7.56	0.238	0.952	
Nickel	28.9	0.238	0.952	
Selenium	4.13	0.714	0.952	
Silver	ND	0.238	0.952	
Thallium	ND	0.714	0.952	
Vanadium	34.0	0.238	0.952	
Zinc	69.7	0.952	0.952	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 22 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49-0.5</b>	<b>18-07-0811-98-A</b>	<b>07/11/18 15:04</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 18:12</b>	<b>180718L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.721	0.962	
Barium	182	0.481	0.962	
Beryllium	0.382	0.240	0.962	
Cadmium	0.732	0.481	0.962	
Chromium	34.7	0.240	0.962	
Cobalt	8.01	0.240	0.962	
Copper	40.2	0.481	0.962	
Lead	6.35	0.481	0.962	
Molybdenum	10.2	0.240	0.962	
Nickel	26.1	0.240	0.962	
Selenium	4.36	0.721	0.962	
Silver	ND	0.240	0.962	
Thallium	ND	0.721	0.962	
Vanadium	36.6	0.240	0.962	
Zinc	89.6	0.962	0.962	

<b>Method Blank</b>	<b>097-01-002-26643</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/18/18</b>	<b>07/19/18 12:42</b>	<b>180718L05</b>
---------------------	-------------------------	------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	ND	0.495	0.990	
Beryllium	ND	0.248	0.990	
Cadmium	ND	0.495	0.990	
Chromium	ND	0.248	0.990	
Cobalt	ND	0.248	0.990	
Copper	ND	0.495	0.990	
Lead	ND	0.495	0.990	
Molybdenum	ND	0.248	0.990	
Nickel	ND	0.248	0.990	
Selenium	ND	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	ND	0.248	0.990	
Zinc	ND	0.990	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 23 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26662	N/A	Solid	ICP 8300	07/18/18	07/23/18 16:50	180718L06

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Barium	ND	0.493	0.985	
Beryllium	ND	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	ND	0.246	0.985	
Cobalt	ND	0.246	0.985	
Copper	ND	0.493	0.985	
Lead	ND	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	ND	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	ND	0.246	0.985	
Zinc	ND	0.985	0.985	

Method Blank	097-01-002-26666	N/A	Solid	ICP 8300	07/18/18	07/23/18 16:52	180718L07
--------------	------------------	-----	-------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3010A Total  
Method: EPA 6010B  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-2	18-07-0811-102-D	07/11/18 15:30	Aqueous	ICP 8300	07/18/18	07/23/18 18:51	180718LA2

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

Method Blank	097-01-003-16973	N/A	Aqueous	ICP 7300	07/18/18	07/20/18 10:42	180718LA2
--------------	------------------	-----	---------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	0.0321	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3020A Total  
Method: EPA 6020  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-2	18-07-0811-102-D	07/11/18 15:30	Aqueous	ICP/MS 05	07/18/18	07/20/18 02:42	180718LA1A

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	0.00100	1.00	

Method Blank	096-06-003-5945	N/A	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:03	180718LA1A
--------------	-----------------	-----	---------	-----------	----------	----------------	------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	0.00100	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B21-0.5</b>	<b>18-07-0811-1-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:05</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.88	1.00		1.00		
<b>B21-0.5 DUP</b>	<b>18-07-0811-2-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:30</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.08	1.00		1.00		
<b>B22-0.5</b>	<b>18-07-0811-5-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:34</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.04	1.00		1.00		
<b>B22-0.5 DUP</b>	<b>18-07-0811-6-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:38</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.41	1.00		1.00		
<b>B23-0.5</b>	<b>18-07-0811-9-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:42</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.43	1.00		1.00		
<b>B23-0.5 DUP</b>	<b>18-07-0811-10-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:58</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.14	1.00		1.00		
<b>B24-0.5</b>	<b>18-07-0811-13-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:02</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.13	1.00		1.00		
<b>B24-0.5 DUP</b>	<b>18-07-0811-14-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:06</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.98	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B25-0.5</b>	<b>18-07-0811-17-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:10</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.93	1.00		1.00		
<b>B25-0.5 DUP</b>	<b>18-07-0811-18-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:14</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.02	1.00		1.00		
<b>B26-0.5</b>	<b>18-07-0811-21-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:18</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.98	1.00		1.00		
<b>B26-0.5 DUP</b>	<b>18-07-0811-22-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:23</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.92	1.00		1.00		
<b>B27-0.5</b>	<b>18-07-0811-25-A</b>	<b>07/11/18 09:25</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:27</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.19	1.00		1.00		
<b>B28-0.5</b>	<b>18-07-0811-28-A</b>	<b>07/11/18 09:45</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:31</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.78	1.00		1.00		
<b>B29-0.5</b>	<b>18-07-0811-31-A</b>	<b>07/11/18 10:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:35</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.34	1.00		1.00		
<b>B30-0.5</b>	<b>18-07-0811-34-A</b>	<b>07/11/18 10:16</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:51</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.30	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B31-0.5</b>	<b>18-07-0811-37-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:55</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.53	1.00		1.00		
<b>B31-0.5 DUP</b>	<b>18-07-0811-38-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 06:59</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.91	1.00		1.00		
<b>B32-0.5</b>	<b>18-07-0811-41-A</b>	<b>07/11/18 10:48</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:03</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.64	1.00		1.00		
<b>B33-0.5</b>	<b>18-07-0811-44-A</b>	<b>07/11/18 11:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:07</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.73	1.00		1.00		
<b>B34-0.5</b>	<b>18-07-0811-47-A</b>	<b>07/11/18 11:15</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 05:25</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.08	1.00		1.00		
<b>B35-0.5</b>	<b>18-07-0811-51-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:11</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.95	1.00		1.00		
<b>B35-0.5 DUP</b>	<b>18-07-0811-52-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:16</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.27	1.00		1.00		
<b>B36-0.5</b>	<b>18-07-0811-55-A</b>	<b>07/11/18 12:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:20</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.97	1.00		1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-0.5</b>	<b>18-07-0811-58-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:24</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		24.2	1.00		1.00		
<b>B37-0.5 DUP</b>	<b>18-07-0811-59-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:28</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		20.2	1.00		1.00		
<b>B38-0.5</b>	<b>18-07-0811-62-A</b>	<b>07/11/18 12:24</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:44</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.63	1.00		1.00		
<b>B39-0.5</b>	<b>18-07-0811-65-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:48</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.05	1.00		1.00		
<b>B39-0.5 DUP</b>	<b>18-07-0811-66-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:52</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.99	1.00		1.00		
<b>B40-0.5</b>	<b>18-07-0811-69-A</b>	<b>07/11/18 12:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 07:56</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.00	1.00		1.00		
<b>B40-1.5</b>	<b>18-07-0811-70-A</b>	<b>07/11/18 12:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 08:00</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.79	1.00		1.00		
<b>B41-0.5</b>	<b>18-07-0811-72-A</b>	<b>07/11/18 13:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 08:05</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		12.6	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41-1.5</b>	<b>18-07-0811-73-A</b>	<b>07/11/18 13:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 08:09</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		11.3	1.00		1.00		
<b>B42-0.5</b>	<b>18-07-0811-75-A</b>	<b>07/11/18 13:46</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 08:13</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.98	1.00		1.00		
<b>B43-0.5</b>	<b>18-07-0811-78-A</b>	<b>07/11/18 14:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 08:17</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		17.4	1.00		1.00		
<b>B44-0.5</b>	<b>18-07-0811-81-A</b>	<b>07/11/18 14:10</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 08:21</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.19	1.00		1.00		
<b>B45-0.5</b>	<b>18-07-0811-84-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:26</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.08	1.00		1.00		
<b>B45-0.5 DUP</b>	<b>18-07-0811-85-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:27</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.34	1.00		1.00		
<b>B46-0.5</b>	<b>18-07-0811-88-A</b>	<b>07/11/18 14:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:28</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.98	1.00		1.00		
<b>B47-0.5</b>	<b>18-07-0811-91-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:30</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.12	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B47-0.5 DUP</b>	<b>18-07-0811-92-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:31</b>	<b>180718L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		9.34		1.00		1.00	
<b>B48-0.5</b>	<b>18-07-0811-95-A</b>	<b>07/11/18 14:56</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:32</b>	<b>180718L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		8.98		1.00		1.00	
<b>B49-0.5</b>	<b>18-07-0811-98-A</b>	<b>07/11/18 15:04</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 09:33</b>	<b>180718L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		14.1		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1694</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/18/18 19:44</b>	<b>180718L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1692</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 03:35</b>	<b>180718L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1693</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 03:39</b>	<b>180718L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7470A Total  
Method: EPA 7470A  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>EB-2</b>	<b>18-07-0811-102-D</b>	<b>07/11/18 15:30</b>	<b>Aqueous</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 16:14</b>	<b>180719LA2</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.000500	1.00	

<b>Method Blank</b>	<b>099-04-008-8632</b>	<b>N/A</b>	<b>Aqueous</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 15:49</b>	<b>180719LA2</b>
---------------------	------------------------	------------	----------------	-------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B21-0.5</b>	<b>18-07-0811-1-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:32</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		
<b>B21-0.5 DUP</b>	<b>18-07-0811-2-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:39</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B22-0.5</b>	<b>18-07-0811-5-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:41</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0806		1.00		
<b>B22-0.5 DUP</b>	<b>18-07-0811-6-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:43</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0820		1.00		
<b>B23-0.5</b>	<b>18-07-0811-9-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:46</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B23-0.5 DUP</b>	<b>18-07-0811-10-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:48</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0806		1.00		
<b>B24-0.5</b>	<b>18-07-0811-13-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:55</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		
<b>B24-0.5 DUP</b>	<b>18-07-0811-14-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:57</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B25-0.5</b>	<b>18-07-0811-17-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:59</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		
<b>B25-0.5 DUP</b>	<b>18-07-0811-18-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:02</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0806		1.00		
<b>B26-0.5</b>	<b>18-07-0811-21-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:04</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B26-0.5 DUP</b>	<b>18-07-0811-22-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:06</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B27-0.5</b>	<b>18-07-0811-25-A</b>	<b>07/11/18 09:25</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:09</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		
<b>B28-0.5</b>	<b>18-07-0811-28-A</b>	<b>07/11/18 09:45</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:11</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B29-0.5</b>	<b>18-07-0811-31-A</b>	<b>07/11/18 10:00</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:13</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0847		1.00		
<b>B30-0.5</b>	<b>18-07-0811-34-A</b>	<b>07/11/18 10:16</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:16</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0820		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B31-0.5</b>	<b>18-07-0811-37-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:25</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		
<b>B31-0.5 DUP</b>	<b>18-07-0811-38-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:27</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		
<b>B32-0.5</b>	<b>18-07-0811-41-A</b>	<b>07/11/18 10:48</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:29</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0806	1.00		
<b>B33-0.5</b>	<b>18-07-0811-44-A</b>	<b>07/11/18 11:00</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 19:32</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0877	1.00		
<b>B34-0.5</b>	<b>18-07-0811-47-A</b>	<b>07/11/18 11:15</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:06</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0827		0.0820	1.00		
<b>B35-0.5</b>	<b>18-07-0811-51-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:30</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0806	1.00		
<b>B35-0.5 DUP</b>	<b>18-07-0811-52-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:32</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		
<b>B36-0.5</b>	<b>18-07-0811-55-A</b>	<b>07/11/18 12:00</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:34</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0862	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-0.5</b>	<b>18-07-0811-58-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:36</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0886	0.0877		1.00		
<b>B37-0.5 DUP</b>	<b>18-07-0811-59-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:39</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0836	0.0820		1.00		
<b>B38-0.5</b>	<b>18-07-0811-62-A</b>	<b>07/11/18 12:24</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:41</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		
<b>B39-0.5</b>	<b>18-07-0811-65-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:43</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0847		1.00		
<b>B39-0.5 DUP</b>	<b>18-07-0811-66-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:45</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0806		1.00		
<b>B40-0.5</b>	<b>18-07-0811-69-A</b>	<b>07/11/18 12:50</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:48</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		
<b>B40-1.5</b>	<b>18-07-0811-70-A</b>	<b>07/11/18 12:52</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:55</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0847		1.00		
<b>B41-0.5</b>	<b>18-07-0811-72-A</b>	<b>07/11/18 13:00</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:57</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0847		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41-1.5</b>	<b>18-07-0811-73-A</b>	<b>07/11/18 13:02</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:59</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0838	0.0794		1.00		
<b>B42-0.5</b>	<b>18-07-0811-75-A</b>	<b>07/11/18 13:46</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:01</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		
<b>B43-0.5</b>	<b>18-07-0811-78-A</b>	<b>07/11/18 14:00</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:04</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0806		1.00		
<b>B44-0.5</b>	<b>18-07-0811-81-A</b>	<b>07/11/18 14:10</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:06</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0862		1.00		
<b>B45-0.5</b>	<b>18-07-0811-84-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:08</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B45-0.5 DUP</b>	<b>18-07-0811-85-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:10</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0833		1.00		
<b>B46-0.5</b>	<b>18-07-0811-88-A</b>	<b>07/11/18 14:32</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:13</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0794		1.00		
<b>B47-0.5</b>	<b>18-07-0811-91-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:15</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Mercury		ND	0.0877		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B47-0.5 DUP</b>	<b>18-07-0811-92-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:26</b>	<b>180719L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B48-0.5</b>	<b>18-07-0811-95-A</b>	<b>07/11/18 14:56</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:22</b>	<b>180719L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B49-0.5</b>	<b>18-07-0811-98-A</b>	<b>07/11/18 15:04</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 20:24</b>	<b>180719L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0877		1.00	
<b>Method Blank</b>	<b>099-16-272-3984</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 16:21</b>	<b>180719L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0833		1.00	
<b>Method Blank</b>	<b>099-16-272-3986</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:27</b>	<b>180719L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>Method Blank</b>	<b>099-16-272-3985</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:02</b>	<b>180719L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B21-0.5</b>	<b>18-07-0811-1-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/20/18</b>	<b>07/24/18 09:54</b>	<b>180720L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B21-0.5 DUP</b>	<b>18-07-0811-2-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 06:24</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 3 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B22-0.5</b>	<b>18-07-0811-5-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 10:25</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 4 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B22-0.5 DUP</b>	<b>18-07-0811-6-A</b>	<b>07/11/18 07:41</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 06:38</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 5 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B23-0.5</b>	<b>18-07-0811-9-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 06:52</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 6 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B23-0.5 DUP</b>	<b>18-07-0811-10-A</b>	<b>07/11/18 07:51</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 07:06</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 7 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B24-0.5</b>	<b>18-07-0811-13-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 07:21</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 8 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B24-0.5 DUP</b>	<b>18-07-0811-14-A</b>	<b>07/11/18 08:05</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 07:35</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 9 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B25-0.5</b>	<b>18-07-0811-17-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 07:49</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 10 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B25-0.5 DUP</b>	<b>18-07-0811-18-A</b>	<b>07/11/18 08:40</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 08:03</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	50	24-168	
2,4,5,6-Tetrachloro-m-Xylene	45	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 11 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B26-0.5</b>	<b>18-07-0811-21-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 08:18</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 12 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B26-0.5 DUP</b>	<b>18-07-0811-22-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 08:32</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 13 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B27-0.5</b>	<b>18-07-0811-25-A</b>	<b>07/11/18 09:25</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 08:46</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 14 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B28-0.5</b>	<b>18-07-0811-28-A</b>	<b>07/11/18 09:45</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 09:00</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	40	24-168	
2,4,5,6-Tetrachloro-m-Xylene	28	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 15 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B29-0.5</b>	<b>18-07-0811-31-A</b>	<b>07/11/18 10:00</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 09:14</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	14	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 16 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B30-0.5</b>	<b>18-07-0811-34-A</b>	<b>07/11/18 10:16</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 09:28</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 17 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B31-0.5</b>	<b>18-07-0811-37-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 12:00</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 18 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B31-0.5 DUP</b>	<b>18-07-0811-38-A</b>	<b>07/11/18 10:41</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 09:42</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 19 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B32-0.5</b>	<b>18-07-0811-41-A</b>	<b>07/11/18 10:48</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 09:56</b>	<b>180716L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 20 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B33-0.5</b>	<b>18-07-0811-44-A</b>	<b>07/11/18 11:00</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 12:15</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 21 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B34-0.5</b>	<b>18-07-0811-47-A</b>	<b>07/11/18 11:15</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 12:29</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 22 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B35-0.5</b>	<b>18-07-0811-51-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 12:43</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 23 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B35-0.5 DUP</b>	<b>18-07-0811-52-A</b>	<b>07/11/18 11:51</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 12:58</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 24 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B36-0.5</b>	<b>18-07-0811-55-A</b>	<b>07/11/18 12:00</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 13:12</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 25 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-0.5</b>	<b>18-07-0811-58-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 13:26</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	61	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	31	4.9	1.00	
4,4'-DDT	9.5	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 26 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-0.5 DUP</b>	<b>18-07-0811-59-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 13:40</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	51	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	30	5.0	1.00	
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	126	24-168	
2,4,5,6-Tetrachloro-m-Xylene	132	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 27 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B38-0.5</b>	<b>18-07-0811-62-A</b>	<b>07/11/18 12:24</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 13:55</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	0	25-145	2,6

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 28 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B39-0.5</b>	<b>18-07-0811-65-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 14:09</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	14	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 29 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B39-0.5 DUP</b>	<b>18-07-0811-66-A</b>	<b>07/11/18 12:40</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 14:23</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 30 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B40-0.5</b>	<b>18-07-0811-69-A</b>	<b>07/11/18 12:50</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 14:37</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 31 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B40-1.5</b>	<b>18-07-0811-70-A</b>	<b>07/11/18 12:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 14:52</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	12	5.0	1.00	
4,4'-DDE	12	5.0	1.00	
4,4'-DDT	18	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 32 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41-0.5</b>	<b>18-07-0811-72-A</b>	<b>07/11/18 13:00</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 15:06</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	8.3	5.0	1.00	
4,4'-DDT	8.7	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

<b>B41-0.5</b>	<b>18-07-0811-72-A</b>	<b>07/11/18 13:00</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 19:17</b>	<b>180716L03</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	140	50	10.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 33 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41-1.5</b>	<b>18-07-0811-73-A</b>	<b>07/11/18 13:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 15:20</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	8.0	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 34 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B42-0.5</b>	<b>18-07-0811-75-A</b>	<b>07/11/18 13:46</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 15:34</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	81	50	1.00	
4,4'-DDD	14	5.0	1.00	
4,4'-DDE	14	5.0	1.00	
4,4'-DDT	26	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	159	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 35 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43-0.5</b>	<b>18-07-0811-78-A</b>	<b>07/11/18 14:00</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 15:49</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	180	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	16	5.0	1.00	
4,4'-DDT	8.6	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 36 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B44-0.5</b>	<b>18-07-0811-81-A</b>	<b>07/11/18 14:10</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 16:03</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 37 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B45-0.5</b>	<b>18-07-0811-84-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 16:17</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 38 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B45-0.5 DUP</b>	<b>18-07-0811-85-A</b>	<b>07/11/18 14:16</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 16:31</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 39 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B46-0.5</b>	<b>18-07-0811-88-A</b>	<b>07/11/18 14:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 18:20</b>	<b>180716L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 40 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B47-0.5</b>	<b>18-07-0811-91-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 15:39</b>	<b>180716L14</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 41 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B47-0.5 DUP</b>	<b>18-07-0811-92-A</b>	<b>07/11/18 14:46</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 16:39</b>	<b>180716L14</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 42 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B48-0.5</b>	<b>18-07-0811-95-A</b>	<b>07/11/18 14:56</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 16:53</b>	<b>180716L14</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 43 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49-0.5</b>	<b>18-07-0811-98-A</b>	<b>07/11/18 15:04</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 17:08</b>	<b>180716L14</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	78	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 44 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2987	N/A	Solid	GC 44	07/16/18	07/20/18 02:22	180716L02

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 45 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2988	N/A	Solid	GC 44	07/16/18	07/20/18 02:50	180716L03

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 46 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2982	N/A	Solid	GC 44	07/16/18	07/17/18 14:28	180716L14

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: Taft Charter High School

Page 47 of 47

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2989	N/A	Solid	GC 44	07/20/18	07/23/18 11:06	180720L08

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-2	18-07-0811-102-G	07/11/18 15:30	Aqueous	GC 44	07/13/18	07/17/18 07:16	180713L12

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.094	1.00	
Gamma-BHC	ND	0.094	1.00	
Beta-BHC	ND	0.094	1.00	
Heptachlor	ND	0.094	1.00	
Delta-BHC	ND	0.094	1.00	
Aldrin	ND	0.094	1.00	
Heptachlor Epoxide	ND	0.094	1.00	
Endosulfan I	ND	0.094	1.00	
Dieldrin	ND	0.094	1.00	
4,4'-DDE	ND	0.094	1.00	
Endrin	ND	0.094	1.00	
Endrin Aldehyde	ND	0.094	1.00	
4,4'-DDD	ND	0.094	1.00	
Endosulfan II	ND	0.094	1.00	
4,4'-DDT	ND	0.094	1.00	
Endosulfan Sulfate	ND	0.094	1.00	
Methoxychlor	ND	0.094	1.00	
Chlordane	ND	0.94	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.094	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	50-135	
2,4,5,6-Tetrachloro-m-Xylene	114	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-529-1038	N/A	Aqueous	GC 44	07/13/18	07/17/18 05:22	180713L12

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	50-135	
2,4,5,6-Tetrachloro-m-Xylene	108	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: Taft Charter High School

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B21-0.5</b>	<b>18-07-0811-1-A</b>	<b>07/11/18 07:31</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/17/18</b>	<b>07/18/18 19:34</b>	<b>180717L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

<b>B26-0.5</b>	<b>18-07-0811-21-A</b>	<b>07/11/18 08:50</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/17/18</b>	<b>07/18/18 19:52</b>	<b>180717L09</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	49	1.00	
Aroclor-1221	ND	49	1.00	
Aroclor-1232	ND	49	1.00	
Aroclor-1242	ND	49	1.00	
Aroclor-1248	ND	49	1.00	
Aroclor-1254	ND	49	1.00	
Aroclor-1260	ND	49	1.00	
Aroclor-1262	ND	49	1.00	
Aroclor-1268	ND	49	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: Taft Charter High School

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B32-0.5</b>	<b>18-07-0811-41-A</b>	<b>07/11/18 10:48</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/17/18</b>	<b>07/18/18 20:28</b>	<b>180717L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

<b>B38-0.5</b>	<b>18-07-0811-62-A</b>	<b>07/11/18 12:24</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/17/18</b>	<b>07/18/18 20:46</b>	<b>180717L09</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	49	1.00	
Aroclor-1221	ND	49	1.00	
Aroclor-1232	ND	49	1.00	
Aroclor-1242	ND	49	1.00	
Aroclor-1248	ND	49	1.00	
Aroclor-1254	ND	49	1.00	
Aroclor-1260	ND	49	1.00	
Aroclor-1262	ND	49	1.00	
Aroclor-1268	ND	49	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: Taft Charter High School

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-535-4759	N/A	Solid	GC 58	07/17/18	07/18/18 15:22	180717L09

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8082  
Units: ug/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-2	18-07-0811-102-G	07/11/18 15:30	Aqueous	GC 66	07/13/18	07/16/18 21:44	180713L12

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	0.94	1.00	
Aroclor-1221	ND	0.94	1.00	
Aroclor-1232	ND	0.94	1.00	
Aroclor-1242	ND	0.94	1.00	
Aroclor-1248	ND	0.94	1.00	
Aroclor-1254	ND	0.94	1.00	
Aroclor-1260	ND	0.94	1.00	
Aroclor-1262	ND	0.94	1.00	
Aroclor-1268	ND	0.94	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	50-135	
2,4,5,6-Tetrachloro-m-Xylene	99	50-135	

Method Blank	099-12-533-1414	N/A	Aqueous	GC 66	07/13/18	07/16/18 20:50	180713L12
--------------	-----------------	-----	---------	-------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	
Aroclor-1268	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	68	50-135	
2,4,5,6-Tetrachloro-m-Xylene	59	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>TB-2</b>	<b>18-07-0811-101-B</b>	<b>07/11/18 00:00</b>	<b>Aqueous</b>	<b>GC/MS Z</b>	<b>07/17/18</b>	<b>07/17/18 17:49</b>	<b>180717L021</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 2 of 12

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 3 of 12

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	77-120	
Dibromofluoromethane	110	80-128	
1,2-Dichloroethane-d4	117	80-129	
Toluene-d8	98	80-120	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-2	18-07-0811-102-A	07/11/18 15:30	Aqueous	GC/MS Z	07/16/18	07/16/18 21:10	180716L033

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 5 of 12

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 6 of 12

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	111	80-128	
1,2-Dichloroethane-d4	119	80-129	
Toluene-d8	98	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-26442	N/A	Aqueous	GC/MS Z	07/16/18	07/16/18 17:15	180716L033

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 8 of 12

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 9 of 12

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	105	80-128	
1,2-Dichloroethane-d4	115	80-129	
Toluene-d8	98	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 10 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-26441	N/A	Aqueous	GC/MS Z	07/17/18	07/17/18 17:20	180717L021

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
1,1-Dichloropropene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Butanone	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
4-Chlorotoluene	ND	1.0	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
Carbon Disulfide	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 11 of 12

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
Dibromochloromethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Ethylbenzene	ND	1.0	1.00	
Isopropylbenzene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
Naphthalene	ND	10	1.00	
Styrene	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
n-Butylbenzene	ND	1.0	1.00	
n-Propylbenzene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
tert-Butylbenzene	ND	1.0	1.00	
p/m-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1.00	
Ethanol	ND	100	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: Taft Charter High School

Page 12 of 12

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	106	80-128	
1,2-Dichloroethane-d4	112	80-129	
Toluene-d8	97	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1266-1	Sample	Solid	ICP 7300	07/18/18	07/19/18 12:15	180718S05
18-07-1266-1	Matrix Spike	Solid	ICP 7300	07/18/18	07/19/18 12:14	180718S05
18-07-1266-1	Matrix Spike Duplicate	Solid	ICP 7300	07/18/18	07/19/18 12:14	180718S05

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.812	19	2.704	11	50-115	56	0-20	3,4
Barium	121.1	25.00	156.3	4X	150.6	4X	75-125	4X	0-20	Q
Beryllium	0.5686	25.00	27.78	109	25.62	100	75-125	8	0-20	
Cadmium	0.5967	25.00	25.21	98	23.31	91	75-125	8	0-20	
Chromium	15.14	25.00	40.69	102	39.13	96	75-125	4	0-20	
Cobalt	8.833	25.00	34.27	102	30.12	85	75-125	13	0-20	
Copper	20.07	25.00	46.67	106	43.76	95	75-125	6	0-20	
Lead	7.250	25.00	34.25	108	31.75	98	75-125	8	0-20	
Molybdenum	3.125	25.00	27.65	98	24.39	85	75-125	13	0-20	
Nickel	14.74	25.00	40.87	105	36.24	86	75-125	12	0-20	
Selenium	ND	25.00	22.82	91	22.78	91	75-125	0	0-20	
Silver	ND	12.50	15.16	121	13.37	107	75-125	13	0-20	
Thallium	ND	25.00	23.24	93	17.43	70	75-125	29	0-20	3,4
Vanadium	37.97	25.00	65.32	109	62.12	97	75-125	5	0-20	
Zinc	61.75	25.00	91.60	119	82.79	84	75-125	10	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B21-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:05</b>	<b>180718S06</b>				
<b>B21-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 16:57</b>	<b>180718S06</b>				
<b>B21-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 16:58</b>	<b>180718S06</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	ND	25.00	5.011	20	5.522	22	50-115	10	0-20	3
Barium	157.5	25.00	361.2	4X	374.7	4X	75-125	4X	0-20	Q
Beryllium	0.4931	25.00	24.98	98	25.17	99	75-125	1	0-20	
Cadmium	1.055	25.00	24.92	95	25.51	98	75-125	2	0-20	
Chromium	20.48	25.00	45.61	101	46.87	106	75-125	3	0-20	
Cobalt	7.999	25.00	31.90	96	32.61	98	75-125	2	0-20	
Copper	17.71	25.00	52.04	137	53.43	143	75-125	3	0-20	3
Lead	3.438	25.00	27.13	95	27.00	94	75-125	0	0-20	
Molybdenum	2.894	25.00	24.09	85	24.53	87	75-125	2	0-20	
Nickel	22.64	25.00	49.60	108	50.82	113	75-125	2	0-20	
Selenium	1.886	25.00	27.35	102	27.88	104	75-125	2	0-20	
Silver	ND	12.50	13.63	109	13.88	111	75-125	2	0-20	
Thallium	ND	25.00	22.44	90	22.46	90	75-125	0	0-20	
Vanadium	33.74	25.00	54.82	84	56.29	90	75-125	3	0-20	
Zinc	52.49	25.00	80.38	112	82.01	118	75-125	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 3 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B34-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:31</b>	<b>180718S07</b>				
<b>B34-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 16:59</b>	<b>180718S07</b>				
<b>B34-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 17:00</b>	<b>180718S07</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	ND	25.00	6.349	25	5.245	21	50-115	19	0-20	3
Barium	69.80	25.00	98.96	117	92.32	90	75-125	7	0-20	
Beryllium	0.3731	25.00	27.82	110	25.99	102	75-125	7	0-20	
Cadmium	0.9717	25.00	28.17	109	26.51	102	75-125	6	0-20	
Chromium	38.80	25.00	70.00	125	65.25	106	75-125	7	0-20	
Cobalt	7.888	25.00	38.75	123	36.30	114	75-125	7	0-20	
Copper	40.62	25.00	79.72	156	74.66	136	75-125	7	0-20	3
Lead	4.708	25.00	30.70	104	28.77	96	75-125	7	0-20	
Molybdenum	11.29	25.00	33.98	91	31.53	81	75-125	7	0-20	
Nickel	41.08	25.00	79.35	153	74.98	136	75-125	6	0-20	3
Selenium	5.068	25.00	33.56	114	31.85	107	75-125	5	0-20	
Silver	0.2735	12.50	13.66	107	12.88	101	75-125	6	0-20	
Thallium	1.016	25.00	23.22	89	23.36	89	75-125	1	0-20	
Vanadium	30.95	25.00	52.99	88	49.73	75	75-125	6	0-20	
Zinc	91.87	25.00	136.5	178	127.7	143	75-125	7	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: Taft Charter High School

Page 4 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0849-1	Sample	Aqueous	ICP 7300	07/18/18	07/20/18 10:47	180718SA2
18-07-0849-1	Matrix Spike	Aqueous	ICP 7300	07/18/18	07/20/18 10:47	180718SA2
18-07-0849-1	Matrix Spike Duplicate	Aqueous	ICP 7300	07/18/18	07/20/18 10:50	180718SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	0.01690	0.5000	0.4762	92	0.4752	92	72-132	0	0-10	
Barium	0.06124	0.5000	0.5863	105	0.5764	103	87-123	2	0-6	
Beryllium	ND	0.5000	0.5243	105	0.5056	101	89-119	4	0-8	
Cadmium	ND	0.5000	0.5190	104	0.5143	103	82-124	1	0-7	
Chromium	ND	0.5000	0.5312	106	0.5066	101	86-122	5	0-8	
Cobalt	ND	0.5000	0.5353	107	0.5300	106	83-125	1	0-7	
Copper	0.2754	0.5000	0.8117	107	0.7876	102	78-126	3	0-7	
Lead	0.03554	0.5000	0.5684	107	0.5700	107	84-120	0	0-7	
Molybdenum	0.01844	0.5000	0.5141	99	0.5165	100	78-126	0	0-7	
Nickel	0.02768	0.5000	0.5403	103	0.5372	102	84-120	1	0-7	
Selenium	ND	0.5000	0.4703	94	0.4390	88	79-127	7	0-9	
Silver	ND	0.2500	0.1016	41	0.07946	32	86-128	24	0-7	3,4
Thallium	ND	0.5000	0.4888	98	0.5130	103	79-121	5	0-8	
Vanadium	ND	0.5000	0.5327	107	0.5120	102	88-118	4	0-7	
Zinc	0.4622	0.5000	1.017	111	0.9839	104	89-131	3	0-8	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3005A Filt.  
Method: EPA 6020

Project: Taft Charter High School

Page 5 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0647-3	Sample	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:27	180718SA1
18-07-0647-3	Matrix Spike	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:11	180718SA1
18-07-0647-3	Matrix Spike Duplicate	Aqueous	ICP/MS 05	07/18/18	07/20/18 00:15	180718SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.09641	96	0.1017	102	73-127	5	0-11	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 6 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0870-1	Sample	Sediment	ICP/MS 05	07/18/18	07/18/18 20:21	180718S01
18-07-0870-1	Matrix Spike	Sediment	ICP/MS 05	07/18/18	07/18/18 19:52	180718S01
18-07-0870-1	Matrix Spike Duplicate	Sediment	ICP/MS 05	07/18/18	07/18/18 19:56	180718S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	5.000	25.00	27.54	90	28.15	93	80-120	2	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 7 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B21-0.5	Sample	Solid	ICP/MS 05	07/18/18	07/20/18 05:05	180718S03				
B21-0.5	Matrix Spike	Solid	ICP/MS 05	07/18/18	07/20/18 03:51	180718S03				
B21-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	07/18/18	07/20/18 03:56	180718S03				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	3.878	25.00	30.93	108	30.81	108	72-132	0	0-13	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 8 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B34-0.5	Sample	Solid	ICP/MS 05	07/18/18	07/20/18 05:25	180718S04				
B34-0.5	Matrix Spike	Solid	ICP/MS 05	07/18/18	07/20/18 05:09	180718S04				
B34-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	07/18/18	07/20/18 05:13	180718S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	6.077	25.00	32.59	106	31.31	101	72-132	4	0-13	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7470A Total  
Method: EPA 7470A

Project: Taft Charter High School

Page 9 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0894-2	Sample	Aqueous	Mercury 07	07/19/18	07/19/18 15:53	180719SA2
18-07-0894-2	Matrix Spike	Aqueous	Mercury 07	07/18/18	07/20/18 14:57	180719SA2
18-07-0894-2	Matrix Spike Duplicate	Aqueous	Mercury 07	07/19/18	07/19/18 15:58	180719SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.008659	87	0.008679	87	55-133	0	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 10 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0870-1	Sample	Sediment	Mercury 07	07/19/18	07/19/18 16:26	180719S02
18-07-0870-1	Matrix Spike	Sediment	Mercury 07	07/19/18	07/19/18 16:28	180719S02
18-07-0870-1	Matrix Spike Duplicate	Sediment	Mercury 07	07/19/18	07/19/18 16:30	180719S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.1484	0.8350	0.7128	68	0.7358	70	76-136	3	0-16	3

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 11 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B34-0.5	Sample	Solid	Mercury 07	07/19/18	07/19/18 19:06	180719S04				
B34-0.5	Matrix Spike	Solid	Mercury 07	07/19/18	07/19/18 19:09	180719S04				
B34-0.5	Matrix Spike Duplicate	Solid	Mercury 07	07/19/18	07/19/18 19:27	180719S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.08266	0.8350	0.8926	97	0.8140	88	71-137	9	0-14	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 12 of 17

Quality Control Sample ID	Type		Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number			
B21-0.5	Sample		Solid	Mercury 08	07/19/18	07/19/18 18:32	180719S03			
B21-0.5	Matrix Spike		Solid	Mercury 08	07/19/18	07/19/18 18:34	180719S03			
B21-0.5	Matrix Spike Duplicate		Solid	Mercury 08	07/19/18	07/19/18 18:36	180719S03			
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7835	94	0.8435	101	71-137	7	0-14	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 13 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B22-0.5 DUP</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 06:38</b>	<b>180716S02</b>
<b>B22-0.5 DUP</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 05:55</b>	<b>180716S02</b>
<b>B22-0.5 DUP</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 06:09</b>	<b>180716S02</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	25.28	101	25.38	102	50-135	0	0-25	
Alpha-BHC	ND	25.00	24.88	100	25.22	101	50-135	1	0-25	
Beta-BHC	ND	25.00	26.45	106	26.23	105	50-135	1	0-25	
4,4'-DDD	ND	25.00	26.34	105	25.26	101	50-135	4	0-25	
4,4'-DDE	ND	25.00	26.79	107	26.14	105	50-135	2	0-25	
4,4'-DDT	ND	25.00	27.52	110	26.40	106	50-135	4	0-25	
Delta-BHC	ND	25.00	25.51	102	25.36	101	50-135	1	0-25	
Dieldrin	ND	25.00	26.58	106	26.04	104	50-135	2	0-25	
Endosulfan I	ND	25.00	27.35	109	26.80	107	50-135	2	0-25	
Endosulfan II	ND	25.00	26.68	107	25.82	103	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	27.31	109	26.37	105	50-135	4	0-25	
Endrin	ND	25.00	27.77	111	27.20	109	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	24.24	97	24.11	96	50-135	1	0-25	
Gamma-BHC	ND	25.00	25.72	103	25.81	103	50-135	0	0-25	
Heptachlor	ND	25.00	25.63	103	25.86	103	50-135	1	0-25	
Heptachlor Epoxide	ND	25.00	24.54	98	24.30	97	50-135	1	0-25	
Methoxychlor	ND	25.00	27.03	108	25.80	103	50-135	5	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 14 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B45-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 16:17</b>	<b>180716S03</b>
<b>B45-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 18:34</b>	<b>180716S03</b>
<b>B45-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/20/18 18:48</b>	<b>180716S03</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	23.30	93	21.68	87	50-135	7	0-25	
Alpha-BHC	ND	25.00	22.72	91	21.97	88	50-135	3	0-25	
Beta-BHC	ND	25.00	22.93	92	21.88	88	50-135	5	0-25	
4,4'-DDD	ND	25.00	22.57	90	22.97	92	50-135	2	0-25	
4,4'-DDE	ND	25.00	22.32	89	20.88	84	50-135	7	0-25	
4,4'-DDT	ND	25.00	19.84	79	14.20	57	50-135	33	0-25	4
Delta-BHC	ND	25.00	22.42	90	21.10	84	50-135	6	0-25	
Dieldrin	ND	25.00	22.66	91	21.22	85	50-135	7	0-25	
Endosulfan I	ND	25.00	23.80	95	22.14	89	50-135	7	0-25	
Endosulfan II	ND	25.00	21.74	87	20.32	81	50-135	7	0-25	
Endosulfan Sulfate	ND	25.00	21.58	86	20.80	83	50-135	4	0-25	
Endrin	ND	25.00	23.84	95	22.04	88	50-135	8	0-25	
Endrin Aldehyde	ND	25.00	19.02	76	16.86	67	50-135	12	0-25	
Gamma-BHC	ND	25.00	23.06	92	22.07	88	50-135	4	0-25	
Heptachlor	ND	25.00	23.30	93	21.40	86	50-135	8	0-25	
Heptachlor Epoxide	ND	25.00	22.19	89	20.77	83	50-135	7	0-25	
Methoxychlor	ND	25.00	19.98	80	15.39	62	50-135	26	0-25	4

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 15 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B47-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 15:39</b>	<b>180716S14</b>
<b>B47-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 15:54</b>	<b>180716S14</b>
<b>B47-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 44</b>	<b>07/16/18</b>	<b>07/17/18 16:08</b>	<b>180716S14</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	23.98	96	21.74	87	50-135	10	0-25	
Alpha-BHC	ND	25.00	23.80	95	21.90	88	50-135	8	0-25	
Beta-BHC	ND	25.00	23.46	94	22.57	90	50-135	4	0-25	
4,4'-DDD	ND	25.00	23.99	96	22.28	89	50-135	7	0-25	
4,4'-DDE	ND	25.00	23.91	96	22.26	89	50-135	7	0-25	
4,4'-DDT	ND	25.00	24.50	98	22.78	91	50-135	7	0-25	
Delta-BHC	ND	25.00	23.80	95	22.18	89	50-135	7	0-25	
Dieldrin	ND	25.00	23.99	96	22.26	89	50-135	8	0-25	
Endosulfan I	ND	25.00	24.50	98	22.87	91	50-135	7	0-25	
Endosulfan II	ND	25.00	23.86	95	22.08	88	50-135	8	0-25	
Endosulfan Sulfate	ND	25.00	23.93	96	22.82	91	50-135	5	0-25	
Endrin	ND	25.00	24.80	99	23.04	92	50-135	7	0-25	
Endrin Aldehyde	ND	25.00	20.20	81	18.92	76	50-135	7	0-25	
Gamma-BHC	ND	25.00	23.28	93	22.04	88	50-135	5	0-25	
Heptachlor	ND	25.00	24.10	96	22.24	89	50-135	8	0-25	
Heptachlor Epoxide	ND	25.00	23.70	95	21.47	86	50-135	10	0-25	
Methoxychlor	ND	25.00	25.90	104	25.65	103	50-135	1	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 16 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1057-2	Sample	Solid	GC 44	07/20/18	07/23/18 12:03	180720S08
18-07-1057-2	Matrix Spike	Solid	GC 44	07/20/18	07/23/18 11:35	180720S08
18-07-1057-2	Matrix Spike Duplicate	Solid	GC 44	07/20/18	07/23/18 11:49	180720S08

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	24.32	97	22.74	91	50-135	7	0-25	
Alpha-BHC	ND	25.00	24.06	96	22.17	89	50-135	8	0-25	
Beta-BHC	ND	25.00	24.24	97	24.18	97	50-135	0	0-25	
4,4'-DDD	ND	25.00	27.70	111	25.26	101	50-135	9	0-25	
4,4'-DDE	ND	25.00	27.22	109	24.53	98	50-135	10	0-25	
4,4'-DDT	ND	25.00	29.98	120	26.15	105	50-135	14	0-25	
Delta-BHC	ND	25.00	26.58	106	24.36	97	50-135	9	0-25	
Dieldrin	ND	25.00	28.54	114	25.69	103	50-135	11	0-25	
Endosulfan I	ND	25.00	27.32	109	24.50	98	50-135	11	0-25	
Endosulfan II	ND	25.00	31.36	125	27.94	112	50-135	12	0-25	
Endosulfan Sulfate	ND	25.00	31.08	124	27.80	111	50-135	11	0-25	
Endrin	ND	25.00	29.02	116	26.12	104	50-135	11	0-25	
Endrin Aldehyde	ND	25.00	25.97	104	23.31	93	50-135	11	0-25	
Gamma-BHC	ND	25.00	24.54	98	22.60	90	50-135	8	0-25	
Heptachlor	ND	25.00	23.70	95	22.12	88	50-135	7	0-25	
Heptachlor Epoxide	ND	25.00	24.12	96	22.54	90	50-135	7	0-25	
Methoxychlor	ND	25.00	36.86	147	30.12	120	50-135	20	0-25	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8082

Project: Taft Charter High School

Page 17 of 17

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-0932-1	Sample	Solid	GC 58	07/17/18	07/18/18 17:10	180717S09
18-07-0932-1	Matrix Spike	Solid	GC 58	07/17/18	07/18/18 17:28	180717S09
18-07-0932-1	Matrix Spike Duplicate	Solid	GC 58	07/17/18	07/18/18 17:46	180717S09

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	117.5	118	90.50	90	50-135	26	0-20	4
Aroclor-1260	ND	100.0	113.5	114	101.0	101	50-135	12	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3005A Filt.  
Method: EPA 6020

Project: Taft Charter High School

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-07-0647-3	Sample	Aqueous	ICP/MS 05	07/18/18 00:00	07/20/18 00:27	180718SA1
18-07-0647-3	PDS	Aqueous	ICP/MS 05	07/18/18 00:00	07/20/18 00:19	180718SA1
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	ND	0.1000	0.1021	102	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-07-0870-1	Sample	Sediment	ICP/MS 05	07/18/18 00:00	07/18/18 20:21	180718S01
18-07-0870-1	PDS	Sediment	ICP/MS 05	07/18/18 00:00	07/18/18 20:12	180718S01
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	5.000	25.00	28.90	96	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B21-0.5	Sample	Solid	ICP/MS 05	07/18/18 00:00	07/20/18 05:05	180718S03	
B21-0.5	PDS	Solid	ICP/MS 05	07/18/18 00:00	07/20/18 04:00	180718S03	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		3.878	25.00	30.78	108	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B34-0.5	Sample	Solid	ICP/MS 05	07/18/18 00:00	07/20/18 05:25	180718S04	
B34-0.5	PDS	Solid	ICP/MS 05	07/18/18 00:00	07/20/18 05:17	180718S04	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		6.077	25.00	31.62	102	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: Taft Charter High School

Page 1 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-15-498-620	LCS	Aqueous	GC 50	07/17/18	07/19/18 18:02	180717B03			
099-15-498-620	LCSD	Aqueous	GC 50	07/17/18	07/19/18 18:22	180717B03			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	4000	3969	99	4034	101	69-123	2	0-30	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26643</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 7300</b>	<b>07/18/18</b>	<b>07/19/18 12:06</b>	<b>180718L05</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	25.79	103	80-120	73-127	
Barium	25.00	26.81	107	80-120	73-127	
Beryllium	25.00	26.22	105	80-120	73-127	
Cadmium	25.00	27.16	109	80-120	73-127	
Chromium	25.00	26.15	105	80-120	73-127	
Cobalt	25.00	27.79	111	80-120	73-127	
Copper	25.00	26.63	107	80-120	73-127	
Lead	25.00	28.26	113	80-120	73-127	
Molybdenum	25.00	26.59	106	80-120	73-127	
Nickel	25.00	27.98	112	80-120	73-127	
Selenium	25.00	26.83	107	80-120	73-127	
Silver	12.50	12.66	101	80-120	73-127	
Thallium	25.00	23.69	95	80-120	73-127	
Vanadium	25.00	25.63	103	80-120	73-127	
Zinc	25.00	27.94	112	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 3 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-26662	LCS	Solid	ICP 8300	07/18/18	07/23/18 16:51	180718L06
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	22.79	91	80-120	73-127	
Barium	25.00	25.99	104	80-120	73-127	
Beryllium	25.00	24.46	98	80-120	73-127	
Cadmium	25.00	27.47	110	80-120	73-127	
Chromium	25.00	25.23	101	80-120	73-127	
Cobalt	25.00	26.53	106	80-120	73-127	
Copper	25.00	24.03	96	80-120	73-127	
Lead	25.00	26.43	106	80-120	73-127	
Molybdenum	25.00	23.67	95	80-120	73-127	
Nickel	25.00	27.59	110	80-120	73-127	
Selenium	25.00	23.01	92	80-120	73-127	
Silver	12.50	11.33	91	80-120	73-127	
Thallium	25.00	24.63	99	80-120	73-127	
Vanadium	25.00	23.70	95	80-120	73-127	
Zinc	25.00	25.26	101	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 4 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26666</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/18/18</b>	<b>07/23/18 16:54</b>	<b>180718L07</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.96	92	80-120	73-127	
Barium	25.00	26.09	104	80-120	73-127	
Beryllium	25.00	24.35	97	80-120	73-127	
Cadmium	25.00	27.44	110	80-120	73-127	
Chromium	25.00	25.27	101	80-120	73-127	
Cobalt	25.00	26.87	107	80-120	73-127	
Copper	25.00	23.86	95	80-120	73-127	
Lead	25.00	26.50	106	80-120	73-127	
Molybdenum	25.00	23.90	96	80-120	73-127	
Nickel	25.00	27.42	110	80-120	73-127	
Selenium	25.00	22.83	91	80-120	73-127	
Silver	12.50	11.33	91	80-120	73-127	
Thallium	25.00	24.31	97	80-120	73-127	
Vanadium	25.00	23.87	95	80-120	73-127	
Zinc	25.00	25.52	102	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: Taft Charter High School

Page 5 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-16973	LCS	Aqueous	ICP 7300	07/18/18	07/20/18 10:43	180718LA2
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.4635	93	80-120	73-127	
Barium	0.5000	0.5174	103	80-120	73-127	
Beryllium	0.5000	0.4796	96	80-120	73-127	
Cadmium	0.5000	0.5128	103	80-120	73-127	
Chromium	0.5000	0.5152	103	80-120	73-127	
Cobalt	0.5000	0.5247	105	80-120	73-127	
Copper	0.5000	0.5209	104	80-120	73-127	
Lead	0.5000	0.5284	106	80-120	73-127	
Molybdenum	0.5000	0.4855	97	80-120	73-127	
Nickel	0.5000	0.5089	102	80-120	73-127	
Selenium	0.5000	0.4668	93	80-120	73-127	
Silver	0.2500	0.2332	93	80-120	73-127	
Thallium	0.5000	0.4833	97	80-120	73-127	
Vanadium	0.5000	0.5025	100	80-120	73-127	
Zinc	0.5000	0.5173	103	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3020A Total  
Method: EPA 6020

Project: Taft Charter High School

Page 6 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>096-06-003-5945</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 00:07</b>	<b>180718LA1A</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	0.1000	0.1149	115	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 7 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1694</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/18/18 19:48</b>	<b>180718L01</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	22.66	91	80-120	

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 8 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1692</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 03:43</b>	<b>180718L03</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	24.34	97	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 9 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1693</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/18/18</b>	<b>07/20/18 03:47</b>	<b>180718L04</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	24.48	98	80-120	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7470A Total  
Method: EPA 7470A

Project: Taft Charter High School

Page 10 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-04-008-8632</b>	<b>LCS</b>	<b>Aqueous</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 15:51</b>	<b>180719LA2</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.01000	0.009964	100	80-120	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 11 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-3984</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 16:23</b>	<b>180719L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.7727	93	85-121	

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 12 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-3985</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>07/19/18</b>	<b>07/19/18 19:04</b>	<b>180719L04</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.7371	88	85-121	

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 13 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-3986</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/19/18</b>	<b>07/19/18 18:29</b>	<b>180719L03</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.7281	87	85-121	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 14 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2987	LCS	Solid	GC 44	07/16/18	07/20/18 02:36	180716L02

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	27.17	109	50-135	36-149	
Alpha-BHC	25.00	27.13	109	50-135	36-149	
Beta-BHC	25.00	25.42	102	50-135	36-149	
4,4'-DDD	25.00	26.84	107	50-135	36-149	
4,4'-DDE	25.00	25.67	103	50-135	36-149	
4,4'-DDT	25.00	26.70	107	50-135	36-149	
Delta-BHC	25.00	27.52	110	50-135	36-149	
Dieldrin	25.00	27.63	111	50-135	36-149	
Endosulfan I	25.00	29.70	119	50-135	36-149	
Endosulfan II	25.00	27.96	112	50-135	36-149	
Endosulfan Sulfate	25.00	28.43	114	50-135	36-149	
Endrin	25.00	28.42	114	50-135	36-149	
Endrin Aldehyde	25.00	26.62	106	50-135	36-149	
Gamma-BHC	25.00	26.78	107	50-135	36-149	
Heptachlor	25.00	27.66	111	50-135	36-149	
Heptachlor Epoxide	25.00	26.86	107	50-135	36-149	
Methoxychlor	25.00	26.20	105	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 15 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2988	LCS	Solid	GC 44	07/16/18	07/20/18 03:05	180716L03

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	26.22	105	50-135	36-149	
Alpha-BHC	25.00	25.58	102	50-135	36-149	
Beta-BHC	25.00	24.16	97	50-135	36-149	
4,4'-DDD	25.00	25.45	102	50-135	36-149	
4,4'-DDE	25.00	24.30	97	50-135	36-149	
4,4'-DDT	25.00	25.02	100	50-135	36-149	
Delta-BHC	25.00	24.96	100	50-135	36-149	
Dieldrin	25.00	26.16	105	50-135	36-149	
Endosulfan I	25.00	28.30	113	50-135	36-149	
Endosulfan II	25.00	26.22	105	50-135	36-149	
Endosulfan Sulfate	25.00	26.60	106	50-135	36-149	
Endrin	25.00	26.86	107	50-135	36-149	
Endrin Aldehyde	25.00	24.98	100	50-135	36-149	
Gamma-BHC	25.00	25.30	101	50-135	36-149	
Heptachlor	25.00	26.10	104	50-135	36-149	
Heptachlor Epoxide	25.00	25.42	102	50-135	36-149	
Methoxychlor	25.00	24.70	99	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 16 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2982	LCS	Solid	GC 44	07/16/18	07/17/18 16:24	180716L14
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	25.14	101	50-135	36-149	
Alpha-BHC	25.00	25.24	101	50-135	36-149	
Beta-BHC	25.00	23.65	95	50-135	36-149	
4,4'-DDD	25.00	25.12	100	50-135	36-149	
4,4'-DDE	25.00	24.89	100	50-135	36-149	
4,4'-DDT	25.00	23.43	94	50-135	36-149	
Delta-BHC	25.00	25.56	102	50-135	36-149	
Dieldrin	25.00	25.26	101	50-135	36-149	
Endosulfan I	25.00	25.76	103	50-135	36-149	
Endosulfan II	25.00	25.30	101	50-135	36-149	
Endosulfan Sulfate	25.00	25.76	103	50-135	36-149	
Endrin	25.00	24.60	98	50-135	36-149	
Endrin Aldehyde	25.00	24.96	100	50-135	36-149	
Gamma-BHC	25.00	25.02	100	50-135	36-149	
Heptachlor	25.00	25.74	103	50-135	36-149	
Heptachlor Epoxide	25.00	24.91	100	50-135	36-149	
Methoxychlor	25.00	23.62	94	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8081A

Project: Taft Charter High School

Page 17 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2989	LCS	Solid	GC 44	07/20/18	07/23/18 11:21	180720L08
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	25.05	100	50-135	36-149	
Alpha-BHC	25.00	25.50	102	50-135	36-149	
Beta-BHC	25.00	23.60	94	50-135	36-149	
4,4'-DDD	25.00	24.10	96	50-135	36-149	
4,4'-DDE	25.00	22.58	90	50-135	36-149	
4,4'-DDT	25.00	24.98	100	50-135	36-149	
Delta-BHC	25.00	25.62	102	50-135	36-149	
Dieldrin	25.00	26.04	104	50-135	36-149	
Endosulfan I	25.00	29.32	117	50-135	36-149	
Endosulfan II	25.00	26.54	106	50-135	36-149	
Endosulfan Sulfate	25.00	26.68	107	50-135	36-149	
Endrin	25.00	26.38	106	50-135	36-149	
Endrin Aldehyde	25.00	25.18	101	50-135	36-149	
Gamma-BHC	25.00	25.04	100	50-135	36-149	
Heptachlor	25.00	26.06	104	50-135	36-149	
Heptachlor Epoxide	25.00	25.44	102	50-135	36-149	
Methoxychlor	25.00	24.76	99	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8081A

Project: Taft Charter High School

Page 18 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-1038	LCS	Aqueous	GC 44	07/13/18	07/17/18 09:38	180713L12
099-12-529-1038	LCSD	Aqueous	GC 44	07/13/18	07/17/18 09:52	180713L12

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.5438	109	0.4951	99	50-135	36-149	9	0-25	
Gamma-BHC	0.5000	0.5481	110	0.5006	100	50-135	36-149	9	0-25	
Beta-BHC	0.5000	0.5073	101	0.4672	93	50-135	36-149	8	0-25	
Heptachlor	0.5000	0.5550	111	0.4668	93	50-135	36-149	17	0-25	
Delta-BHC	0.5000	0.5437	109	0.4951	99	50-135	36-149	9	0-25	
Aldrin	0.5000	0.5357	107	0.4445	89	50-135	36-149	19	0-25	
Heptachlor Epoxide	0.5000	0.5567	111	0.5046	101	50-135	36-149	10	0-25	
Endosulfan I	0.5000	0.5834	117	0.5408	108	50-135	36-149	8	0-25	
Dieldrin	0.5000	0.5702	114	0.5137	103	50-135	36-149	10	0-25	
4,4'-DDE	0.5000	0.5559	111	0.5035	101	50-135	36-149	10	0-25	
Endrin	0.5000	0.5834	117	0.5283	106	50-135	36-149	10	0-25	
Endrin Aldehyde	0.5000	0.5433	109	0.4417	88	50-135	36-149	21	0-25	
4,4'-DDD	0.5000	0.5808	116	0.5454	109	50-135	36-149	6	0-25	
Endosulfan II	0.5000	0.5721	114	0.5335	107	50-135	36-149	7	0-25	
4,4'-DDT	0.5000	0.4878	98	0.5237	105	50-135	36-149	7	0-25	
Endosulfan Sulfate	0.5000	0.5843	117	0.5468	109	50-135	36-149	7	0-25	
Methoxychlor	0.5000	0.5714	114	0.5616	112	50-135	36-149	2	0-25	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3545  
Method: EPA 8082

Project: Taft Charter High School

Page 19 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-535-4759</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 58</b>	<b>07/17/18</b>	<b>07/18/18 16:52</b>	<b>180717L09</b>
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Aroclor-1016		100.0	97.00	97	50-135	
Aroclor-1260		100.0	115.5	116	50-135	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3510C  
Method: EPA 8082

Project: Taft Charter High School

Page 20 of 26

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1414	LCS	Aqueous	GC 66	07/13/18	07/16/18 22:20	180713L12			
099-12-533-1414	LCSD	Aqueous	GC 66	07/13/18	07/16/18 22:38	180713L12			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.180	59	2.030	102	50-135	53	0-25	X
Aroclor-1260	2.000	1.030	52	1.790	90	50-135	54	0-25	X

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 21 of 26

Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-001-26442	LCS	Aqueous		GC/MS Z	07/16/18	07/16/18 15:20	180716L033			
099-14-001-26442	LCSD	Aqueous		GC/MS Z	07/16/18	07/16/18 15:49	180716L033			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,1,2-Tetrachloroethane	50.00	57.43	115	59.37	119	80-129	72-137	3	0-20	
1,1,1-Trichloroethane	50.00	57.74	115	58.60	117	76-124	68-132	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	47.46	95	49.95	100	74-122	66-130	5	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	60.32	121	57.66	115	54-150	38-166	5	0-30	
1,1,2-Trichloroethane	50.00	48.41	97	50.32	101	80-120	73-127	4	0-20	
1,1-Dichloroethane	50.00	41.98	84	43.57	87	72-126	63-135	4	0-20	
1,1-Dichloroethene	50.00	50.09	100	52.41	105	66-132	55-143	5	0-20	
1,1-Dichloropropene	50.00	53.17	106	51.90	104	75-123	67-131	2	0-20	
1,2,3-Trichlorobenzene	50.00	54.22	108	53.77	108	72-132	62-142	1	0-20	
1,2,3-Trichloropropane	50.00	50.23	100	54.06	108	75-123	67-131	7	0-20	
1,2,4-Trichlorobenzene	50.00	57.36	115	56.66	113	74-134	64-144	1	0-20	
1,2,4-Trimethylbenzene	50.00	56.15	112	55.72	111	74-128	65-137	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	54.33	109	56.62	113	66-126	56-136	4	0-20	
1,2-Dibromoethane	50.00	53.11	106	55.50	111	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	50.00	51.38	103	52.33	105	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	56.80	114	57.89	116	76-120	69-127	2	0-20	
1,2-Dichloropropane	50.00	45.82	92	46.53	93	80-120	73-127	2	0-20	
1,3,5-Trimethylbenzene	50.00	56.61	113	57.37	115	77-131	68-140	1	0-20	
1,3-Dichlorobenzene	50.00	51.89	104	51.68	103	80-120	73-127	0	0-20	
1,3-Dichloropropane	50.00	49.45	99	51.51	103	80-120	73-127	4	0-20	
1,4-Dichlorobenzene	50.00	49.48	99	49.86	100	80-120	73-127	1	0-20	
2,2-Dichloropropane	50.00	73.11	146	71.83	144	50-150	33-167	2	0-20	
2-Butanone	50.00	37.33	75	40.13	80	60-126	49-137	7	0-20	
2-Chlorotoluene	50.00	54.95	110	55.81	112	80-121	73-128	2	0-20	
2-Hexanone	50.00	38.40	77	42.44	85	63-123	53-133	10	0-20	
4-Chlorotoluene	50.00	55.13	110	54.78	110	80-120	73-127	1	0-20	
4-Methyl-2-Pentanone	50.00	41.61	83	42.66	85	65-125	55-135	3	0-20	
Acetone	50.00	38.93	78	41.54	83	53-137	39-151	7	0-21	
Benzene	50.00	46.59	93	48.43	97	79-121	72-128	4	0-20	
Bromobenzene	50.00	51.54	103	53.01	106	80-120	73-127	3	0-20	
Bromochloromethane	50.00	52.91	106	53.04	106	80-122	73-129	0	0-20	
Bromodichloromethane	50.00	55.56	111	56.60	113	80-124	73-131	2	0-20	
Bromoform	50.00	56.72	113	58.45	117	73-127	64-136	3	0-20	
Bromomethane	50.00	53.58	107	48.76	98	50-150	33-167	9	0-26	
Carbon Disulfide	50.00	44.14	88	44.68	89	50-150	33-167	1	0-22	
Carbon Tetrachloride	50.00	62.53	125	62.88	126	65-143	52-156	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 22 of 26

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Chlorobenzene	50.00	48.34	97	50.68	101	80-120	73-127	5	0-20	
Chloroethane	50.00	53.46	107	57.19	114	62-128	51-139	7	0-20	
Chloroform	50.00	53.55	107	54.90	110	80-120	73-127	2	0-20	
Chloromethane	50.00	36.50	73	37.63	75	43-133	28-148	3	0-20	
Dibromochloromethane	50.00	53.85	108	56.89	114	80-123	73-130	6	0-20	
Dibromomethane	50.00	49.18	98	50.64	101	80-120	73-127	3	0-20	
Dichlorodifluoromethane	50.00	68.10	136	68.00	136	50-150	33-167	0	0-30	
Ethylbenzene	50.00	51.00	102	52.99	106	80-120	73-127	4	0-20	
Isopropylbenzene	50.00	56.12	112	57.11	114	80-128	72-136	2	0-20	
Methylene Chloride	50.00	46.58	93	48.63	97	61-133	49-145	4	0-27	
Naphthalene	50.00	49.30	99	51.30	103	69-129	59-139	4	0-20	
Styrene	50.00	53.23	106	55.14	110	80-126	72-134	4	0-20	
Tetrachloroethene	50.00	43.51	87	45.27	91	55-139	41-153	4	0-23	
Toluene	50.00	47.99	96	49.22	98	80-120	73-127	3	0-20	
t-1,2-Dichloroethene	50.00	46.61	93	48.63	97	66-132	55-143	4	0-20	
Trichloroethene	50.00	49.64	99	49.01	98	79-121	72-128	1	0-20	
Trichlorofluoromethane	50.00	64.68	129	64.52	129	72-132	62-142	0	0-20	
Vinyl Acetate	50.00	46.16	92	46.83	94	50-150	33-167	1	0-20	
Vinyl Chloride	50.00	48.53	97	49.46	99	63-129	52-140	2	0-20	
c-1,3-Dichloropropene	50.00	54.58	109	57.62	115	77-131	68-140	5	0-20	
c-1,2-Dichloroethene	50.00	48.85	98	50.13	100	78-120	71-127	3	0-20	
n-Butylbenzene	50.00	55.58	111	54.01	108	72-138	61-149	3	0-20	
n-Propylbenzene	50.00	54.29	109	54.89	110	80-128	72-136	1	0-20	
o-Xylene	50.00	52.93	106	55.04	110	80-128	72-136	4	0-20	
p-Isopropyltoluene	50.00	55.02	110	54.75	109	73-133	63-143	0	0-20	
sec-Butylbenzene	50.00	55.18	110	55.06	110	77-131	68-140	0	0-20	
t-1,3-Dichloropropene	50.00	52.26	105	55.31	111	76-136	66-146	6	0-20	
tert-Butylbenzene	50.00	51.51	103	54.05	108	80-125	72-132	5	0-20	
p/m-Xylene	100.0	107.2	107	110.0	110	80-122	73-129	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	46.82	94	47.76	96	69-123	60-132	2	0-20	
Cyclohexanone	250.0	255.5	102	224.6	90	50-150	33-167	13	0-30	
2-Methyl-2-Butanol (TAA)	250.0	214.8	86	238.6	95	50-150	33-167	11	0-21	
Diethyl Ether	50.00	47.12	94	47.64	95	71-125	62-134	1	0-22	
1,4-Dioxane	500.0	438.3	88	456.3	91	80-150	68-162	4	0-20	
Tert-Butyl Alcohol (TBA)	250.0	241.2	96	236.8	95	80-124	73-131	2	0-20	
Diisopropyl Ether (DIPE)	50.00	42.76	86	43.07	86	79-121	72-128	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.66	89	45.92	92	71-125	62-134	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.46	101	52.86	106	70-124	61-133	5	0-20	
Ethanol	500.0	382.8	77	381.3	76	53-149	37-165	0	0-24	

RPD: Relative Percent Difference. CL: Control Limits

**Quality Control - LCS/LCSD**

---

EFI Global Inc.	Date Received:	07/12/18
5261 West Imperial Highway	Work Order:	18-07-0811
Los Angeles, CA 90045-6231	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Taft Charter High School		Page 23 of 26

---

Total number of LCS compounds: 75

Total number of ME compounds: 0

Total number of ME compounds allowed: 4

LCS ME CL validation result: Pass

  
Return to Contents



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 24 of 26

Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-001-26441	LCS	Aqueous		GC/MS Z	07/17/18	07/17/18 15:11	180717L021			
099-14-001-26441	LCSD	Aqueous		GC/MS Z	07/17/18	07/17/18 15:40	180717L021			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,1,2-Tetrachloroethane	50.00	56.57	113	56.56	113	80-129	72-137	0	0-20	
1,1,1-Trichloroethane	50.00	54.18	108	56.53	113	76-124	68-132	4	0-20	
1,1,2,2-Tetrachloroethane	50.00	47.21	94	48.99	98	74-122	66-130	4	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	63.77	128	61.44	123	54-150	38-166	4	0-30	
1,1,2-Trichloroethane	50.00	50.44	101	49.33	99	80-120	73-127	2	0-20	
1,1-Dichloroethane	50.00	42.34	85	43.47	87	72-126	63-135	3	0-20	
1,1-Dichloroethene	50.00	50.68	101	53.48	107	66-132	55-143	5	0-20	
1,1-Dichloropropene	50.00	51.81	104	53.37	107	75-123	67-131	3	0-20	
1,2,3-Trichlorobenzene	50.00	54.40	109	52.86	106	72-132	62-142	3	0-20	
1,2,3-Trichloropropane	50.00	49.56	99	51.22	102	75-123	67-131	3	0-20	
1,2,4-Trichlorobenzene	50.00	56.93	114	55.15	110	74-134	64-144	3	0-20	
1,2,4-Trimethylbenzene	50.00	54.88	110	54.73	109	74-128	65-137	0	0-20	
1,2-Dibromo-3-Chloropropane	50.00	50.81	102	50.83	102	66-126	56-136	0	0-20	
1,2-Dibromoethane	50.00	54.02	108	54.32	109	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	51.41	103	52.41	105	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	57.57	115	57.04	114	76-120	69-127	1	0-20	
1,2-Dichloropropane	50.00	46.14	92	47.37	95	80-120	73-127	3	0-20	
1,3,5-Trimethylbenzene	50.00	57.37	115	56.77	114	77-131	68-140	1	0-20	
1,3-Dichlorobenzene	50.00	52.04	104	52.13	104	80-120	73-127	0	0-20	
1,3-Dichloropropane	50.00	50.37	101	50.73	101	80-120	73-127	1	0-20	
1,4-Dichlorobenzene	50.00	49.27	99	50.03	100	80-120	73-127	2	0-20	
2,2-Dichloropropane	50.00	66.64	133	67.53	135	50-150	33-167	1	0-20	
2-Butanone	50.00	39.45	79	40.60	81	60-126	49-137	3	0-20	
2-Chlorotoluene	50.00	55.38	111	54.76	110	80-121	73-128	1	0-20	
2-Hexanone	50.00	39.92	80	39.86	80	63-123	53-133	0	0-20	
4-Chlorotoluene	50.00	53.27	107	53.23	106	80-120	73-127	0	0-20	
4-Methyl-2-Pentanone	50.00	42.24	84	43.90	88	65-125	55-135	4	0-20	
Acetone	50.00	43.35	87	41.15	82	53-137	39-151	5	0-21	
Benzene	50.00	47.70	95	49.13	98	79-121	72-128	3	0-20	
Bromobenzene	50.00	53.27	107	51.96	104	80-120	73-127	2	0-20	
Bromochloromethane	50.00	53.03	106	54.12	108	80-122	73-129	2	0-20	
Bromodichloromethane	50.00	55.58	111	56.14	112	80-124	73-131	1	0-20	
Bromoform	50.00	54.24	108	56.69	113	73-127	64-136	4	0-20	
Bromomethane	50.00	51.44	103	51.47	103	50-150	33-167	0	0-26	
Carbon Disulfide	50.00	43.23	86	44.63	89	50-150	33-167	3	0-22	
Carbon Tetrachloride	50.00	59.24	118	61.40	123	65-143	52-156	4	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: Taft Charter High School

Page 25 of 26

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Chlorobenzene	50.00	49.79	100	49.28	99	80-120	73-127	1	0-20	
Chloroethane	50.00	56.29	113	60.25	121	62-128	51-139	7	0-20	
Chloroform	50.00	52.59	105	54.92	110	80-120	73-127	4	0-20	
Chloromethane	50.00	37.24	74	40.31	81	43-133	28-148	8	0-20	
Dibromochloromethane	50.00	53.90	108	53.26	107	80-123	73-130	1	0-20	
Dibromomethane	50.00	50.72	101	51.68	103	80-120	73-127	2	0-20	
Dichlorodifluoromethane	50.00	71.90	144	72.45	145	50-150	33-167	1	0-30	
Ethylbenzene	50.00	51.61	103	51.96	104	80-120	73-127	1	0-20	
Isopropylbenzene	50.00	57.07	114	56.16	112	80-128	72-136	2	0-20	
Methylene Chloride	50.00	48.11	96	48.73	97	61-133	49-145	1	0-27	
Naphthalene	50.00	48.40	97	49.47	99	69-129	59-139	2	0-20	
Styrene	50.00	53.89	108	54.00	108	80-126	72-134	0	0-20	
Tetrachloroethene	50.00	45.93	92	45.13	90	55-139	41-153	2	0-23	
Toluene	50.00	49.28	99	50.01	100	80-120	73-127	1	0-20	
t-1,2-Dichloroethene	50.00	46.93	94	49.13	98	66-132	55-143	5	0-20	
Trichloroethene	50.00	49.73	99	50.49	101	79-121	72-128	2	0-20	
Trichlorofluoromethane	50.00	66.46	133	66.48	133	72-132	62-142	0	0-20	ME
Vinyl Acetate	50.00	46.25	92	46.96	94	50-150	33-167	2	0-20	
Vinyl Chloride	50.00	50.42	101	54.36	109	63-129	52-140	8	0-20	
c-1,3-Dichloropropene	50.00	55.15	110	55.81	112	77-131	68-140	1	0-20	
c-1,2-Dichloroethene	50.00	47.48	95	50.30	101	78-120	71-127	6	0-20	
n-Butylbenzene	50.00	54.15	108	52.80	106	72-138	61-149	3	0-20	
n-Propylbenzene	50.00	55.18	110	53.52	107	80-128	72-136	3	0-20	
o-Xylene	50.00	53.41	107	53.06	106	80-128	72-136	1	0-20	
p-Isopropyltoluene	50.00	54.30	109	53.17	106	73-133	63-143	2	0-20	
sec-Butylbenzene	50.00	54.20	108	54.50	109	77-131	68-140	1	0-20	
t-1,3-Dichloropropene	50.00	51.17	102	51.02	102	76-136	66-146	0	0-20	
tert-Butylbenzene	50.00	52.88	106	54.18	108	80-125	72-132	2	0-20	
p/m-Xylene	100.0	109.5	110	108.0	108	80-122	73-129	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	44.25	88	45.91	92	69-123	60-132	4	0-20	
Cyclohexanone	250.0	241.0	96	226.9	91	50-150	33-167	6	0-30	
2-Methyl-2-Butanol (TAA)	250.0	209.2	84	227.6	91	50-150	33-167	8	0-21	
Diethyl Ether	50.00	47.96	96	48.24	96	71-125	62-134	1	0-22	
1,4-Dioxane	500.0	453.2	91	467.5	94	80-150	68-162	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	245.9	98	241.1	96	80-124	73-131	2	0-20	
Diisopropyl Ether (DIPE)	50.00	42.87	86	43.94	88	79-121	72-128	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	42.56	85	44.34	89	71-125	62-134	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.11	98	50.31	101	70-124	61-133	2	0-20	
Ethanol	500.0	448.3	90	445.6	89	53-149	37-165	1	0-24	

RPD: Relative Percent Difference. CL: Control Limits

**Quality Control - LCS/LCSD**

---

EFI Global Inc.	Date Received:	07/12/18
5261 West Imperial Highway	Work Order:	18-07-0811
Los Angeles, CA 90045-6231	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: Taft Charter High School		Page 26 of 26

---

Total number of LCS compounds: 75

Total number of ME compounds: 1

Total number of ME compounds allowed: 4

LCS ME CL validation result: Pass

  
Return to Contents



Calscience

## Sample Analysis Summary Report

Work Order: 18-07-0811

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3010A Total	1080	ICP 8300	1
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 6020	EPA 3020A Total	598	ICP/MS 05	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7470A	EPA 7470A Total	868	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1
EPA 8015B (M)	EPA 3510C	682	GC 50	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8081A	EPA 3510C	669	GC 44	1
EPA 8082	EPA 3545	1028	GC 58	1
EPA 8082	EPA 3510C	669	GC 66	1
EPA 8260B	EPA 5030C	849	GC/MS Z	2

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-07-0811

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCs (8081)	T22 Metals (601)	Arsenic (6020)	PCBs(8082)								Hold	Acetate Liner	Plastic Bag	VOAs (by EPA	Summa Cannist	Tedlar Bag	Normal / Stand	72 Hour	48 Hours	24 Hours
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																					
1	B21-0.5					X						07/11/18	7:31	X	X	X	X														X			
2	B21-0.5 DUP					X						07/11/18	7:31	X	X	X															X			
3	B21-1.5					X						07/11/18	7:32																					
4	B21-3					X						07/11/18	7:33																					
5	B22-0.5					X						07/11/18	7:41	X	X	X															X			
6	B22-0.5 DUP					X						07/11/18	7:41	X	X	X															X			
7	B22-1.5					X						07/11/18	7:42																					
8	B22-3					X						07/11/18	7:43																					
9	B23-0.5					X						07/11/18	7:51	X	X	X															X			
10	B23-0.5 DUP					X						07/11/18	7:51	X	X	X															X			
11	B23-1.5					X						07/11/18	7:52																					
12	B23-3					X						07/11/18	7:53																					
13	B24-0.5					X						07/11/18	8:05	X	X	X															X			
14	B24-0.5 DUP					X						07/11/18	8:05	X	X	X															X			
15	B24-1.5					X						07/11/18	8:06																					
16	B24-3					X						07/11/18	8:07																					
17	B25-0.5					x						07/11/18	8:40	X	X	X															X			
18	B25-0.5 DUP					x						07/11/18	8:40	X	X	X															X			
19	B25-1.5					x						07/11/18	8:42																					
20	B25-3					x						07/11/18	8:43																					

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/11/18	1630	Steve Nowak	7/12/18	1600	Sample condition (circle): Chilled Intact

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		OCps (8081)	T22 Metals (601)	Arsenic (6020)	PCBs(8082)									Hold	Acetate Liner	Plastic Bag	VOAs (by EPA	Summa Cannist	Tedlar Bag	Normal / Stand	72 Hour	48 Hours	24 Hours
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time																						
1	B26-0.5	21				X						07/11/18	8:50	X	X	X	X																			
2	B26-0.5 DUP	22				X						07/11/18	8:50	X	X	X																				
3	B26-1.5	23				X						07/11/18	8:52												X											
4	B26-3	24				X						07/11/18	8:54												X											
5	B27-0.5	25				X						07/11/18	9:25	X	X	X																				
6	B27-1.5	26				X						07/11/18	9:27												X											
7	B27-3	27				X						07/11/18	9:29												X											
8	B28-0.5	28				X						07/11/18	9:45	X	X	X																				
9	B28-1.5	29				X						07/11/18	9:47												X											
10	B28-3	30				X						07/11/18	9:49												X											
11	B29-0.5	31				X						07/11/18	10:00	X	X	X																				
12	B29-1.5	32				X						07/11/18	10:02												X											
13	B29-3	33				X						07/11/18	10:04												X											
14	B30-0.5	34				X						07/11/18	10:16	X	X	X																				
15	B30-1.5	35				X						07/11/18	10:18												X											
16	B30-3	36				X						07/11/18	10:20												X											
17	B31-0.5	37				X						07/11/18	10:41	X	X	X																				
18	B31-0.5 DUP	38				X						07/11/18	10:41	X	X	X																				
19	B31-1.5	39				X						07/11/18	10:43												X											
20	B31-3	40				X						07/11/18	10:45												X											

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/12/18	1158	Steve Nowak	7/12/18	1150	Sample condition (circle): Chilled Intact
	7/12/18	1630		7/12/18	1630	

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		OCPs (8081)	T22 Metals (601)	Arsenic (6020)	PCBs(8082)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</
--------	-----------	--------	------	--	--------	--	--	--	--------------	--	--	--	----------------------	--	-------------	------------------	----------------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Relinquished by	Date	Time	Received by	Date	Time	Remarks
<i>Desi Salgado</i>	7/12/18	1630	<i>Steve Nowak</i>	7/12/18	1630	Sample condition (circle): Chilled Intact

081

# Chain-of-Custody Record

EFI\_071118-4

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (6010)	Arsenic (6020)	PCBs(8082)								Hold	Acetate Liner	Plastic Bag	VOAs (by EPA 5)	Summa Cannister	Tedlar Bag	Normal / Standard	72 Hour	48 Hours	24 Hours	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																						Time
1	B37-3	61				X							07/11/18	12:15																					
2	B38-0.5	62				X							07/11/18	12:24	X	X	X	X													X				
3	B38-1.5	63				X							07/11/18	12:26																					
4	B38-3	64				X							07/11/18	12:28																					
5	B39-0.5	65				X							07/11/18	12:40	X	X	X															X			
6	B39-0.5 DUP	66				X							07/11/18	12:40	X	X	X														X				
7	B39-1.5	67				X							07/11/18	12:42											X										
8	B39-3	68				X							07/11/18	12:44										X											
9	B40-0.5	69				X							07/11/18	12:50	X	X	X														X				
10	B40-1.5	70				X							07/11/18	12:52	X	X	X														X				
11	B40-3	71				X							07/11/18	12:54										X											
12	B41-0.5	72				X							07/11/18	13:00	X	X	X														X				
13	B41-1.5	73				X							07/11/18	13:02	X	X	X														X				
14	B41-3	74				X							07/11/18	13:04										X											
15	B42-0.5	75				X							07/11/18	13:46	X	X	X														X				
16	B42-1.5	76				X							07/11/18	13:48										X											
17	B42-3	77				X							07/11/18	13:50										X											
18	B43-0.5	78				X							07/11/18	14:00	X	X	X														X				
19	B43-1.5	79				X							07/11/18	14:02										X											
20	B43-3	80				X							07/11/18	14:04										X											

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/12/18	1450	Steve Nowak	7/12/18	1450	Sample condition (circle): Chilled Intact
	7/12/18	1630		7/12/18	1630	

0811

# Chain-of-Custody Record

EFI\_071118-5

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (6010)	Arsenic (6020)									Hold	Acetate Liner	Plastic Bag	VOAs (by EPA 5035)	Summa Cannister	Tedlar Bag	Normal / Standard	72 Hour	48 Hours	24 Hours		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																						Time	
1	B44-0.5	81				X						07/11/18	14:10	X	X	X																				
2	B44-1.5	82				X						07/11/18	14:12												X											
3	B44-3	83				X						07/11/18	14:14												X											
4	B45-0.5	84				X						07/11/18	14:16	X	X	X																				
5	B45-0.5 DUP	85				X						07/11/18	14:16	X	X	X																				
6	B45-1.5	86				X						07/11/18	14:18												X											
7	B45-3	87				X						07/11/18	14:20												X											
8	B46-0.5	88				X						07/11/18	14:32	X	X	X																				
9	B46-1.5	89				X						07/11/18	14:34												X											
10	B46-3	90				X						07/11/18	14:36												X											
11	B47-0.5	91				X						07/11/18	14:46	X	X	X																				
12	B47-0.5 DUP	92				X						07/11/18	14:46	X	X	X																				
13	B47-1.5	93				X						07/11/18	14:48												X											
14	B47-3	94				X						07/11/18	14:50												X											
15	B48-0.5	95				X						07/11/18	14:56	X	X	X																				
16	B48-1.5	96				X						07/11/18	14:58												X											
17	B48-3	97				X						07/11/18	15:00												X											
18	B49-0.5	98				X						07/11/18	15:04	X	X	X																				
19	B49-1.5	99				X						07/11/18	15:06												X											
20	B49-3	100				X						07/11/18	15:08												X											

Relinquished by	Date	Time	Received by	Date	Time	Remarks
<i>[Signature]</i>	7/12/18	1630	<i>[Signature]</i>	7/12/18	1630	Sample condition (circle): Chilled Intact

# Chain-of-Custody Record

EFI\_071118-16

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		OCFs (8081)	T22 Metals (6010)	Arsenic (6020)	VOCs (8260)	PCBs(8082)	TPHcc(8015)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
--------	-----------	--------	------	--	--------	--	--	--	--------------	--	--	--	----------------------	--	-------------	-------------------	----------------	-------------	------------	-------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2CLIENT: EPI GLOBALDATE: 07 / 1 / 2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.5 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: ES

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: ESSample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1013

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... Yes ☒ No ☐ N/A ☐COC document(s) received complete ..... Yes ☒ No ☒ N/A ☐☐ Sampling date ☐ Sampling time ☐ Matrix ☒ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... Yes ☒ No ☐ N/A ☐Sample container label(s) consistent with COC ..... Yes ☐ No ☒ N/A ☐Sample container(s) intact and in good condition ..... Yes ☒ No ☐ N/A ☐Proper containers for analyses requested ..... Yes ☒ No ☐ N/A ☐Sufficient volume/mass for analyses requested ..... Yes ☒ No ☐ N/A ☐Samples received within holding time ..... Yes ☒ No ☐ N/A ☐

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... Yes ☐ No ☐ N/A ☒Proper preservation chemical(s) noted on COC and/or sample container ..... Yes ☒ No ☐ N/A ☐

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... Yes ☒ No ☐ N/A ☐Container(s) for certain analysis free of headspace ..... Yes ☒ No ☐ N/A ☐☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... Yes ☐ No ☐ N/A ☒

## CONTAINER TYPE:

(Trip Blank Lot Number: 180709B)Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PB<sub>h</sub> (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB☒ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1013s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 718

# SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: EPI GLOBAL

DATE: 07/12/2018
**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.3 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 803
**CUSTODY SEAL:**

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 803

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1013
**SAMPLE CONDITION:**

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/A

COC document(s) received complete ..... ☒ Yes ☐ No ☐ N/A

☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers

☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time

Sampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/A

Sample container label(s) consistent with COC ..... ☒ Yes ☐ No ☐ N/A

Sample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/A

Proper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/A

Sufficient volume/mass for analyses requested ..... ☒ Yes ☐ No ☐ N/A

Samples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/A

Proper preservation chemical(s) noted on COC and/or sample container ..... ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals

Acid/base preserved samples - pH within acceptable range ..... ☒ Yes ☐ No ☒ N/A

Container(s) for certain analysis free of headspace ..... ☐ Yes ☐ No ☒ N/A

☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)

☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

**CONTAINER TYPE:**

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (P) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1013

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>·H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: TU

## SAMPLE ANOMALY REPORT

DATE: **07/12/2018**

### SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☒ Client sample ID
    - ☐ Sampling date and/or time
    - ☐ Number of container(s)
    - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

### MISCELLANEOUS: (Describe)

### HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

Comments: \_\_\_\_\_

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

### Comments

*ECI labeled as  
B34 - 0.5 Dup.  
7/11/18 @ 1115*

### Comments

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Reported by: *TD*  
Reviewed by: *826*



## Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-07-0811

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** Taft Charter High School

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 08/08/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: Taft Charter High School  
 Work Order Number: 18-07-0811

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	8
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	8
	4.2 EPA 6010B STLC ICP Metals (Aqueous). . . . .	11
	4.3 EPA 6020 ICP/MS Metals (Solid). . . . .	12
	4.4 EPA 7471A Mercury (Solid). . . . .	13
5	Quality Control Sample Data. . . . .	14
	5.1 MS/MSD. . . . .	14
	5.2 PDS/PDSD. . . . .	18
	5.3 LCS/LCSD. . . . .	19
6	Sample Analysis Summary. . . . .	23
7	Glossary of Terms and Qualifiers. . . . .	24
8	Chain-of-Custody/Sample Receipt Form. . . . .	25

**Work Order Narrative**

Work Order: 18-07-0811

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/12/18. They were assigned to Work Order 18-07-0811.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

---

Client: EFI Global Inc.	Work Order: 18-07-0811
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 07/12/18 16:30
	Number of Containers: 109

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B24-1.5	18-07-0811-15	07/11/18 08:06	1	Solid
B34-1.5	18-07-0811-49	07/11/18 11:17	1	Solid
B37-0.5	18-07-0811-58	07/11/18 12:11	1	Solid
B37-1.5	18-07-0811-60	07/11/18 12:13	1	Solid
B43-1.5	18-07-0811-79	07/11/18 14:02	1	Solid
B49-1.5	18-07-0811-99	07/11/18 15:06	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 1 of 3

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B24-1.5 (18-07-0811-15)						
Barium	157		0.518	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.467		0.259	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.87		0.518	mg/kg	EPA 6010B	EPA 3050B
Chromium	17.0		0.259	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.21		0.259	mg/kg	EPA 6010B	EPA 3050B
Copper	24.2		0.518	mg/kg	EPA 6010B	EPA 3050B
Lead	5.19		0.518	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.05		0.259	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.4		0.259	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.04		0.777	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.0		0.259	mg/kg	EPA 6010B	EPA 3050B
Zinc	58.2		1.04	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.89		1.00	mg/kg	EPA 6020	EPA 3050B
B34-1.5 (18-07-0811-49)						
Barium	63.2		0.510	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.436		0.255	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.62		0.510	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.2		0.255	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.09		0.255	mg/kg	EPA 6010B	EPA 3050B
Copper	29.2		0.510	mg/kg	EPA 6010B	EPA 3050B
Lead	3.29		0.510	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.37		0.255	mg/kg	EPA 6010B	EPA 3050B
Nickel	27.1		0.255	mg/kg	EPA 6010B	EPA 3050B
Selenium	5.12		0.765	mg/kg	EPA 6010B	EPA 3050B
Vanadium	34.4		0.255	mg/kg	EPA 6010B	EPA 3050B
Zinc	87.9		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.7		1.00	mg/kg	EPA 6020	EPA 3050B
B37-0.5 (18-07-0811-58)						
Lead	0.905		0.100	mg/L	EPA 6010B	T22.11.5. All

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 2 of 3

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B37-1.5 (18-07-0811-60)						
Barium	149		0.513	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.953		0.256	mg/kg	EPA 6010B	EPA 3050B
Cadmium	3.23		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.3		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	18.2		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	48.5		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	156		0.513	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.51		0.256	mg/kg	EPA 6010B	EPA 3050B
Nickel	87.1		0.256	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.21		0.769	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.1		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	802		1.03	mg/kg	EPA 6010B	EPA 3050B
Arsenic	17.0		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.296		0.0806	mg/kg	EPA 7471A	EPA 7471A Total
B43-1.5 (18-07-0811-79)						
Barium	137		0.476	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.426		0.238	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.56		0.476	mg/kg	EPA 6010B	EPA 3050B
Chromium	17.9		0.238	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.12		0.238	mg/kg	EPA 6010B	EPA 3050B
Copper	28.9		0.476	mg/kg	EPA 6010B	EPA 3050B
Lead	34.7		0.476	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.64		0.238	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.2		0.238	mg/kg	EPA 6010B	EPA 3050B
Thallium	0.787		0.714	mg/kg	EPA 6010B	EPA 3050B
Vanadium	28.4		0.238	mg/kg	EPA 6010B	EPA 3050B
Zinc	127		0.952	mg/kg	EPA 6010B	EPA 3050B
Arsenic	12.2		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 3 of 3

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B49-1.5 (18-07-0811-99)						
Barium	84.9		0.510	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.776		0.510	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.8		0.255	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.39		0.255	mg/kg	EPA 6010B	EPA 3050B
Copper	30.6		0.510	mg/kg	EPA 6010B	EPA 3050B
Lead	2.60		0.510	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	12.0		0.255	mg/kg	EPA 6010B	EPA 3050B
Nickel	11.9		0.255	mg/kg	EPA 6010B	EPA 3050B
Selenium	12.9		0.765	mg/kg	EPA 6010B	EPA 3050B
Vanadium	23.6		0.255	mg/kg	EPA 6010B	EPA 3050B
Zinc	62.7		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.75		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.121		0.0862	mg/kg	EPA 7471A	EPA 7471A Total

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B24-1.5</b>	<b>18-07-0811-15-A</b>	<b>07/11/18 08:06</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/02/18 20:27</b>	<b>180728L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.777	1.04	
Barium	157	0.518	1.04	
Beryllium	0.467	0.259	1.04	
Cadmium	1.87	0.518	1.04	
Chromium	17.0	0.259	1.04	
Cobalt	7.21	0.259	1.04	
Copper	24.2	0.518	1.04	
Lead	5.19	0.518	1.04	
Molybdenum	5.05	0.259	1.04	
Nickel	26.4	0.259	1.04	
Selenium	2.04	0.777	1.04	
Silver	ND	0.259	1.04	
Thallium	ND	0.777	1.04	
Vanadium	32.0	0.259	1.04	
Zinc	58.2	1.04	1.04	

<b>B34-1.5</b>	<b>18-07-0811-49-A</b>	<b>07/11/18 11:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/02/18 20:29</b>	<b>180728L03</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.765	1.02	
Barium	63.2	0.510	1.02	
Beryllium	0.436	0.255	1.02	
Cadmium	1.62	0.510	1.02	
Chromium	30.2	0.255	1.02	
Cobalt	8.09	0.255	1.02	
Copper	29.2	0.510	1.02	
Lead	3.29	0.510	1.02	
Molybdenum	5.37	0.255	1.02	
Nickel	27.1	0.255	1.02	
Selenium	5.12	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	34.4	0.255	1.02	
Zinc	87.9	1.02	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-1.5</b>	<b>18-07-0811-60-A</b>	<b>07/11/18 12:13</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/02/18 20:30</b>	<b>180728L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.769	1.03	
Barium	149	0.513	1.03	
Beryllium	0.953	0.256	1.03	
Cadmium	3.23	0.513	1.03	
Chromium	33.3	0.256	1.03	
Cobalt	18.2	0.256	1.03	
Copper	48.5	0.513	1.03	
Lead	156	0.513	1.03	
Molybdenum	3.51	0.256	1.03	
Nickel	87.1	0.256	1.03	
Selenium	2.21	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	33.1	0.256	1.03	
Zinc	802	1.03	1.03	

<b>B43-1.5</b>	<b>18-07-0811-79-A</b>	<b>07/11/18 14:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/02/18 20:30</b>	<b>180728L03</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.714	0.952	
Barium	137	0.476	0.952	
Beryllium	0.426	0.238	0.952	
Cadmium	1.56	0.476	0.952	
Chromium	17.9	0.238	0.952	
Cobalt	7.12	0.238	0.952	
Copper	28.9	0.476	0.952	
Lead	34.7	0.476	0.952	
Molybdenum	4.64	0.238	0.952	
Nickel	22.2	0.238	0.952	
Selenium	ND	0.714	0.952	
Silver	ND	0.238	0.952	
Thallium	0.787	0.714	0.952	
Vanadium	28.4	0.238	0.952	
Zinc	127	0.952	0.952	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49-1.5</b>	<b>18-07-0811-99-A</b>	<b>07/11/18 15:06</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/02/18 20:31</b>	<b>180728L03</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.765	1.02	
Barium	84.9	0.510	1.02	
Beryllium	ND	0.255	1.02	
Cadmium	0.776	0.510	1.02	
Chromium	19.8	0.255	1.02	
Cobalt	5.39	0.255	1.02	
Copper	30.6	0.510	1.02	
Lead	2.60	0.510	1.02	
Molybdenum	12.0	0.255	1.02	
Nickel	11.9	0.255	1.02	
Selenium	12.9	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	23.6	0.255	1.02	
Zinc	62.7	1.02	1.02	

<b>Method Blank</b>	<b>097-01-002-26743</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/06/18 14:36</b>	<b>180728L03</b>
---------------------	-------------------------	------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	ND	0.505	1.01	
Beryllium	ND	0.253	1.01	
Cadmium	ND	0.505	1.01	
Chromium	ND	0.253	1.01	
Cobalt	ND	0.253	1.01	
Copper	ND	0.505	1.01	
Lead	ND	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	ND	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	ND	0.253	1.01	
Zinc	ND	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-0.5</b>	<b>18-07-0811-58-A</b>	<b>07/11/18 12:11</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/26/18</b>	<b>08/03/18 15:28</b>	<b>180728LA5</b>

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	0.905	0.100	1.00	

<b>Method Blank</b>	<b>097-05-006-9669</b>	<b>N/A</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>07/26/18</b>	<b>08/01/18 19:26</b>	<b>180728LA5</b>
---------------------	------------------------	------------	----------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	ND	0.100	1.00	

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B24-1.5</b>	<b>18-07-0811-15-A</b>	<b>07/11/18 08:06</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 17:50</b>	<b>180728L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.89		1.00	1.00		
<b>B34-1.5</b>	<b>18-07-0811-49-A</b>	<b>07/11/18 11:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 17:53</b>	<b>180728L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.7		1.00	1.00		
<b>B37-1.5</b>	<b>18-07-0811-60-A</b>	<b>07/11/18 12:13</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 17:57</b>	<b>180728L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		17.0		1.00	1.00		
<b>B43-1.5</b>	<b>18-07-0811-79-A</b>	<b>07/11/18 14:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 18:00</b>	<b>180728L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		12.2		1.00	1.00		
<b>B49-1.5</b>	<b>18-07-0811-99-A</b>	<b>07/11/18 15:06</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 18:04</b>	<b>180728L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.75		1.00	1.00		
<b>Method Blank</b>	<b>099-15-621-1701</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 17:18</b>	<b>180728L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Arsenic		ND		1.00	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B24-1.5</b>	<b>18-07-0811-15-A</b>	<b>07/11/18 08:06</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:53</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0806	1.00		
<b>B34-1.5</b>	<b>18-07-0811-49-A</b>	<b>07/11/18 11:17</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:56</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0862	1.00		
<b>B37-1.5</b>	<b>18-07-0811-60-A</b>	<b>07/11/18 12:13</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:58</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.296		0.0806	1.00		
<b>B43-1.5</b>	<b>18-07-0811-79-A</b>	<b>07/11/18 14:02</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 16:00</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		
<b>B49-1.5</b>	<b>18-07-0811-99-A</b>	<b>07/11/18 15:06</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 16:03</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.121		0.0862	1.00		
<b>Method Blank</b>	<b>099-16-272-4024</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:17</b>	<b>180731L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B24-1.5	Sample	Solid	ICP 8300	07/28/18	08/02/18 20:27	180728S03				
B24-1.5	Matrix Spike	Solid	ICP 8300	07/28/18	08/02/18 20:28	180728S03				
B24-1.5	Matrix Spike Duplicate	Solid	ICP 8300	07/28/18	08/02/18 20:29	180728S03				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.894	20	5.430	22	50-115	10	0-20	3
Barium	157.2	25.00	231.5	4X	222.5	4X	75-125	4X	0-20	Q
Beryllium	0.4671	25.00	24.86	98	23.92	94	75-125	4	0-20	
Cadmium	1.867	25.00	29.85	112	28.55	107	75-125	4	0-20	
Chromium	17.00	25.00	42.83	103	40.84	95	75-125	5	0-20	
Cobalt	7.208	25.00	30.96	95	30.05	91	75-125	3	0-20	
Copper	24.17	25.00	47.65	94	45.85	87	75-125	4	0-20	
Lead	5.195	25.00	30.81	102	29.27	96	75-125	5	0-20	
Molybdenum	5.047	25.00	23.68	75	22.69	71	75-125	4	0-20	3
Nickel	26.45	25.00	43.55	68	42.26	63	75-125	3	0-20	3
Selenium	2.037	25.00	23.45	86	21.14	76	75-125	10	0-20	
Silver	ND	12.50	12.77	102	12.17	97	75-125	5	0-20	
Thallium	ND	25.00	23.22	93	22.81	91	75-125	2	0-20	
Vanadium	32.02	25.00	55.43	94	53.28	85	75-125	4	0-20	
Zinc	58.24	25.00	83.10	99	78.84	82	75-125	5	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1867-1	Sample	Aqueous	ICP 8300	07/28/18	08/01/18 19:44	180728SA5
18-07-1867-1	Matrix Spike	Aqueous	ICP 8300	07/28/18	08/01/18 19:45	180728SA5
18-07-1867-1	Matrix Spike Duplicate	Aqueous	ICP 8300	07/28/18	08/01/18 19:46	180728SA5

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.349	107	5.318	106	75-125	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B24-1.5	Sample	Solid	ICP/MS 05	07/28/18	08/01/18 17:50	180728S02				
B24-1.5	Matrix Spike	Solid	ICP/MS 05	07/28/18	08/01/18 17:25	180728S02				
B24-1.5	Matrix Spike Duplicate	Solid	ICP/MS 05	07/28/18	08/01/18 17:39	180728S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	5.893	25.00	30.60	99	31.04	101	72-132	1	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18

Work Order: 18-07-0811

Preparation: EPA 7471A Total

Method: EPA 7471A

Project: Taft Charter High School

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-07-1559-1	Sample	Solid	Mercury 08	07/31/18	07/31/18 15:22	180731S02
18-07-1559-1	Matrix Spike	Solid	Mercury 08	07/31/18	07/31/18 15:24	180731S02
18-07-1559-1	Matrix Spike Duplicate	Solid	Mercury 08	07/31/18	07/31/18 15:26	180731S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7756	93	0.7511	90	71-137	3	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B24-1.5	Sample	Solid	ICP/MS 05	07/28/18 00:00	08/01/18 17:50	180728S02	
B24-1.5	PDS	Solid	ICP/MS 05	07/28/18 00:00	08/01/18 17:43	180728S02	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		5.893	25.00	33.02	109	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26743</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>07/28/18</b>	<b>08/02/18 20:06</b>	<b>180728L03</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	23.59	94	80-120	73-127	
Barium	25.00	25.71	103	80-120	73-127	
Beryllium	25.00	24.88	100	80-120	73-127	
Cadmium	25.00	27.90	112	80-120	73-127	
Chromium	25.00	25.65	103	80-120	73-127	
Cobalt	25.00	27.07	108	80-120	73-127	
Copper	25.00	24.75	99	80-120	73-127	
Lead	25.00	24.88	100	80-120	73-127	
Molybdenum	25.00	23.38	94	80-120	73-127	
Nickel	25.00	28.22	113	80-120	73-127	
Selenium	25.00	22.67	91	80-120	73-127	
Silver	12.50	11.43	91	80-120	73-127	
Thallium	25.00	24.12	96	80-120	73-127	
Vanadium	25.00	24.34	97	80-120	73-127	
Zinc	25.00	26.36	105	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-05-006-9669</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>07/26/18</b>	<b>08/01/18 19:27</b>	<b>180728LA5</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	5.000	4.814	96	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1701</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>07/28/18</b>	<b>08/01/18 17:21</b>	<b>180728L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	27.20	109	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4024</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>07/31/18</b>	<b>07/31/18 15:19</b>	<b>180731L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	1.012	121	85-121	

[Return to Contents](#)

## Sample Analysis Summary Report

Work Order: 18-07-0811

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 6010B	T22.11.5. All	1080	ICP 8300	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-07-0811

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, July 26, 2018 12:55 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL\*

Steve,

I'd like to request lead STLC analysis for sample B37-0.5 and the following samples for arsenic by 6020 and Title 22 Metals by 6010B/7471A:

- B2-1.5
- B9-1.5
- B11-1.5
- B24-1.5
- B34-1.5
- B37-1.5
- B41-1.5
- B43-1.5
- B49-1.5

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]

**Sent:** Tuesday, July 24, 2018 4:38 PM

**To:** Salgado, Desi

**Cc:** Lutmer, Christine

**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak

Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (601)	Arsenic (6020)	PCBs(8082)								Hold	Acetate Liner	Plastic Bag	VOAs (by EPA	Summa Cannist	Tedlar Bag	Normal / Stand	72 Hour	48 Hours	24 Hours	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																						Time
1	B21-0.5					X							07/11/18	7:31	X	X	X	X																	X
2	B21-0.5 DUP					X							07/11/18	7:31	X	X	X																	X	
3	B21-1.5					X							07/11/18	7:32																					
4	B21-3					X							07/11/18	7:33																					
5	B22-0.5					X							07/11/18	7:41	X	X	X																	X	
6	B22-0.5 DUP					X							07/11/18	7:41	X	X	X																	X	
7	B22-1.5					X							07/11/18	7:42																					
8	B22-3					X							07/11/18	7:43																					
9	B23-0.5					X							07/11/18	7:51	X	X	X																	X	
10	B23-0.5 DUP					X							07/11/18	7:51	X	X	X																	X	
11	B23-1.5					X							07/11/18	7:52																					
12	B23-3					X							07/11/18	7:53																					
13	B24-0.5					X							07/11/18	8:05	X	X	X																	X	
14	B24-0.5 DUP					X							07/11/18	8:05	X	X	X																	X	
15	B24-1.5					X							07/11/18	8:06																					
16	B24-3					X							07/11/18	8:07																					
17	B25-0.5					x							07/11/18	8:40	X	X	X																	X	
18	B25-0.5 DUP					x							07/11/18	8:40	X	X	X																	X	
19	B25-1.5					x							07/11/18	8:42																					
20	B25-3					x							07/11/18	8:43																					

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/11/18	1630	Steve Nowak	7/12/18	1600	Sample condition (circle): Chilled Intact

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		Method												Container				Turnaround Time			
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time	OCs (8081)	T22 Metals (6010/7471)	Arsenic (6020)	PCBs (8082)																
21	1 B26-0.5	21				X							07/11/18	8:50	X	X	X	X																
22	2 B26-0.5 DUP	22				X							07/11/18	8:50	X	X	X																	
23	3 B26-1.5	23				X							07/11/18	8:52																				
24	4 B26-3	24				X							07/11/18	8:54																				
25	5 B27-0.5	25				X							07/11/18	9:25	X	X	X																	
26	6 B27-1.5	26				X							07/11/18	9:27																				
	7 B27-3	27				X							07/11/18	9:29																				
	8 B28-0.5	28				X							07/11/18	9:45	X	X	X																	
	9 B28-1.5	29				X							07/11/18	9:47																				
	10 B28-3	30				X							07/11/18	9:49																				
	11 B29-0.5	31				X							07/11/18	10:00	X	X	X																	
	12 B29-1.5	32				X							07/11/18	10:02																				
	13 B29-3	33				X							07/11/18	10:04																				
	14 B30-0.5	34				X							07/11/18	10:16	X	X	X																	
	15 B30-1.5	35				X							07/11/18	10:18																				
	16 B30-3	36				X							07/11/18	10:20																				
	17 B31-0.5	37				X							07/11/18	10:41	X	X	X																	
	18 B31-0.5 DUP	38				X							07/11/18	10:41	X	X	X																	
	19 B31-1.5	39				X							07/11/18	10:43																				
	20 B31-3	40				X							07/11/18	10:45																				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/12/18	1158	Steve Nowak	7/12/18	1150	Sample condition (circle): Chilled Intact
	7/12/18	1630		7/12/18	1630	

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		Method				Container				Turnaround Time			
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time	OCPs (8081)	T22 Metals (6010/7471)	Arsenic (6020)	PCBs(8082)								
1	B32-0.5	41				X							07/11/18	10:48	X	X	X	X								
2	B32-01.5	42				X							07/11/18	10:50												
3	B32-3	43				X							07/11/18	10:52												
4	B33-0.5	44				X							07/11/18	11:00	X	X	X									
5	B33-1.5	45				X							07/11/18	11:02												
6	B33-3	46				X							07/11/18	11:04												
7	B34-0.5	47				X							07/11/18	11:15	X	X	X									
8	B34-1.5	48				X							07/11/18	11:15												
9	B34-1.5	49				X							07/11/18	11:17												
10	B34-3	50				X							07/11/18	11:19												
11	B35-0.5	51				X							07/11/18	11:51	X	X	X									
12	B35-0.5 DUP	52				X							07/11/18	11:51	X	X	X									
13	B35-1.5	53				X							07/11/18	11:53												
14	B35-3	54				X							07/11/18	11:55												
15	B36-0.5	55				X							07/11/18	12:00	X	X	X									
16	B36-1.5	56				X							07/11/18	12:02												
17	B36-3	57				X							07/11/18	12:04												
18	B37-0.5	58				X							07/11/18	12:11	X	X	X									
19	B37-0.5 DUP	59				X							07/11/18	12:11	X	X	X									
20	B37-1.5	60				X							07/11/18	12:13												

Relinquished by	Date	Time	Received by	Date	Time	Remarks
<i>Desi Salgado</i>	7/12/18	1630	<i>Steve Nowak</i>	7/12/18	1630	Sample condition (circle): Chilled Intact

081

# Chain-of-Custody Record

EFI\_071118-4

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (6010)	Arsenic (6020)	PCBs(8082)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
--------	-----------	--------	------	--	--------	--	--	--------------	--	--	--	----------------------	--	-------------	-------------------	----------------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/12/18	1450	Steve Nowak	7/12/18	1450	Sample condition (circle): Chilled Intact
	7/12/18	1630		7/12/18	1630	

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	<a href="mailto:desi.salgado@efiglobal.com">desi.salgado@efiglobal.com</a>	

[illegible]

Relinquished by	Date	Time	Received by	Date	Time	Remarks
DEE S. CAF	7/12/18	1150	Jim - ez	7/12/18	1150	Sample condition (circle): Chilled Intact
	7/12/18	1630	MAJ	7/12/18	1630	

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	<a href="mailto:desi.salgado@efiglobal.com">desi.salgado@efiglobal.com</a>	

[illegible][illegible]

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2CLIENT: EPI GLOBALDATE: 07 / 1 / 2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.5 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: ES

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: ESSample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1013

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... Yes ☒ No ☐ N/A ☐COC document(s) received complete ..... Yes ☒ No ☒ N/A ☐☐ Sampling date ☐ Sampling time ☐ Matrix ☒ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... Yes ☒ No ☐ N/A ☐Sample container label(s) consistent with COC ..... Yes ☐ No ☒ N/A ☐Sample container(s) intact and in good condition ..... Yes ☒ No ☐ N/A ☐Proper containers for analyses requested ..... Yes ☒ No ☐ N/A ☐Sufficient volume/mass for analyses requested ..... Yes ☒ No ☐ N/A ☐Samples received within holding time ..... Yes ☒ No ☐ N/A ☐

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... Yes ☐ No ☐ N/A ☒Proper preservation chemical(s) noted on COC and/or sample container ..... Yes ☒ No ☐ N/A ☐

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... Yes ☒ No ☐ N/A ☐Container(s) for certain analysis free of headspace ..... Yes ☒ No ☐ N/A ☐☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... Yes ☐ No ☐ N/A ☒

## CONTAINER TYPE:

(Trip Blank Lot Number: 180709B)Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PB<sub>n</sub> (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB☒ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1013s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>·H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 718

# SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: EPI GLOBAL

DATE: 07/12/2018
**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.3 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 803
**CUSTODY SEAL:**

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 803

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1013
**SAMPLE CONDITION:**

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/A

COC document(s) received complete ..... ☒ Yes ☐ No ☐ N/A

☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers

☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time

Sampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/A

Sample container label(s) consistent with COC ..... ☒ Yes ☐ No ☐ N/A

Sample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/A

Proper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/A

Sufficient volume/mass for analyses requested ..... ☒ Yes ☐ No ☐ N/A

Samples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/A

Proper preservation chemical(s) noted on COC and/or sample container ..... ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals

Acid/base preserved samples - pH within acceptable range ..... ☒ Yes ☐ No ☒ N/A

Container(s) for certain analysis free of headspace ..... ☐ Yes ☐ No ☒ N/A

☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)

☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

**CONTAINER TYPE:**

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (P) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1013

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>·H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: TU

## SAMPLE ANOMALY REPORT

DATE: **07/12/2018**

### SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☒ Client sample ID
    - ☐ Sampling date and/or time
    - ☐ Number of container(s)
    - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

### MISCELLANEOUS: (Describe)

### HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

Comments: \_\_\_\_\_

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

### Comments

*ECI labeled as  
B34 - 0.5 Dup.  
7/11/18 @ 1115*

### Comments

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Reported by: *TD*  
Reviewed by: *826*



## Supplemental Report 2

Additional requested analyses are reported as a stand-alone report.

**WORK ORDER NUMBER: 18-07-0811***The difference is service*

AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For****Client:** EFI Global Inc.**Client Project Name:** Taft Charter High School**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 09/05/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: Taft Charter High School  
 Work Order Number: 18-07-0811

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	6
	4.2 EPA 6010B STLC ICP Metals (Aqueous). . . . .	8
	4.3 EPA 6020 ICP/MS Metals (Solid). . . . .	9
	4.4 EPA 7471A Mercury (Solid). . . . .	10
5	Quality Control Sample Data. . . . .	11
	5.1 MS/MSD. . . . .	11
	5.2 PDS/PDSD. . . . .	18
	5.3 LCS/LCSD. . . . .	21
6	Sample Analysis Summary. . . . .	28
7	Glossary of Terms and Qualifiers. . . . .	29
8	Chain-of-Custody/Sample Receipt Form. . . . .	30

**Work Order Narrative**

Work Order: 18-07-0811

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/12/18. They were assigned to Work Order 18-07-0811.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client: EFI Global Inc.	Work Order: 18-07-0811
5261 West Imperial Highway	Project Name: Taft Charter High School
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 07/12/18 16:30
	Number of Containers: 109

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B37-1.5	18-07-0811-60	07/11/18 12:13	1	Solid
B37-3	18-07-0811-61	07/11/18 12:15	1	Solid
B43-3	18-07-0811-80	07/11/18 14:04	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-07-0811  
Project Name: Taft Charter High School  
Received: 07/12/18

Attn: Desi Salgado

Page 1 of 1

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B37-1.5 (18-07-0811-60)						
Lead	4.74		0.100	mg/L	EPA 6010B	T22.11.5. All
B37-3 (18-07-0811-61)						
Barium	80.0		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.426		0.248	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.1		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.38		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	36.2		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	11.1		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	16.2		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.1		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.99		0.743	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.21		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.1		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	111		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	13.5		1.00	mg/kg	EPA 6020	EPA 3050B
B43-3 (18-07-0811-80)						
Barium	75.2		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.365		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.21		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	9.73		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	4.29		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	24.5		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	9.02		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.03		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Vanadium	15.9		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	51.8		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.33		1.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-3</b>	<b>18-07-0811-61-A</b>	<b>07/11/18 12:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/23/18</b>	<b>08/27/18 15:05</b>	<b>180823L08A</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	80.0	0.495	0.990	
Beryllium	0.426	0.248	0.990	
Cadmium	ND	0.495	0.990	
Chromium	27.1	0.248	0.990	
Cobalt	5.38	0.248	0.990	
Copper	36.2	0.495	0.990	
Lead	11.1	0.495	0.990	
Molybdenum	16.2	0.248	0.990	
Nickel	16.1	0.248	0.990	
Selenium	4.99	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	1.21	0.743	0.990	
Vanadium	41.1	0.248	0.990	
Zinc	111	0.990	0.990	

<b>B43-3</b>	<b>18-07-0811-80-A</b>	<b>07/11/18 14:04</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/27/18</b>	<b>08/30/18 22:43</b>	<b>180827L03</b>
--------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	75.2	0.493	0.985	
Beryllium	0.365	0.246	0.985	
Cadmium	1.21	0.493	0.985	
Chromium	9.73	0.246	0.985	
Cobalt	4.29	0.246	0.985	
Copper	24.5	0.493	0.985	
Lead	9.02	0.493	0.985	
Molybdenum	5.03	0.246	0.985	
Nickel	21.1	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	15.9	0.246	0.985	
Zinc	51.8	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: Taft Charter High School

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26883	N/A	Solid	ICP 8300	08/23/18	08/29/18 10:27	180823L08A

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.728	0.971	
Barium	ND	0.485	0.971	
Beryllium	ND	0.243	0.971	
Cadmium	ND	0.485	0.971	
Chromium	ND	0.243	0.971	
Cobalt	ND	0.243	0.971	
Copper	ND	0.485	0.971	
Lead	ND	0.485	0.971	
Molybdenum	ND	0.243	0.971	
Nickel	ND	0.243	0.971	
Selenium	ND	0.728	0.971	
Silver	ND	0.243	0.971	
Thallium	ND	0.728	0.971	
Vanadium	ND	0.243	0.971	
Zinc	ND	0.971	0.971	

Method Blank	097-01-002-26890	N/A	Solid	ICP 8300	08/27/18	08/30/18 22:19	180827L03
--------------	------------------	-----	-------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Barium	ND	0.493	0.985	
Beryllium	ND	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	ND	0.246	0.985	
Cobalt	ND	0.246	0.985	
Copper	ND	0.493	0.985	
Lead	ND	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	ND	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	ND	0.246	0.985	
Zinc	ND	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-1.5</b>	<b>18-07-0811-60-A</b>	<b>07/11/18 12:13</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 17:45</b>	<b>180824LA1</b>

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	4.74	0.100	1.00	

<b>Method Blank</b>	<b>097-05-006-9699</b>	<b>N/A</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 17:34</b>	<b>180824LA1</b>
---------------------	------------------------	------------	----------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	ND	0.100	1.00	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-3</b>	<b>18-07-0811-61-A</b>	<b>07/11/18 12:15</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/27/18 20:36</b>	<b>180823L04A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		13.5		1.00		1.00	
<b>B43-3</b>	<b>18-07-0811-80-A</b>	<b>07/11/18 14:04</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/27/18</b>	<b>08/29/18 23:02</b>	<b>180827L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		4.33		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1722</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/27/18 16:53</b>	<b>180823L04A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1725</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/27/18</b>	<b>08/29/18 22:27</b>	<b>180827L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: Taft Charter High School

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37-3</b>	<b>18-07-0811-61-A</b>	<b>07/11/18 12:15</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/23/18</b>	<b>08/23/18 17:43</b>	<b>180822L04</b>

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0820	1.00	BU,ET

<b>B43-3</b>	<b>18-07-0811-80-A</b>	<b>07/11/18 14:04</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/27/18</b>	<b>08/27/18 16:29</b>	<b>180827L03</b>
--------------	------------------------	-----------------------	--------------	-------------------	-----------------	-----------------------	------------------

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0862	1.00	BU,ET

<b>Method Blank</b>	<b>099-16-272-4076</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/22/18</b>	<b>08/22/18 18:04</b>	<b>180822L04</b>
---------------------	------------------------	------------	--------------	-------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0833	1.00	

<b>Method Blank</b>	<b>099-16-272-4084</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/27/18</b>	<b>08/27/18 15:51</b>	<b>180827L03</b>
---------------------	------------------------	------------	--------------	-------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0820	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-08-1456-2	Sample	Solid	ICP 8300	08/23/18	08/29/18 10:31	180823S08				
18-08-1456-2	Matrix Spike	Solid	ICP 8300	08/23/18	08/29/18 10:33	180823S08				
18-08-1456-2	Matrix Spike Duplicate	Solid	ICP 8300	08/23/18	08/29/18 10:35	180823S08				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.404	22	6.060	24	50-115	11	0-20	3
Barium	40.85	25.00	66.61	103	67.59	107	75-125	1	0-20	
Beryllium	0.4590	25.00	23.28	91	23.62	93	75-125	1	0-20	
Cadmium	ND	25.00	26.92	108	27.66	111	75-125	3	0-20	
Chromium	ND	25.00	27.33	109	27.72	111	75-125	1	0-20	
Cobalt	0.7061	25.00	26.50	103	27.17	106	75-125	2	0-20	
Copper	15.88	25.00	37.80	88	38.41	90	75-125	2	0-20	
Lead	9.039	25.00	35.49	106	36.37	109	75-125	2	0-20	
Molybdenum	ND	25.00	19.14	77	19.52	78	75-125	2	0-20	
Nickel	2.389	25.00	33.33	124	34.06	127	75-125	2	0-20	3
Selenium	ND	25.00	23.75	95	24.10	96	75-125	1	0-20	
Silver	ND	12.50	11.10	89	11.25	90	75-125	1	0-20	
Thallium	0.9825	25.00	22.55	86	23.48	90	75-125	4	0-20	
Vanadium	2.642	25.00	27.43	99	27.87	101	75-125	2	0-20	
Zinc	13.88	25.00	42.63	115	43.71	119	75-125	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1307-1	Sample	Solid	ICP 8300	08/27/18	08/30/18 22:22	180827S03
18-08-1307-1	Matrix Spike	Solid	ICP 8300	08/27/18	08/30/18 22:23	180827S03
18-08-1307-1	Matrix Spike Duplicate	Solid	ICP 8300	08/27/18	08/30/18 22:25	180827S03

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	8.568	34	9.039	36	50-115	5	0-20	3
Barium	9.806	25.00	41.48	127	38.28	114	75-125	8	0-20	3
Beryllium	ND	25.00	23.19	93	23.74	95	75-125	2	0-20	
Cadmium	ND	25.00	24.40	98	24.96	100	75-125	2	0-20	
Chromium	0.6994	25.00	25.21	98	26.00	101	75-125	3	0-20	
Cobalt	0.2766	25.00	24.29	96	24.90	99	75-125	2	0-20	
Copper	1.048	25.00	25.42	97	26.06	100	75-125	2	0-20	
Lead	2.583	25.00	30.11	110	31.09	114	75-125	3	0-20	
Molybdenum	ND	25.00	24.85	99	25.16	101	75-125	1	0-20	
Nickel	0.5108	25.00	24.42	96	24.93	98	75-125	2	0-20	
Selenium	ND	25.00	19.57	78	19.13	77	75-125	2	0-20	
Silver	ND	12.50	3.328	27	3.212	26	75-125	4	0-20	3
Thallium	ND	25.00	23.90	96	24.21	97	75-125	1	0-20	
Vanadium	2.733	25.00	27.04	97	27.58	99	75-125	2	0-20	
Zinc	3.961	25.00	28.63	99	29.36	102	75-125	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-0436-2	Sample	Concrete	ICP 8300	08/22/18	08/28/18 17:39	180824SA1
18-08-0436-2	Matrix Spike	Concrete	ICP 8300	08/22/18	08/28/18 17:40	180824SA1
18-08-0436-2	Matrix Spike Duplicate	Concrete	ICP 8300	08/22/18	08/28/18 17:42	180824SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.483	110	5.558	111	75-125	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1169-10	Sample	Sediment	ICP/MS 05	08/23/18	08/27/18 17:18	180823S04
18-08-1169-10	Matrix Spike	Sediment	ICP/MS 05	08/23/18	08/27/18 17:04	180823S04
18-08-1169-10	Matrix Spike Duplicate	Sediment	ICP/MS 05	08/23/18	08/27/18 17:07	180823S04

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	3.541	25.00	31.78	113	32.53	116	80-120	2	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1885-1	Sample	Solid	ICP/MS 05	08/27/18	08/29/18 22:59	180827S02
18-08-1885-1	Matrix Spike	Solid	ICP/MS 05	08/27/18	08/30/18 11:41	180827S02
18-08-1885-1	Matrix Spike Duplicate	Solid	ICP/MS 05	08/27/18	08/29/18 22:37	180827S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	13.10	25.00	40.83	111	43.27	121	72-132	6	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18

Work Order: 18-07-0811

Preparation: EPA 7471A Total

Method: EPA 7471A

Project: Taft Charter High School

Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1307-1	Sample	Solid	Mercury 07	08/27/18	08/27/18 15:56	180827S03
18-08-1307-1	Matrix Spike	Solid	Mercury 07	08/27/18	08/27/18 15:58	180827S03
18-08-1307-1	Matrix Spike Duplicate	Solid	Mercury 07	08/27/18	08/27/18 16:00	180827S03

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7050	84	0.7429	89	71-137	5	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18

Work Order: 18-07-0811

Preparation: EPA 7471A Total

Method: EPA 7471A

Project: Taft Charter High School

Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1363-1	Sample	Solid	Mercury 08	08/22/18	08/22/18 18:09	180822S04
18-08-1363-1	Matrix Spike	Solid	Mercury 08	08/22/18	08/22/18 18:11	180822S04
18-08-1363-1	Matrix Spike Duplicate	Solid	Mercury 08	08/22/18	08/22/18 18:13	180822S04

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7481	90	0.8083	97	71-137	8	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-08-0436-2	Sample	Concrete	ICP 8300	08/22/18 00:00	08/28/18 17:39	180824SA1
18-08-0436-2	PDS	Concrete	ICP 8300	08/22/18 00:00	08/28/18 17:43	180824SA1
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Lead	ND	5.000	5.219	104	75-125	

[Return to Contents](#)

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-08-1169-10	Sample	Sediment	ICP/MS 05	08/23/18 00:00	08/27/18 17:18	180823S04
18-08-1169-10	PDS	Sediment	ICP/MS 05	08/23/18 00:00	08/27/18 17:11	180823S04
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	3.541	25.00	30.79	109	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-08-1885-1	Sample	Solid	ICP/MS 05	08/27/18 00:00	08/29/18 22:59	180827S02
18-08-1885-1	PDS	Solid	ICP/MS 05	08/27/18 00:00	08/29/18 22:41	180827S02

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	13.10	25.00	38.02	100	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26883</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/23/18</b>	<b>08/29/18 10:29</b>	<b>180823L08A</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.07	88	80-120	73-127	
Barium	25.00	23.96	96	80-120	73-127	
Beryllium	25.00	22.60	90	80-120	73-127	
Cadmium	25.00	23.82	95	80-120	73-127	
Chromium	25.00	23.77	95	80-120	73-127	
Cobalt	25.00	24.06	96	80-120	73-127	
Copper	25.00	23.36	93	80-120	73-127	
Lead	25.00	27.70	111	80-120	73-127	
Molybdenum	25.00	23.30	93	80-120	73-127	
Nickel	25.00	26.18	105	80-120	73-127	
Selenium	25.00	22.36	89	80-120	73-127	
Silver	12.50	11.33	91	80-120	73-127	
Thallium	25.00	24.51	98	80-120	73-127	
Vanadium	25.00	22.96	92	80-120	73-127	
Zinc	25.00	24.82	99	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: Taft Charter High School

Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26890</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/27/18</b>	<b>08/30/18 22:20</b>	<b>180827L03</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.78	91	80-120	73-127	
Barium	25.00	25.10	100	80-120	73-127	
Beryllium	25.00	23.66	95	80-120	73-127	
Cadmium	25.00	24.99	100	80-120	73-127	
Chromium	25.00	24.45	98	80-120	73-127	
Cobalt	25.00	24.84	99	80-120	73-127	
Copper	25.00	24.30	97	80-120	73-127	
Lead	25.00	27.41	110	80-120	73-127	
Molybdenum	25.00	24.10	96	80-120	73-127	
Nickel	25.00	24.94	100	80-120	73-127	
Selenium	25.00	22.99	92	80-120	73-127	
Silver	12.50	11.86	95	80-120	73-127	
Thallium	25.00	25.14	101	80-120	73-127	
Vanadium	25.00	23.91	96	80-120	73-127	
Zinc	25.00	26.00	104	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: Taft Charter High School

Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-05-006-9699</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>08/22/18</b>	<b>08/28/18 17:36</b>	<b>180824LA1</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	5.000	5.827	117	80-120	



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1722</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/27/18 16:56</b>	<b>180823L04A</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	25.98	104	80-120	

  
Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 3050B  
Method: EPA 6020

Project: Taft Charter High School

Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1725</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/27/18</b>	<b>08/29/18 22:30</b>	<b>180827L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	23.84	95	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4084</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/27/18</b>	<b>08/27/18 15:53</b>	<b>180827L03</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.7639	91	85-121	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 07/12/18  
Work Order: 18-07-0811  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: Taft Charter High School

Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4076</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/22/18</b>	<b>08/22/18 18:06</b>	<b>180822L04</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.7858	94	85-121	

[Return to Contents](#)

## Sample Analysis Summary Report

Work Order: 18-07-0811

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	110	ICP 8300	1
EPA 6010B	T22.11.5. All	110	ICP 8300	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7471A	EPA 7471A Total	868	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-07-0811

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

**Hoaibao Nguyen**

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Wednesday, August 22, 2018 11:41 AM  
**To:** Stephen Nowak; Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Yes. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:[StephenNowak@eurofinsUS.com](mailto:StephenNowak@eurofinsUS.com)]  
**Sent:** Wednesday, August 22, 2018 11:39 AM  
**To:** Salgado, Desi; Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

Desi- for lead analysis only, correct?

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)



The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. Email transmission cannot be guaranteed to be secure or error free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete. The sender therefore is in no way liable for any errors or omissions in the content of this message which may arise as a result of email transmission. If verification is required, please request a hard copy. We take reasonable precautions to ensure our emails

are free from viruses. You need, however, to verify that this email and any attachments are free of viruses, as we can take no responsibility for any computer viruses, which might be transferred by way of this email. We may monitor all email communication through our networks. If you contact us by email, we may store your name and address to facilitate communication.

---

**From:** Salgado, Desi [<mailto:Desi.Salgado@EFIGLOBAL.com>]  
**Sent:** Wednesday, August 22, 2018 9:56 AM  
**To:** Hoaibao Nguyen  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL \*

Tina and Steve,

I would also like to request STLC analysis for the following samples:

B2-0.5  
 B4-0.5  
 B37-1.5

Standard TAT. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Hoaibao Nguyen [<mailto:HoaibaoNguyen@eurofinsUS.com>]  
**Sent:** Friday, August 17, 2018 4:48 PM  
**To:** Salgado, Desi  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

You're welcome! Have a great weekend!

Best Regards,

Hoaibao (Tina) Nguyen  
 Assistant Project Manager

**Eurofins Calscience, LLC**  
 P: +1 714 895 5494  
 Email: [HoaibaoNguyen@EurofinsUS.com](mailto:HoaibaoNguyen@EurofinsUS.com)

---

**From:** Salgado, Desi [<mailto:Desi.Salgado@EFIGLOBAL.com>]  
**Sent:** Friday, August 17, 2018 4:46 PM  
**To:** Hoaibao Nguyen

## Hoaibao Nguyen

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Wednesday, August 22, 2018 9:56 AM  
**To:** Hoaibao Nguyen  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Tina, please note that we need **B43-3** analyzed instead of B42-3 as indicated in my previous email. If it's too late to stop the analysis of B42-3, please simply submit B43-3 for analysis as well.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Salgado, Desi  
**Sent:** Friday, August 17, 2018 4:46 PM  
**To:** 'Hoaibao Nguyen'  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

Understood. Thank you.

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Hoaibao Nguyen [<mailto:HoaiBaoNguyen@eurofinsUS.com>]  
**Sent:** Friday, August 17, 2018 4:46 PM  
**To:** Salgado, Desi  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

I will put it in for 3day TAT. Please note that we may not be able to meet the TAT, the lab is currently slammed, but we will try our best.

Best Regards,

**Hoaibao Nguyen**

---

**From:** Stephen Nowak  
**Sent:** Friday, August 17, 2018 2:48 PM  
**To:** Hoaibao Nguyen  
**Subject:** FW: Taft Charter High School / ECI 18-07-0682

---

**From:** Salgado, Desi  
**Sent:** Friday, August 17, 2018 2:48:06 PM (UTC-08:00) Pacific Time (US & Canada)  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

Steve,

Please submit the following samples for analysis for arsenic by EPA 6020 and Title 22 metals by EPA 6010B/7471A:

B9-3  
 B11-3  
 B37-3  
 B42-3

These samples are from reports 18-07-0811 and -0682. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:StephenNowak@eurofinsUS.com]  
**Sent:** Friday, August 10, 2018 11:27 AM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0682

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC

## Hoaibao Nguyen

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Friday, August 17, 2018 4:31 PM  
**To:** Hoaibao Nguyen  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

EXTERNAL EMAIL\*

3-day TAT please. Thank you.

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Hoaibao Nguyen [mailto:[HoaibaoNguyen@eurofinsUS.com](mailto:HoaibaoNguyen@eurofinsUS.com)]  
**Sent:** Friday, August 17, 2018 2:57 PM  
**To:** Salgado, Desi  
**Cc:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

Hi Desi,

Standard TAT?

Best Regards,

Hoaibao (Tina) Nguyen  
 Assistant Project Manager

**Eurofins Calscience, LLC**  
 P: +1 714 895 5494  
 Email: [HoaibaoNguyen@EurofinsUS.com](mailto:HoaibaoNguyen@EurofinsUS.com)

---

**From:** Stephen Nowak  
**Sent:** Friday, August 17, 2018 2:48 PM  
**To:** Hoaibao Nguyen  
**Subject:** FW: Taft Charter High School / ECI 18-07-0682

---

**From:** Salgado, Desi  
**Sent:** Friday, August 17, 2018 2:48:06 PM (UTC-08:00) Pacific Time (US & Canada)  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0682

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, July 26, 2018 12:55 PM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL\*

Steve,

I'd like to request lead STLC analysis for sample B37-0.5 and the following samples for arsenic by 6020 and Title 22 Metals by 6010B/7471A:

- B2-1.5
- B9-1.5
- B11-1.5
- B24-1.5
- B34-1.5
- B37-1.5
- B41-1.5
- B43-1.5
- B49-1.5

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]

**Sent:** Tuesday, July 24, 2018 4:38 PM

**To:** Salgado, Desi

**Cc:** Lutmer, Christine

**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (601)	Arsenic (6020)	PCBs(8082)								Hold	Acetate Liner	Plastic Bag	VOAs (by EPA	Summa Cannist	Tedlar Bag	Normal / Stand	72 Hour	48 Hours	24 Hours
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																					
1	B21-0.5					X						07/11/18	7:31	X	X	X	X														X			
2	B21-0.5 DUP					X						07/11/18	7:31	X	X	X															X			
3	B21-1.5					X						07/11/18	7:32																					
4	B21-3					X						07/11/18	7:33																					
5	B22-0.5					X						07/11/18	7:41	X	X	X															X			
6	B22-0.5 DUP					X						07/11/18	7:41	X	X	X															X			
7	B22-1.5					X						07/11/18	7:42																					
8	B22-3					X						07/11/18	7:43																					
9	B23-0.5					X						07/11/18	7:51	X	X	X															X			
10	B23-0.5 DUP					X						07/11/18	7:51	X	X	X															X			
11	B23-1.5					X						07/11/18	7:52																					
12	B23-3					X						07/11/18	7:53																					
13	B24-0.5					X						07/11/18	8:05	X	X	X															X			
14	B24-0.5 DUP					X						07/11/18	8:05	X	X	X															X			
15	B24-1.5					X						07/11/18	8:06																					
16	B24-3					X						07/11/18	8:07																					
17	B25-0.5					x						07/11/18	8:40	X	X	X															X			
18	B25-0.5 DUP					x						07/11/18	8:40	X	X	X															X			
19	B25-1.5					x						07/11/18	8:42																					
20	B25-3					x						07/11/18	8:43																					

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/11/18	1630	Steve Nowak	7/12/18	1600	Sample condition (circle): Chilled Intact

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		OCs (8081)	T22 Metals (6010)	Arsenic (6020)	PCBs (8082)							Hold	Acetate Liner	Plastic Bag	VOAs (by EPA 5)	Summa Cannister	Tedlar Bag	Normal / Standard	72 Hour	48 Hours	24 Hours	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time																					
1	B26-0.5	21				X							07/11/18	8:50	X	X	X	X																	X
2	B26-0.5 DUP	22				X							07/11/18	8:50	X	X	X																	X	
3	B26-1.5	23				X							07/11/18	8:52										X											X
4	B26-3	24				X							07/11/18	8:54									X												
5	B27-0.5	25				X							07/11/18	9:25	X	X	X																	X	
6	B27-1.5	26				X							07/11/18	9:27									X												
7	B27-3	27				X							07/11/18	9:29									X												
8	B28-0.5	28				X							07/11/18	9:45	X	X	X																	X	
9	B28-1.5	29				X							07/11/18	9:47									X												
10	B28-3	30				X							07/11/18	9:49									X												
11	B29-0.5	31				X							07/11/18	10:00	X	X	X																	X	
12	B29-1.5	32				X							07/11/18	10:02									X												
13	B29-3	33				X							07/11/18	10:04									X												
14	B30-0.5	34				X							07/11/18	10:16	X	X	X																	X	
15	B30-1.5	35				X							07/11/18	10:18									X												
16	B30-3	36				X							07/11/18	10:20									X												
17	B31-0.5	37				X							07/11/18	10:41	X	X	X																	X	
18	B31-0.5 DUP	38				X							07/11/18	10:41	X	X	X																	X	
19	B31-1.5	39				X							07/11/18	10:43									X												
20	B31-3	40				X							07/11/18	10:45									X												

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/12/18	1158	Steve Nowak	7/12/18	1150	Sample condition (circle): Chilled Intact
	7/12/18	1630		7/12/18	1630	

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (601)	Arsenic (6020)	PCBs(8082)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
--------	-----------	--------	------	--	--------	--	--	--------------	--	--	--	----------------------	--	-------------	------------------	----------------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Relinquished by	Date	Time	Received by	Date	Time	Remarks
<i>Desi Salgado</i>	7/12/18	1630	<i>Steve Nowak</i>	7/12/18	1630	Sample condition (circle): Chilled Intact

081

# Chain-of-Custody Record

EFI\_071118-4

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (6010)	Arsenic (6020)	PCBs(8082)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
--------	-----------	--------	------	--	--------	--	--	--------------	--	--	--	----------------------	--	-------------	-------------------	----------------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Desi Salgado	7/12/18	1450	Steve Nowak	7/12/18	1450	Sample condition (circle): Chilled Intact
	7/12/18	1630		7/12/18	1630	

0811

# Chain-of-Custody Record

EFI\_071118-5

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:	
Project Name: Taft Charter High School		NA	
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364			
Project Manager: Desi Salgado		Lab Contact: Steve Nowak	
Sampled by: Desi Salgado		Quote No: 965156	
Phone:		310-854-6300	
Email:		desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		OCPs (8081)	T22 Metals (6010)	Arsenic (6020)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
--------	-----------	--------	------	--	--------	--	--	--------------	--	--	--	----------------------	--	-------------	-------------------	----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Relinquished by:	Date	Time	Received by:	Date	Time	Remarks
<i>[Signature]</i>	7/12/18	1630	<i>[Signature]</i>	7/12/18	1630	Sample condition (circle): Chilled Intact

# Chain-of-Custody Record

EFI\_071118-16

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Name: Taft Charter High School		NA
Project Address: 5461 Winnetka Avenue, Woodland Hills, CA 91364		
Project Manager: Desi Salgado	Lab Contact: Steve Nowak	
Sampled by: Desi Salgado	Quote No: 965156	
Phone:	310-854-6300	
Email:	desi.salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative			Sampling Information		Method						Container				Turnaround Time										
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time	OCPs (8081)	T22 Metals (6010/7471)	Arsenic (6020)	VOCs (8260)	PCBs (8082)	TPHcc (8015)	Hold	Acetate Liner	Plastic Bag	VOAs (by EPA 5035)	Glass	Tedlar Bag	Normal / Standard (7-day TAT)	72 Hour	48 Hours	24 Hours				
1	TB-2	101			X								07/11/18	-				X																
2	EB-2	102			X								07/11/18	15:30	X	X	X	X	X	X														
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		
13																																		
14																																		
15																																		
16																																		
17																																		
18																																		
19																																		
20																																		

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	7/12/18	4:00		7/12/18	11:00	
	7/12/18	16:30		7/12/18	16:30	Sample condition (circle): Chilled Intact

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2CLIENT: EPI GLOBALDATE: 07 / 1 / 2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.5 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: ES

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: ESSample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1013

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... Yes ☒ No ☐ N/A ☐COC document(s) received complete ..... Yes ☒ No ☒ N/A ☐☐ Sampling date ☐ Sampling time ☐ Matrix ☒ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... Yes ☒ No ☐ N/A ☐Sample container label(s) consistent with COC ..... Yes ☐ No ☒ N/A ☐Sample container(s) intact and in good condition ..... Yes ☒ No ☐ N/A ☐Proper containers for analyses requested ..... Yes ☒ No ☐ N/A ☐Sufficient volume/mass for analyses requested ..... Yes ☒ No ☐ N/A ☐Samples received within holding time ..... Yes ☒ No ☐ N/A ☐

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... Yes ☐ No ☐ N/A ☒Proper preservation chemical(s) noted on COC and/or sample container ..... Yes ☒ No ☐ N/A ☐

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... Yes ☒ No ☐ N/A ☐Container(s) for certain analysis free of headspace ..... Yes ☒ No ☐ N/A ☐☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... Yes ☐ No ☐ N/A ☒

## CONTAINER TYPE:

(Trip Blank Lot Number: 180709B)Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PB<sub>n</sub> (pH\_\_2) ☐ 500AGB ☒ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB☒ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1013s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 718

## SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2CLIENT: EPI GLOBALDATE: 07/12/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 803

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 803Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1013

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ..... ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ..... ☒ Yes ☐ No ☐ N/ASample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ..... ☒ Yes ☐ No ☐ N/ASamples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ..... ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... ☒ Yes ☐ No ☒ N/AContainer(s) for certain analysis free of headspace ..... ☐ Yes ☐ No ☒ N/A☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve (P) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1013s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>·H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: TU

## SAMPLE ANOMALY REPORT

DATE: **07/12/2018**

### SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☒ Client sample ID
    - ☐ Sampling date and/or time
    - ☐ Number of container(s)
    - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

### MISCELLANEOUS: (Describe)

### HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

Comments: \_\_\_\_\_

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

### Comments

*ECI labeled as  
B34 - 0.5 Dup.  
7/11/18 @ 1115*

### Comments

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Reported by: *TD*  
Reviewed by: *826*

**WORK ORDER NUMBER: 18-08-0913***The difference is service*

AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For****Client:** EFI Global Inc.**Client Project Name:** 9836003557**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

A handwritten signature in black ink, appearing to read "Stephen Nowak".

---

Approved for release on 08/27/2018 by:  
Stephen Nowak  
Project Manager

[ResultLink ▶](#)[Email your PM ▶](#)

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: 9836003557

Work Order Number: 18-08-0913

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	6
4	Client Sample Data. . . . .	15
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	15
	4.2 EPA 6020 ICP/MS Metals (Solid). . . . .	24
	4.3 EPA 7471A Mercury (Solid). . . . .	27
	4.4 EPA 8081A Organochlorine Pesticides (Solid). . . . .	30
5	Quality Control Sample Data. . . . .	48
	5.1 MS/MSD. . . . .	48
	5.2 PDS/PDSD. . . . .	52
	5.3 LCS/LCSD. . . . .	53
6	Sample Analysis Summary. . . . .	57
7	Glossary of Terms and Qualifiers. . . . .	58
8	Chain-of-Custody/Sample Receipt Form. . . . .	59

**Work Order Narrative**

Work Order: 18-08-0913

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 08/10/18. They were assigned to Work Order 18-08-0913.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order:	18-08-0913
5261 West Imperial Highway	Project Name:	9836003557
Los Angeles, CA 90045-6231	PO Number:	
	Date/Time Received:	08/10/18 18:30
	Number of Containers:	50

Attn: Desi Salgado

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B3A-0.5	18-08-0913-1	08/09/18 10:47	1	Solid
B3A-1.5	18-08-0913-2	08/09/18 10:50	1	Solid
B3A-3	18-08-0913-3	08/09/18 10:55	1	Solid
B3B-0.5	18-08-0913-4	08/09/18 11:02	1	Solid
B3B-1.5	18-08-0913-5	08/09/18 11:05	1	Solid
B3B-3	18-08-0913-6	08/09/18 11:10	1	Solid
B3C-0.5	18-08-0913-7	08/09/18 11:17	1	Solid
B3C-1.5	18-08-0913-8	08/09/18 11:20	2	Solid
B3C-3	18-08-0913-9	08/09/18 11:25	0	Solid
B5A-0.5	18-08-0913-10	08/09/18 10:02	1	Solid
B5A-0.5DUP	18-08-0913-11	08/09/18 10:02	1	Solid
B5A-1.5	18-08-0913-12	08/09/18 10:05	1	Solid
B5A-1.5DUP	18-08-0913-13	08/09/18 10:05	1	Solid
B5A-3	18-08-0913-14	08/09/18 10:10	1	Solid
B5A-3DUP	18-08-0913-15	08/09/18 10:10	1	Solid
B5B-0.5	18-08-0913-16	08/09/18 10:17	1	Solid
B5B-1.5	18-08-0913-17	08/09/18 10:20	1	Solid
B5B-3	18-08-0913-18	08/09/18 10:25	1	Solid
B5C-0.5	18-08-0913-19	08/09/18 10:32	1	Solid
B5C-1.5	18-08-0913-20	08/09/18 10:40	1	Solid
B5C-3	18-08-0913-21	08/09/18 10:40	1	Solid
B11A-0.5	18-08-0913-22	08/09/18 11:37	1	Solid
B11A-0.5DUP	18-08-0913-23	08/09/18 11:37	1	Solid
B11A-1.5	18-08-0913-24	08/09/18 11:40	1	Solid
B11A-1.5DUP	18-08-0913-25	08/09/18 11:40	1	Solid
B11A-3	18-08-0913-26	08/09/18 11:45	1	Solid
B11A-3DUP	18-08-0913-27	08/09/18 11:45	1	Solid
B11B-0.5	18-08-0913-28	08/09/18 11:52	1	Solid
B11B-1.5	18-08-0913-29	08/09/18 11:55	1	Solid
B11C-0.5	18-08-0913-30	08/09/18 12:07	1	Solid
B11C-1.5	18-08-0913-31	08/09/18 12:10	1	Solid
B11C-3	18-08-0913-32	08/09/18 12:15	1	Solid
B37A-0.5	18-08-0913-33	08/09/18 12:22	1	Solid
B37A-1.5	18-08-0913-34	08/09/18 12:25	1	Solid
B37A-3	18-08-0913-35	08/09/18 12:30	1	Solid
B37B-0.5	18-08-0913-36	08/09/18 12:37	1	Solid
B37B-1.5	18-08-0913-37	08/09/18 12:40	1	Solid
B37B-3	18-08-0913-38	08/09/18 12:45	1	Solid
B37C-0.5	18-08-0913-39	08/09/18 12:52	1	Solid
B37C-1.5	18-08-0913-40	08/09/18 12:55	1	Solid
B37C-3	18-08-0913-41	08/09/18 13:00	1	Solid
B49A-0.5	18-08-0913-42	08/09/18 09:02	1	Solid


 Return to Contents



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-08-0913
5261 West Imperial Highway	Project Name: 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 08/10/18 18:30
	Number of Containers: 50
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B49A-1.5	18-08-0913-43	08/09/18 09:05	1	Solid
B49A-3	18-08-0913-44	08/09/18 09:10	1	Solid
B49B-0.5	18-08-0913-45	08/09/18 09:18	1	Solid
B49B-1.5	18-08-0913-46	08/09/18 09:20	1	Solid
B49B-3	18-08-0913-47	08/09/18 09:25	1	Solid
B49C-0.5	18-08-0913-48	08/09/18 09:32	1	Solid
B49C-1.5	18-08-0913-49	08/09/18 09:35	1	Solid
B49C-3	18-08-0913-50	08/09/18 09:40	1	Solid

[Return to Contents](#)



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 1 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B3A-0.5 (18-08-0913-1)						
Barium	177		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.767		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.72		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.0		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.81		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	52.0		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	21.8		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.71		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	41.0		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.75		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.96		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.9		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	104		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	14.9		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	13		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	21		5.0	ug/kg	EPA 8081A	EPA 3545
B3B-0.5 (18-08-0913-4)						
Barium	133		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.712		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.52		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.02		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	24.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	9.00		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.74		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.892		0.750	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.94		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.22		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 2 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B3C-0.5 (18-08-0913-7)						
Barium	138		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.627		0.254	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.21		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	29.3		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.71		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	38.7		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	10.4		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.52		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.5		0.254	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.92		0.761	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.07		0.761	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.7		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	82.7		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.28		1.00	mg/kg	EPA 6020	EPA 3050B
B5A-0.5 (18-08-0913-10)						
Barium	174		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.707		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.14		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.4		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.89		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	43.2		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	27.1		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	8.94		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.0		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.48		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.92		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.1		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	183		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	14.1		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	5.8		5.0	ug/kg	EPA 8081A	EPA 3545
Dieldrin	20		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 3 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B5A-0.5DUP (18-08-0913-11)						
Barium	181		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.706		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.18		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.5		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.83		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	45.1		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	34.0		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.07		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.7		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.95		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.48		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.9		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	190		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.9		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	4.9		4.9	ug/kg	EPA 8081A	EPA 3545
Dieldrin	19		4.9	ug/kg	EPA 8081A	EPA 3545
B5B-0.5 (18-08-0913-16)						
Barium	220		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.672		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.12		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.27		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	46.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	37.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.70		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	28.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.53		0.750	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.78		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	121		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.98		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0813		0.0806	mg/kg	EPA 7471A	EPA 7471A Total
4,4'-DDE	9.8		5.0	ug/kg	EPA 8081A	EPA 3545
Dieldrin	17		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 4 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B5C-0.5 (18-08-0913-19)						
Barium	172		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.631		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.920		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.65		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	48.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	25.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.10		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.22		0.750	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.69		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	111		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	12.7		1.00	mg/kg	EPA 6020	EPA 3050B
Dieldrin	13		4.9	ug/kg	EPA 8081A	EPA 3545
B11A-0.5 (18-08-0913-22)						
Barium	149		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.798		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.56		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	37.0		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.68		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	54.0		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	10.0		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	9.90		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	53.7		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.81		0.743	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.77		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.5		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	138		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	36.2		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 5 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B11A-0.5DUP (18-08-0913-23)						
Barium	129		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	1.08		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	6.47		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.8		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	30.8		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	50.7		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	9.05		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	21.9		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	225		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.69		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.6		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	159		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	16.2		1.00	mg/kg	EPA 6020	EPA 3050B
B11B-0.5 (18-08-0913-28)						
Barium	136		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.697		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.17		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.7		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.91		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	27.1		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	25.8		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.885		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	18.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.29		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	109		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	20.0		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	49		25	ug/kg	EPA 8081A	EPA 3545

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 6 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B11C-0.5 (18-08-0913-30)						
Barium	130		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.646		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.70		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	22.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.23		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	27.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.07		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.06		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	43.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.34		0.750	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.64		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	75.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.92		1.00	mg/kg	EPA 6020	EPA 3050B
B37A-0.5 (18-08-0913-33)						
Barium	176		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.811		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.27		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.8		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.9		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	26.8		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	4.84		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.59		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	60.3		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.879		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.98		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.5		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	97.1		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.49		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 7 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B37B-0.5 (18-08-0913-36)						
Barium	223		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.855		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.03		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	37.4		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.97		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	42.7		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	5.19		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	12.4		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	45.8		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	4.86		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.19		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	50.9		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	95.2		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	12.6		5.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0948		0.0862	mg/kg	EPA 7471A	EPA 7471A Total
B37C-0.5 (18-08-0913-39)						
Barium	193		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.917		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.69		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	39.2		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.4		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	47.4		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	228		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.79		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	56.8		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.39		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.70		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.8		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	315		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	30.1		5.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.220		0.0806	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	160		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDD	12		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	310		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	17		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 8 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B49A-0.5 (18-08-0913-42)						
Barium	174		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.625		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.816		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.3		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.77		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	41.2		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	14.5		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	9.83		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.1		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	8.86		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.99		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.5		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	93.5		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	11.8		5.00	mg/kg	EPA 6020	EPA 3050B
B49B-0.5 (18-08-0913-45)						
Barium	147		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.542		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.770		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	36.1		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.16		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	40.0		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	5.72		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	12.8		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	6.17		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.13		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.7		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	90.0		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	11.9		5.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 9 of 9

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B49C-0.5 (18-08-0913-48)						
Barium	176		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.540		0.249	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.6		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.69		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	38.8		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	4.83		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	12.8		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.6		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	7.57		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.46		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.9		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	88.4		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	12.1		5.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3A-0.5</b>	<b>18-08-0913-1-A</b>	<b>08/09/18 10:47</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:33</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	177	0.498	0.995	
Beryllium	0.767	0.249	0.995	
Cadmium	1.72	0.498	0.995	
Chromium	32.0	0.249	0.995	
Cobalt	8.81	0.249	0.995	
Copper	52.0	0.498	0.995	
Lead	21.8	0.498	0.995	
Molybdenum	5.71	0.249	0.995	
Nickel	41.0	0.249	0.995	
Selenium	3.75	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.96	0.746	0.995	
Vanadium	38.9	0.249	0.995	
Zinc	104	0.995	0.995	

<b>B3B-0.5</b>	<b>18-08-0913-4-A</b>	<b>08/09/18 11:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:38</b>	<b>180818L08</b>
----------------	-----------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	133	0.500	1.00	
Beryllium	0.712	0.250	1.00	
Cadmium	1.52	0.500	1.00	
Chromium	25.5	0.250	1.00	
Cobalt	8.02	0.250	1.00	
Copper	24.8	0.500	1.00	
Lead	9.00	0.500	1.00	
Molybdenum	2.74	0.250	1.00	
Nickel	29.5	0.250	1.00	
Selenium	0.892	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.94	0.750	1.00	
Vanadium	42.0	0.250	1.00	
Zinc	68.0	1.00	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3C-0.5</b>	<b>18-08-0913-7-A</b>	<b>08/09/18 11:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:40</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.761	1.02	
Barium	138	0.508	1.02	
Beryllium	0.627	0.254	1.02	
Cadmium	1.21	0.508	1.02	
Chromium	29.3	0.254	1.02	
Cobalt	7.71	0.254	1.02	
Copper	38.7	0.508	1.02	
Lead	10.4	0.508	1.02	
Molybdenum	5.52	0.254	1.02	
Nickel	31.5	0.254	1.02	
Selenium	1.92	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	2.07	0.761	1.02	
Vanadium	38.7	0.254	1.02	
Zinc	82.7	1.02	1.02	

<b>B5A-0.5</b>	<b>18-08-0913-10-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:41</b>	<b>180818L08</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	174	0.503	1.01	
Beryllium	0.707	0.251	1.01	
Cadmium	1.14	0.503	1.01	
Chromium	33.4	0.251	1.01	
Cobalt	7.89	0.251	1.01	
Copper	43.2	0.503	1.01	
Lead	27.1	0.503	1.01	
Molybdenum	8.94	0.251	1.01	
Nickel	30.0	0.251	1.01	
Selenium	2.48	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	1.92	0.754	1.01	
Vanadium	42.1	0.251	1.01	
Zinc	183	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 3 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5A-0.5DUP</b>	<b>18-08-0913-11-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:43</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	181	0.503	1.01	
Beryllium	0.706	0.251	1.01	
Cadmium	1.18	0.503	1.01	
Chromium	34.5	0.251	1.01	
Cobalt	8.83	0.251	1.01	
Copper	45.1	0.503	1.01	
Lead	34.0	0.503	1.01	
Molybdenum	7.07	0.251	1.01	
Nickel	30.7	0.251	1.01	
Selenium	2.95	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	1.48	0.754	1.01	
Vanadium	40.9	0.251	1.01	
Zinc	190	1.01	1.01	

<b>B5B-0.5</b>	<b>18-08-0913-16-A</b>	<b>08/09/18 10:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:44</b>	<b>180818L08</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	220	0.500	1.00	
Beryllium	0.672	0.250	1.00	
Cadmium	1.12	0.500	1.00	
Chromium	33.9	0.250	1.00	
Cobalt	8.27	0.250	1.00	
Copper	46.9	0.500	1.00	
Lead	37.3	0.500	1.00	
Molybdenum	5.70	0.250	1.00	
Nickel	28.7	0.250	1.00	
Selenium	2.53	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.78	0.750	1.00	
Vanadium	38.5	0.250	1.00	
Zinc	121	1.00	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5C-0.5</b>	<b>18-08-0913-19-A</b>	<b>08/09/18 10:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:49</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	172	0.500	1.00	
Beryllium	0.631	0.250	1.00	
Cadmium	0.920	0.500	1.00	
Chromium	33.5	0.250	1.00	
Cobalt	7.65	0.250	1.00	
Copper	48.5	0.500	1.00	
Lead	25.3	0.500	1.00	
Molybdenum	7.10	0.250	1.00	
Nickel	31.3	0.250	1.00	
Selenium	3.22	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.69	0.750	1.00	
Vanadium	36.4	0.250	1.00	
Zinc	111	1.00	1.00	

<b>B11A-0.5</b>	<b>18-08-0913-22-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:51</b>	<b>180818L08</b>
-----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	149	0.495	0.990	
Beryllium	0.798	0.248	0.990	
Cadmium	1.56	0.495	0.990	
Chromium	37.0	0.248	0.990	
Cobalt	9.68	0.248	0.990	
Copper	54.0	0.495	0.990	
Lead	10.0	0.495	0.990	
Molybdenum	9.90	0.248	0.990	
Nickel	53.7	0.248	0.990	
Selenium	2.81	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	1.77	0.743	0.990	
Vanadium	41.5	0.248	0.990	
Zinc	138	0.990	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 5 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11A-0.5DUP</b>	<b>18-08-0913-23-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:52</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	129	0.495	0.990	
Beryllium	1.08	0.248	0.990	
Cadmium	6.47	0.495	0.990	
Chromium	38.8	0.248	0.990	
Cobalt	30.8	0.248	0.990	
Copper	50.7	0.495	0.990	
Lead	9.05	0.495	0.990	
Molybdenum	21.9	0.248	0.990	
Nickel	225	0.248	0.990	
Selenium	2.69	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	41.6	0.248	0.990	
Zinc	159	0.990	0.990	

<b>B11B-0.5</b>	<b>18-08-0913-28-A</b>	<b>08/09/18 11:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:54</b>	<b>180818L08</b>
-----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	136	0.493	0.985	
Beryllium	0.697	0.246	0.985	
Cadmium	1.17	0.493	0.985	
Chromium	30.7	0.246	0.985	
Cobalt	9.91	0.246	0.985	
Copper	27.1	0.493	0.985	
Lead	25.8	0.493	0.985	
Molybdenum	0.885	0.246	0.985	
Nickel	18.1	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	2.29	0.739	0.985	
Vanadium	42.1	0.246	0.985	
Zinc	109	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 6 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11C-0.5</b>	<b>18-08-0913-30-A</b>	<b>08/09/18 12:07</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:55</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	130	0.500	1.00	
Beryllium	0.646	0.250	1.00	
Cadmium	1.70	0.500	1.00	
Chromium	22.6	0.250	1.00	
Cobalt	8.23	0.250	1.00	
Copper	27.5	0.500	1.00	
Lead	4.07	0.500	1.00	
Molybdenum	5.06	0.250	1.00	
Nickel	43.9	0.250	1.00	
Selenium	3.34	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.64	0.750	1.00	
Vanadium	31.7	0.250	1.00	
Zinc	75.5	1.00	1.00	

<b>B37A-0.5</b>	<b>18-08-0913-33-A</b>	<b>08/09/18 12:22</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:57</b>	<b>180818L08</b>
-----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	176	0.503	1.01	
Beryllium	0.811	0.251	1.01	
Cadmium	2.27	0.503	1.01	
Chromium	25.8	0.251	1.01	
Cobalt	10.9	0.251	1.01	
Copper	26.8	0.503	1.01	
Lead	4.84	0.503	1.01	
Molybdenum	4.59	0.251	1.01	
Nickel	60.3	0.251	1.01	
Selenium	0.879	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	1.98	0.754	1.01	
Vanadium	40.5	0.251	1.01	
Zinc	97.1	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37B-0.5</b>	<b>18-08-0913-36-A</b>	<b>08/09/18 12:37</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:58</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	223	0.505	1.01	
Beryllium	0.855	0.253	1.01	
Cadmium	1.03	0.505	1.01	
Chromium	37.4	0.253	1.01	
Cobalt	9.97	0.253	1.01	
Copper	42.7	0.505	1.01	
Lead	5.19	0.505	1.01	
Molybdenum	12.4	0.253	1.01	
Nickel	45.8	0.253	1.01	
Selenium	4.86	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	2.19	0.758	1.01	
Vanadium	50.9	0.253	1.01	
Zinc	95.2	1.01	1.01	

<b>B37C-0.5</b>	<b>18-08-0913-39-A</b>	<b>08/09/18 12:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/25/18 00:00</b>	<b>180818L08</b>
-----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	193	0.503	1.01	
Beryllium	0.917	0.251	1.01	
Cadmium	1.69	0.503	1.01	
Chromium	39.2	0.251	1.01	
Cobalt	13.4	0.251	1.01	
Copper	47.4	0.503	1.01	
Lead	228	0.503	1.01	
Molybdenum	5.79	0.251	1.01	
Nickel	56.8	0.251	1.01	
Selenium	2.39	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	1.70	0.754	1.01	
Vanadium	45.8	0.251	1.01	
Zinc	315	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 8 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49A-0.5</b>	<b>18-08-0913-42-A</b>	<b>08/09/18 09:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/25/18 00:02</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	174	0.503	1.01	
Beryllium	0.625	0.251	1.01	
Cadmium	0.816	0.503	1.01	
Chromium	32.3	0.251	1.01	
Cobalt	7.77	0.251	1.01	
Copper	41.2	0.503	1.01	
Lead	14.5	0.503	1.01	
Molybdenum	9.83	0.251	1.01	
Nickel	29.1	0.251	1.01	
Selenium	8.86	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	1.99	0.754	1.01	
Vanadium	40.5	0.251	1.01	
Zinc	93.5	1.01	1.01	

<b>B49B-0.5</b>	<b>18-08-0913-45-A</b>	<b>08/09/18 09:18</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/25/18 00:03</b>	<b>180818L08</b>
-----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	147	0.498	0.995	
Beryllium	0.542	0.249	0.995	
Cadmium	0.770	0.498	0.995	
Chromium	36.1	0.249	0.995	
Cobalt	7.16	0.249	0.995	
Copper	40.0	0.498	0.995	
Lead	5.72	0.498	0.995	
Molybdenum	12.8	0.249	0.995	
Nickel	30.4	0.249	0.995	
Selenium	6.17	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	2.13	0.746	0.995	
Vanadium	37.7	0.249	0.995	
Zinc	90.0	0.995	0.995	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 9 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49C-0.5</b>	<b>18-08-0913-48-A</b>	<b>08/09/18 09:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/25/18 00:08</b>	<b>180818L08</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	176	0.498	0.995	
Beryllium	0.540	0.249	0.995	
Cadmium	ND	0.498	0.995	
Chromium	34.6	0.249	0.995	
Cobalt	7.69	0.249	0.995	
Copper	38.8	0.498	0.995	
Lead	4.83	0.498	0.995	
Molybdenum	12.8	0.249	0.995	
Nickel	24.6	0.249	0.995	
Selenium	7.57	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.46	0.746	0.995	
Vanadium	39.9	0.249	0.995	
Zinc	88.4	0.995	0.995	

<b>Method Blank</b>	<b>097-01-002-26840</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:30</b>	<b>180818L08</b>
---------------------	-------------------------	------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.735	0.980	
Barium	ND	0.490	0.980	
Beryllium	ND	0.245	0.980	
Cadmium	ND	0.490	0.980	
Chromium	ND	0.245	0.980	
Cobalt	ND	0.245	0.980	
Copper	ND	0.490	0.980	
Lead	ND	0.490	0.980	
Molybdenum	ND	0.245	0.980	
Nickel	ND	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	ND	0.245	0.980	
Zinc	ND	0.980	0.980	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3A-0.5</b>	<b>18-08-0913-1-A</b>	<b>08/09/18 10:47</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 22:54</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		14.9	1.00		1.00		
<b>B3B-0.5</b>	<b>18-08-0913-4-A</b>	<b>08/09/18 11:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 22:57</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.22	1.00		1.00		
<b>B3C-0.5</b>	<b>18-08-0913-7-A</b>	<b>08/09/18 11:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:12</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.28	1.00		1.00		
<b>B5A-0.5</b>	<b>18-08-0913-10-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:15</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		14.1	1.00		1.00		
<b>B5A-0.5DUP</b>	<b>18-08-0913-11-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:19</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.9	1.00		1.00		
<b>B5B-0.5</b>	<b>18-08-0913-16-A</b>	<b>08/09/18 10:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:22</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.98	1.00		1.00		
<b>B5C-0.5</b>	<b>18-08-0913-19-A</b>	<b>08/09/18 10:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:26</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		12.7	1.00		1.00		
<b>B11A-0.5</b>	<b>18-08-0913-22-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:29</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		36.2	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11A-0.5DUP</b>	<b>18-08-0913-23-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:33</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		16.2	1.00		1.00		
<b>B11B-0.5</b>	<b>18-08-0913-28-A</b>	<b>08/09/18 11:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:37</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		20.0	1.00		1.00		
<b>B11C-0.5</b>	<b>18-08-0913-30-A</b>	<b>08/09/18 12:07</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:40</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.92	1.00		1.00		
<b>B37A-0.5</b>	<b>18-08-0913-33-A</b>	<b>08/09/18 12:22</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 23:44</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.49	1.00		1.00		
<b>B37B-0.5</b>	<b>18-08-0913-36-A</b>	<b>08/09/18 12:37</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/23/18 14:38</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		12.6	5.00		5.00		
<b>B37C-0.5</b>	<b>18-08-0913-39-A</b>	<b>08/09/18 12:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/23/18 14:42</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		30.1	5.00		5.00		
<b>B49A-0.5</b>	<b>18-08-0913-42-A</b>	<b>08/09/18 09:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/23/18 14:45</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		11.8	5.00		5.00		
<b>B49B-0.5</b>	<b>18-08-0913-45-A</b>	<b>08/09/18 09:18</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/23/18 14:49</b>	<b>180819L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		11.9	5.00		5.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49C-0.5</b>	<b>18-08-0913-48-A</b>	<b>08/09/18 09:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/23/18 14:52</b>	<b>180819L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	12.1	5.00	5.00	

<b>Method Blank</b>	<b>099-15-621-1717</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 22:32</b>	<b>180819L02</b>
---------------------	------------------------	------------	--------------	------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
 5261 West Imperial Highway  
 Los Angeles, CA 90045-6231

Date Received: 08/10/18  
 Work Order: 18-08-0913  
 Preparation: EPA 7471A Total  
 Method: EPA 7471A  
 Units: mg/kg

Project: 9836003557

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3A-0.5</b>	<b>18-08-0913-1-A</b>	<b>08/09/18 10:47</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:40</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0877	1.00		
<b>B3B-0.5</b>	<b>18-08-0913-4-A</b>	<b>08/09/18 11:02</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:47</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0862	1.00		
<b>B3C-0.5</b>	<b>18-08-0913-7-A</b>	<b>08/09/18 11:17</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:49</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0862	1.00		
<b>B5A-0.5</b>	<b>18-08-0913-10-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:56</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0806	1.00		
<b>B5A-0.5DUP</b>	<b>18-08-0913-11-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:58</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0847	1.00		
<b>B5B-0.5</b>	<b>18-08-0913-16-A</b>	<b>08/09/18 10:17</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:01</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0813		0.0806	1.00		
<b>B5C-0.5</b>	<b>18-08-0913-19-A</b>	<b>08/09/18 10:32</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:03</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0877	1.00		
<b>B11A-0.5</b>	<b>18-08-0913-22-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/18/18</b>	<b>08/20/18 19:17</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11A-0.5DUP</b>	<b>18-08-0913-23-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/18/18</b>	<b>08/20/18 19:20</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0820	1.00		
<b>B11B-0.5</b>	<b>18-08-0913-28-A</b>	<b>08/09/18 11:52</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:10</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0794	1.00		
<b>B11C-0.5</b>	<b>18-08-0913-30-A</b>	<b>08/09/18 12:07</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:12</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0877	1.00		
<b>B37A-0.5</b>	<b>18-08-0913-33-A</b>	<b>08/09/18 12:22</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:14</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0862	1.00		
<b>B37B-0.5</b>	<b>18-08-0913-36-A</b>	<b>08/09/18 12:37</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:17</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.0948		0.0862	1.00		
<b>B37C-0.5</b>	<b>18-08-0913-39-A</b>	<b>08/09/18 12:52</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:23</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		0.220		0.0806	1.00		
<b>B49A-0.5</b>	<b>18-08-0913-42-A</b>	<b>08/09/18 09:02</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:26</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0862	1.00		
<b>B49B-0.5</b>	<b>18-08-0913-45-A</b>	<b>08/09/18 09:18</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:28</b>	<b>180818L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Mercury		ND		0.0847	1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49C-0.5</b>	<b>18-08-0913-48-A</b>	<b>08/09/18 09:32</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 14:30</b>	<b>180818L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0862	1.00	

<b>Method Blank</b>	<b>099-16-272-4067</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:36</b>	<b>180818L02</b>
---------------------	------------------------	------------	--------------	-------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0833	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 1 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3A-0.5</b>	<b>18-08-0913-1-A</b>	<b>08/09/18 10:47</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 11:33</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	13	5.0	1.00	
4,4'-DDT	21	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	69	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 2 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3B-0.5</b>	<b>18-08-0913-4-A</b>	<b>08/09/18 11:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 11:47</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	117	24-168	
2,4,5,6-Tetrachloro-m-Xylene	108	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 3 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B3C-0.5</b>	<b>18-08-0913-7-A</b>	<b>08/09/18 11:17</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 12:01</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 4 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5A-0.5</b>	<b>18-08-0913-10-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 12:16</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.8	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	20	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 5 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5A-0.5DUP</b>	<b>18-08-0913-11-A</b>	<b>08/09/18 10:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 12:30</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	4.9	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	19	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 6 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5B-0.5</b>	<b>18-08-0913-16-A</b>	<b>08/09/18 10:17</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 12:44</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	9.8	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	17	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 7 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B5C-0.5</b>	<b>18-08-0913-19-A</b>	<b>08/09/18 10:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 12:58</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	13	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 8 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B11A-0.5	18-08-0913-22-A	08/09/18 11:37	Solid	GC 44	08/13/18	08/15/18 13:12	180813L11

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	107	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 9 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11A-0.5DUP</b>	<b>18-08-0913-23-A</b>	<b>08/09/18 11:37</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 13:27</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 10 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11B-0.5</b>	<b>18-08-0913-28-A</b>	<b>08/09/18 11:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 13:41</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	110	25-145	

<b>B11B-0.5</b>	<b>18-08-0913-28-A</b>	<b>08/09/18 11:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 17:40</b>	<b>180813L11</b>
-----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	49	25	5.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	108	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 11 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B11C-0.5</b>	<b>18-08-0913-30-A</b>	<b>08/09/18 12:07</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 13:55</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	25	24-168	
2,4,5,6-Tetrachloro-m-Xylene	26	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 12 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37A-0.5</b>	<b>18-08-0913-33-A</b>	<b>08/09/18 12:22</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 14:10</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 13 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37B-0.5</b>	<b>18-08-0913-36-A</b>	<b>08/09/18 12:37</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 14:24</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 14 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37C-0.5</b>	<b>18-08-0913-39-A</b>	<b>08/09/18 12:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 14:38</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	160	50	1.00	
4,4'-DDD	12	5.0	1.00	
4,4'-DDT	17	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	128	24-168	
2,4,5,6-Tetrachloro-m-Xylene	105	25-145	

<b>B37C-0.5</b>	<b>18-08-0913-39-A</b>	<b>08/09/18 12:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 17:54</b>	<b>180813L11</b>
-----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	310	50	10.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	107	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 15 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49A-0.5</b>	<b>18-08-0913-42-A</b>	<b>08/09/18 09:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 14:52</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 16 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49B-0.5</b>	<b>18-08-0913-45-A</b>	<b>08/09/18 09:18</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 15:07</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	106	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 17 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B49C-0.5</b>	<b>18-08-0913-48-A</b>	<b>08/09/18 09:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/13/18</b>	<b>08/15/18 15:21</b>	<b>180813L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 18 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-2998	N/A	Solid	GC 44	08/13/18	08/15/18 11:04	180813L11

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	107	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B3A-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:33</b>	<b>180818S08</b>				
<b>B3A-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:35</b>	<b>180818S08</b>				
<b>B3A-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:36</b>	<b>180818S08</b>				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	3.038	12	2.836	11	50-115	7	0-20	3
Barium	177.0	25.00	205.9	4X	195.4	4X	75-125	4X	0-20	Q
Beryllium	0.7667	25.00	27.03	105	26.29	102	75-125	3	0-20	
Cadmium	1.723	25.00	30.35	115	29.83	112	75-125	2	0-20	
Chromium	32.03	25.00	60.55	114	59.93	112	75-125	1	0-20	
Cobalt	8.810	25.00	36.95	113	36.39	110	75-125	2	0-20	
Copper	51.98	25.00	74.18	89	74.87	92	75-125	1	0-20	
Lead	21.77	25.00	46.57	99	45.00	93	75-125	3	0-20	
Molybdenum	5.711	25.00	25.01	77	23.69	72	75-125	5	0-20	3
Nickel	40.98	25.00	67.28	105	69.08	112	75-125	3	0-20	
Selenium	3.752	25.00	29.19	102	28.55	99	75-125	2	0-20	
Silver	ND	12.50	13.61	109	13.19	106	75-125	3	0-20	
Thallium	1.961	25.00	27.11	101	26.45	98	75-125	2	0-20	
Vanadium	38.91	25.00	65.45	106	66.99	112	75-125	2	0-20	
Zinc	104.2	25.00	125.5	4X	126.9	4X	75-125	4X	0-20	Q

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B3A-0.5	Sample	Solid	ICP/MS 05	08/19/18	08/20/18 22:54	180819S02				
B3A-0.5	Matrix Spike	Solid	ICP/MS 05	08/19/18	08/20/18 22:39	180819S02				
B3A-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	08/19/18	08/20/18 22:43	180819S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	14.89	25.00	44.16	117	44.98	120	72-132	2	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B3A-0.5	Sample	Solid	Mercury 07	08/18/18	08/18/18 13:40	180818S02				
B3A-0.5	Matrix Spike	Solid	Mercury 07	08/18/18	08/18/18 13:42	180818S02				
B3A-0.5	Matrix Spike Duplicate	Solid	Mercury 07	08/18/18	08/18/18 13:45	180818S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	1.670	1.898	114	1.862	112	71-137	2	0-14	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A

Project: 9836003557

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-0730-1	Sample	Solid	GC 44	08/13/18	08/15/18 11:19	180813S11
18-08-0730-1	Matrix Spike	Solid	GC 44	08/13/18	08/15/18 18:08	180813S11
18-08-0730-1	Matrix Spike Duplicate	Solid	GC 44	08/13/18	08/15/18 18:22	180813S11

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	24.76	99	27.34	109	50-135	10	0-25	
Alpha-BHC	ND	25.00	27.84	111	29.68	119	50-135	6	0-25	
Beta-BHC	ND	25.00	27.74	111	59.36	237	50-135	73	0-25	3,4
4,4'-DDD	16.16	25.00	43.45	109	48.70	130	50-135	11	0-25	
4,4'-DDE	56.60	25.00	83.32	107	84.18	110	50-135	1	0-25	
4,4'-DDT	22.98	25.00	50.88	112	49.19	105	50-135	3	0-25	
Delta-BHC	ND	25.00	26.14	105	28.67	115	50-135	9	0-25	
Dieldrin	ND	25.00	27.42	110	28.51	114	50-135	4	0-25	
Endosulfan I	ND	25.00	25.96	104	27.17	109	50-135	5	0-25	
Endosulfan II	ND	25.00	25.96	104	27.12	108	50-135	4	0-25	
Endosulfan Sulfate	ND	25.00	25.58	102	26.83	107	50-135	5	0-25	
Endrin	ND	25.00	26.34	105	27.05	108	50-135	3	0-25	
Endrin Aldehyde	ND	25.00	23.21	93	24.10	96	50-135	4	0-25	
Gamma-BHC	ND	25.00	25.34	101	26.52	106	50-135	5	0-25	
Heptachlor	ND	25.00	30.68	123	38.62	154	50-135	23	0-25	3
Heptachlor Epoxide	ND	25.00	29.50	118	30.83	123	50-135	4	0-25	
Methoxychlor	ND	25.00	24.52	98	23.84	95	50-135	3	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B3A-0.5	Sample	Solid	ICP/MS 05	08/19/18 00:00	08/20/18 22:54	180819S02	
B3A-0.5	PDS	Solid	ICP/MS 05	08/19/18 00:00	08/20/18 22:47	180819S02	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		14.89	25.00	43.06	113	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26840</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/18/18</b>	<b>08/24/18 23:32</b>	<b>180818L08</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	23.35	93	80-120	73-127	
Barium	25.00	27.41	110	80-120	73-127	
Beryllium	25.00	24.70	99	80-120	73-127	
Cadmium	25.00	25.01	100	80-120	73-127	
Chromium	25.00	25.48	102	80-120	73-127	
Cobalt	25.00	25.00	100	80-120	73-127	
Copper	25.00	24.95	100	80-120	73-127	
Lead	25.00	27.11	108	80-120	73-127	
Molybdenum	25.00	24.98	100	80-120	73-127	
Nickel	25.00	24.90	100	80-120	73-127	
Selenium	25.00	23.82	95	80-120	73-127	
Silver	12.50	12.22	98	80-120	73-127	
Thallium	25.00	25.49	102	80-120	73-127	
Vanadium	25.00	24.57	98	80-120	73-127	
Zinc	25.00	23.76	95	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass


  
Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1717</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/19/18</b>	<b>08/20/18 22:36</b>	<b>180819L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	26.60	106	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4067</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 07</b>	<b>08/18/18</b>	<b>08/18/18 13:38</b>	<b>180818L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.8584	103	85-121	

[Return to Contents](#)

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3545  
Method: EPA 8081A

Project: 9836003557

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2998	LCS	Solid	GC 44	08/13/18	08/15/18 15:51	180813L11
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	26.23	105	50-135	36-149	
Alpha-BHC	25.00	27.46	110	50-135	36-149	
Beta-BHC	25.00	26.26	105	50-135	36-149	
4,4'-DDD	25.00	24.90	100	50-135	36-149	
4,4'-DDE	25.00	26.11	104	50-135	36-149	
4,4'-DDT	25.00	24.32	97	50-135	36-149	
Delta-BHC	25.00	27.65	111	50-135	36-149	
Dieldrin	25.00	25.64	103	50-135	36-149	
Endosulfan I	25.00	26.00	104	50-135	36-149	
Endosulfan II	25.00	24.85	99	50-135	36-149	
Endosulfan Sulfate	25.00	23.52	94	50-135	36-149	
Endrin	25.00	24.42	98	50-135	36-149	
Endrin Aldehyde	25.00	23.12	92	50-135	36-149	
Gamma-BHC	25.00	27.49	110	50-135	36-149	
Heptachlor	25.00	27.82	111	50-135	36-149	
Heptachlor Epoxide	25.00	26.46	106	50-135	36-149	
Methoxychlor	25.00	23.14	93	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Sample Analysis Summary Report

Work Order: 18-08-0913

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	110	ICP 8300	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7471A	EPA 7471A Total	868	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1
EPA 8081A	EPA 3545	669	GC 44	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-08-0913

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, August 13, 2018 7:36 AM  
**To:** Stephen Nowak  
**Subject:** 5461 Winnetka (Taft)

EXTERNAL EMAIL\*

Steve,

ALL of the samples that were submitted on Friday for Taft were erroneously submitted for analysis. Please only analyze all samples with "0.5" in the sample ID (including duplicate samples) for analysis and place the remaining samples on hold. Thank you.

Sent from my iPhone

\* WARNING - EXTERNAL: This email originated from outside of Eurofins. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!











## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EF1DATE: 08/10/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2-9 °C (w/ CF): 2-4 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 78

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 78s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 101

# SAMPLE ANOMALY REPORT

DATE: **08/10/2018**

## SAMPLES, CONTAINERS, AND LABELS:

- ☒ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
  - ☐ Project information
- ☒ Client sample ID
  - ☒ Sampling date and/or time
- ☒ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(19) not received.  
\*(18) received 2 containers

Collection time per label

(-4) 11:05  
(-20) 10:35  
(-38) 12:40  
(-50) 09:35

\*\* labeled as.

(-34) B37-1.5, date and time matched.  
(-35) B37-3 "  
\*(1-39) B37-0.5, 08/09/18. (a) 1352

## Comments

Comments: \_\_\_\_\_

Reported by: **778**  
Reviewed by: **1017**

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.



**Calscience**

## Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-08-0913

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** 9836003557

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 09/18/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: 9836003557  
Work Order Number: 18-08-0913

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 6010B ICP Metals (Solid). . . . .	6
	4.2 EPA 6010B STLC ICP Metals (Aqueous). . . . .	7
5	Quality Control Sample Data. . . . .	8
	5.1 MS/MSD. . . . .	8
	5.2 LCS/LCSD. . . . .	10
6	Sample Analysis Summary. . . . .	12
7	Glossary of Terms and Qualifiers. . . . .	13
8	Chain-of-Custody/Sample Receipt Form. . . . .	14

**Work Order Narrative**

Work Order: 18-08-0913

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 08/10/18. They were assigned to Work Order 18-08-0913.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client: EFI Global Inc.	Work Order:	18-08-0913
5261 West Imperial Highway	Project Name:	9836003557
Los Angeles, CA 90045-6231	PO Number:	
	Date/Time Received:	08/10/18 18:30
	Number of Containers:	50

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B37C-0.5	18-08-0913-39	08/09/18 12:52	1	Solid
B37C-1.5	18-08-0913-40	08/09/18 12:55	1	Solid
B37C-3	18-08-0913-41	08/09/18 13:00	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-0913  
Project Name: 9836003557  
Received: 08/10/18

Attn: Desi Salgado

Page 1 of 1

### Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
B37C-0.5 (18-08-0913-39)						
Lead	4.38		0.100	mg/L	EPA 6010B	T22.11.5. All
B37C-1.5 (18-08-0913-40)						
Lead	12.1		0.476	mg/kg	EPA 6010B	EPA 3050B
B37C-3 (18-08-0913-41)						
Lead	13.1		0.510	mg/kg	EPA 6010B	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37C-1.5</b>	<b>18-08-0913-40-A</b>	<b>08/09/18 12:55</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/17/18</b>	<b>09/17/18 19:43</b>	<b>180917L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		12.1		0.476		0.952	
<b>B37C-3</b>	<b>18-08-0913-41-A</b>	<b>08/09/18 13:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/17/18</b>	<b>09/17/18 19:44</b>	<b>180917L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		13.1		0.510		1.02	
<b>Method Blank</b>	<b>097-01-002-26973</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/17/18</b>	<b>09/17/18 18:23</b>	<b>180917L01</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		ND		0.508		1.02	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B37C-0.5</b>	<b>18-08-0913-39-A</b>	<b>08/09/18 12:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/11/18</b>	<b>09/15/18 01:44</b>	<b>180913LA1</b>

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	4.38	0.100	1.00	

<b>Method Blank</b>	<b>097-05-006-9733</b>	<b>N/A</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>09/11/18</b>	<b>09/13/18 16:53</b>	<b>180913LA1</b>
---------------------	------------------------	------------	----------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	ND	0.100	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-09-0574-1	Sample	Solid	ICP 8300	09/17/18	09/17/18 18:12	180917S01
18-09-0574-1	Matrix Spike	Solid	ICP 8300	09/17/18	09/17/18 18:13	180917S01
18-09-0574-1	Matrix Spike Duplicate	Solid	ICP 8300	09/17/18	09/17/18 18:15	180917S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	1.185	25.00	27.62	106	28.31	108	75-125	2	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: 9836003557

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-09-0588-1	Sample	Solid	ICP 8300	09/11/18	09/13/18 16:56	180913SA1
18-09-0588-1	Matrix Spike	Solid	ICP 8300	09/11/18	09/13/18 16:58	180913SA1
18-09-0588-1	Matrix Spike Duplicate	Solid	ICP 8300	09/11/18	09/13/18 16:59	180913SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.752	115	5.685	114	75-125	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26973</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/17/18</b>	<b>09/17/18 18:24</b>	<b>180917L01</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	25.00	26.85	107	80-120	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/10/18  
Work Order: 18-08-0913  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: 9836003557

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-05-006-9733</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>09/11/18</b>	<b>09/13/18 16:55</b>	<b>180913LA1</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	5.000	5.095	102	80-120	

  
Return to Contents

## Sample Analysis Summary Report

Work Order: 18-08-0913

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	110	ICP 8300	1
EPA 6010B	T22.11.5. All	771	ICP 8300	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-08-0913

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

**Stephen Nowak**

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, September 10, 2018 1:46 PM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL \*

Steve,

Please run the following samples for lead STLC analysis:

B37C-0.5  
B43-0.5  
B65-0.5

Additionally, please run the following samples for lead by 6010B:

B37C-1.5  
B37C-3

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
EFI Global, Inc.  
Los Angeles, CA  
DIRECT 310.854.6300 | FAX 310.854.0199  
CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®



---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Wednesday, September 05, 2018 4:24 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak  
Project Manager



Eurofins Calscience, LLC

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, August 13, 2018 7:36 AM  
**To:** Stephen Nowak  
**Subject:** 5461 Winnetka (Taft)

EXTERNAL EMAIL\*

Steve,

ALL of the samples that were submitted on Friday for Taft were erroneously submitted for analysis. Please only analyze all samples with "0.5" in the sample ID (including duplicate samples) for analysis and place the remaining samples on hold. Thank you.

Sent from my iPhone

\* WARNING - EXTERNAL: This email originated from outside of Eurofins. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!











## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EF1DATE: 08/10/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2-9 °C (w/ CF): 2-4 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 78

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(Trip Blank Lot Number: \_\_\_\_\_)

## CONTAINER TYPE:

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 78s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 101

# SAMPLE ANOMALY REPORT

DATE: **08/10/2018**

## SAMPLES, CONTAINERS, AND LABELS:

- ☒ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
  - ☐ Project information
- ☒ Client sample ID
  - ☒ Sampling date and/or time
- ☒ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(19) not received.  
\*(18) received 2 containers

Collection time per label

(-4) 11:05

(-20) 10:35

(-38) 12:40

(-50) 09:35

\*\* labeled as.

(-34) B37-1.5, date and time matched.

(-35) B37-3 "

\*(-39) B37-0.5, 08/09/18. (a) 1352

## Comments

Comments: \_\_\_\_\_

Reported by: **778**

Reviewed by: **1017**

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.



**WORK ORDER NUMBER: 18-08-1130**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** 9836003557

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

A handwritten signature in black ink, appearing to read "Stephen Nowak".

Approved for release on 08/31/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: 9836003557

Work Order Number: 18-08-1130

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	6
4	Client Sample Data. . . . .	20
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	20
	4.2 EPA 6010B/7470A CAC Title 22 Metals (Aqueous). . . . .	35
	4.3 EPA 6020 ICP/MS Metals (Aqueous). . . . .	37
	4.4 EPA 6020 ICP/MS Metals (Solid). . . . .	38
	4.5 EPA 7470A Mercury (Aqueous). . . . .	42
	4.6 EPA 7471A Mercury (Solid). . . . .	43
	4.7 EPA 8081A Organochlorine Pesticides (Solid). . . . .	47
	4.8 EPA 8081A Organochlorine Pesticides (Aqueous). . . . .	76
	4.9 EPA 8082 PCB Aroclors (Solid). . . . .	78
5	Quality Control Sample Data. . . . .	80
	5.1 MS/MSD. . . . .	80
	5.2 PDS/PDSD. . . . .	93
	5.3 LCS/LCSD. . . . .	96
6	Sample Analysis Summary. . . . .	110
7	Glossary of Terms and Qualifiers. . . . .	111
8	Chain-of-Custody/Sample Receipt Form. . . . .	112

**Work Order Narrative**

Work Order: 18-08-1130

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 08/14/18. They were assigned to Work Order 18-08-1130.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order:	18-08-1130
5261 West Imperial Highway	Project Name:	9836003557
Los Angeles, CA 90045-6231	PO Number:	
	Date/Time Received:	08/14/18 18:30
	Number of Containers:	83

Attn: Desi Salgado

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B41A-0.5	18-08-1130-1	08/13/18 07:42	1	Solid
B41A-0.5 DUP	18-08-1130-2	08/13/18 07:42	1	Solid
B41A-1.5	18-08-1130-3	08/13/18 07:45	1	Solid
B41A-1.5 DUP	18-08-1130-4	08/13/18 07:45	1	Solid
B41A-3	18-08-1130-5	08/13/18 07:50	1	Solid
B41A-3 DUP	18-08-1130-6	08/13/18 07:50	1	Solid
B41B-0.5	18-08-1130-7	08/13/18 07:57	1	Solid
B41B-1.5	18-08-1130-8	08/13/18 08:00	1	Solid
B41B-3	18-08-1130-9	08/13/18 08:05	1	Solid
B41C-0.5	18-08-1130-10	08/13/18 08:12	1	Solid
B41C-1.5	18-08-1130-11	08/13/18 08:15	1	Solid
B41C-3	18-08-1130-12	08/13/18 08:20	1	Solid
B43A-0.5	18-08-1130-13	08/13/18 08:52	1	Solid
B43A-1.5	18-08-1130-14	08/13/18 08:55	1	Solid
B43A-3	18-08-1130-15	08/13/18 09:00	1	Solid
B43B-0.5	18-08-1130-16	08/13/18 08:37	1	Solid
B43B-1.5	18-08-1130-17	08/13/18 08:40	1	Solid
B43B-3	18-08-1130-18	08/13/18 08:45	1	Solid
B43C-0.5	18-08-1130-19	08/13/18 09:07	1	Solid
B43-1.5	18-08-1130-20	08/13/18 09:10	1	Solid
B43C-3	18-08-1130-21	08/13/18 09:15	1	Solid
B50-0.5	18-08-1130-22	08/13/18 09:17	1	Solid
B50-1.5	18-08-1130-23	08/13/18 09:20	1	Solid
B50-3	18-08-1130-24	08/13/18 09:25	1	Solid
B51-0.5	18-08-1130-25	08/13/18 09:32	1	Solid
B51-0.5 DUP	18-08-1130-26	08/13/18 09:32	1	Solid
B51-1.5	18-08-1130-27	08/13/18 09:35	1	Solid
B51-1.5 DUP	18-08-1130-28	08/13/18 09:35	1	Solid
B51-3	18-08-1130-29	08/13/18 09:40	1	Solid
B51-3 DUP	18-08-1130-30	08/13/18 09:40	1	Solid
B52-0.5	18-08-1130-31	08/13/18 09:47	1	Solid
B52-1.5	18-08-1130-32	08/13/18 09:50	1	Solid
B52-3	18-08-1130-33	08/13/18 09:55	1	Solid
B53-0.5	18-08-1130-34	08/13/18 09:57	1	Solid
B53-1.5	18-08-1130-35	08/13/18 10:00	1	Solid
B54-0.5	18-08-1130-36	08/13/18 10:07	1	Solid
B54-1.5	18-08-1130-37	08/13/18 10:10	1	Solid
B54-3	18-08-1130-38	08/13/18 10:15	1	Solid
B55-0.5	18-08-1130-39	08/13/18 10:22	1	Solid
B55-1.5	18-08-1130-40	08/13/18 10:25	1	Solid
B55-3	18-08-1130-41	08/13/18 10:30	1	Solid
B56-0.5	18-08-1130-42	08/13/18 10:37	1	Solid

[Return to Contents](#)



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-08-1130
5261 West Imperial Highway	Project Name: 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 08/14/18 18:30
	Number of Containers: 83
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B56-1.5	18-08-1130-43	08/13/18 10:40	1	Solid
B56-3	18-08-1130-44	08/13/18 10:45	1	Solid
B57-0.5	18-08-1130-45	08/13/18 10:52	1	Solid
B57-1.5	18-08-1130-46	08/13/18 10:55	1	Solid
B57-3	18-08-1130-47	08/13/18 11:00	1	Solid
B58-0.5	18-08-1130-48	08/13/18 12:22	1	Solid
B58-1.5	18-08-1130-49	08/13/18 12:25	1	Solid
B58-3	18-08-1130-50	08/13/18 12:30	1	Solid
B59-0.5	18-08-1130-51	08/13/18 13:02	1	Solid
B59-1.5	18-08-1130-52	08/13/18 13:05	1	Solid
B59-3	18-08-1130-53	08/13/18 13:10	1	Solid
B60-0.5	18-08-1130-54	08/13/18 13:17	1	Solid
B60-0.5 DUP	18-08-1130-55	08/13/18 13:17	1	Solid
B60-1.5	18-08-1130-56	08/13/18 13:20	1	Solid
B60-1.5 DUP	18-08-1130-57	08/13/18 13:20	1	Solid
B60-3	18-08-1130-58	08/13/18 13:25	1	Solid
B60-3 DUP	18-08-1130-59	08/13/18 13:25	1	Solid
B61-0.5	18-08-1130-60	08/13/18 13:32	1	Solid
B61-1.5	18-08-1130-61	08/13/18 13:35	1	Solid
B61-3	18-08-1130-62	08/13/18 13:40	1	Solid
B62-0.5	18-08-1130-63	08/13/18 13:47	1	Solid
B63-0.5	18-08-1130-64	08/13/18 14:02	1	Solid
B63-1.5	18-08-1130-65	08/13/18 14:05	1	Solid
B64-0.5	18-08-1130-66	08/13/18 14:17	1	Solid
B64-1.5	18-08-1130-67	08/13/18 14:20	1	Solid
B64-3	18-08-1130-68	08/13/18 14:25	1	Solid
B65-0.5	18-08-1130-69	08/13/18 14:32	1	Solid
B65-1.5	18-08-1130-70	08/13/18 14:35	1	Solid
B65-3	18-08-1130-71	08/13/18 14:40	1	Solid
B66-0.5	18-08-1130-72	08/13/18 14:47	1	Solid
B66-1.5	18-08-1130-73	08/13/18 14:50	1	Solid
B66-3	18-08-1130-74	08/13/18 14:55	1	Solid
B67-0.5	18-08-1130-75	08/13/18 15:02	1	Solid
B67-1.5	18-08-1130-76	08/13/18 15:05	1	Solid
B67-3	18-08-1130-77	08/13/18 15:10	1	Solid
EB-3	18-08-1130-78	08/13/18 16:00	3	Aqueous
TB-1	18-08-1130-79	08/13/18 00:00	3	Aqueous

[Return to Contents](#)



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 1 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B41A-0.5 (18-08-1130-1)						
Barium	126		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.631		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.37		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.4		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.7		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	40.3		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	10.9		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	11.3		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	34.5		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	8.35		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.10		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.0		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	96.9		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.92		1.00	mg/kg	EPA 6020	EPA 3050B
B41A-0.5 DUP (18-08-1130-2)						
Barium	132		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.643		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.42		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.9		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.8		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	43.5		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	11.0		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	12.1		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	37.6		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	6.33		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.93		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.0		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	99.6		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.24		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDT	5.7		4.9	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 2 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B41B-0.5 (18-08-1130-7)						
Barium	147		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.590		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.29		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.2		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.2		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	39.2		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	14.1		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.56		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.7		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.89		0.743	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.23		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.2		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	116		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.89		5.00	mg/kg	EPA 6020	EPA 3050B
B41C-0.5 (18-08-1130-10)						
Barium	108		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.479		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.12		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.08		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	24.4		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	6.29		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.30		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	32.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	3.87		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.58		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.0		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	73.0		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.46		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 3 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B43A-0.5 (18-08-1130-13)						
Barium	168		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.618		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.53		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.1		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.69		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	37.4		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	40.0		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.46		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.7		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.25		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.32		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.0		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	133		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	21.4		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.168		0.0794	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	110		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	14		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	10		5.0	ug/kg	EPA 8081A	EPA 3545
B43B-0.5 (18-08-1130-16)						
Barium	169		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.618		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.52		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.2		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.71		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	37.3		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	40.3		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.51		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.9		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.40		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.37		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.1		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	134		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	11.3		5.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0821		0.0794	mg/kg	EPA 7471A	EPA 7471A Total
4,4'-DDE	16		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	31		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 4 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B43C-0.5 (18-08-1130-19)						
Barium	154		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.605		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.10		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	45.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.07		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	23.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	36.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.23		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.37		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	114		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.20		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	50		49	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	11		4.9	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	14		4.9	ug/kg	EPA 8081A	EPA 3545
Dieldrin	12		4.9	ug/kg	EPA 8081A	EPA 3545
B50-0.5 (18-08-1130-22)						
Barium	171		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.721		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.82		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.6		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.24		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	30.5		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	12.9		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.78		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	33.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.49		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.4		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	87.0		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.06		1.00	mg/kg	EPA 6020	EPA 3050B
Mercury	0.0961		0.0820	mg/kg	EPA 7471A	EPA 7471A Total
Chlordane	160		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	19		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	13		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 5 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B51-0.5 (18-08-1130-25)						
Barium	162		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.661		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.48		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.7		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.70		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	25.1		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	7.76		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.22		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.3		0.248	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.21		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.2		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	64.3		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.30		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	7.0		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	5.6		5.0	ug/kg	EPA 8081A	EPA 3545
B51-0.5 DUP (18-08-1130-26)						
Barium	163		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.718		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.52		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	31.3		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.58		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	27.8		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	6.82		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.90		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.52		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.7		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.6		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.34		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	11		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	6.9		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 6 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B52-0.5 (18-08-1130-31)						
Barium	173		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.627		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.81		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.11		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	30.9		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	18.4		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.59		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.3		0.246	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.36		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.3		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	93.3		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	17.0		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	130		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	33		5.0	ug/kg	EPA 8081A	EPA 3545
B53-0.5 (18-08-1130-34)						
Barium	187		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.739		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.78		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.9		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.56		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	42.5		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	11.9		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.15		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.2		0.251	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.14		0.754	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.37		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.6		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	125		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.64		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	81		50	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 7 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B54-0.5 (18-08-1130-36)						
Barium	178		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.738		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.02		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.52		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	38.5		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	10.5		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.05		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	40.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.38		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.65		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	43.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	153		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.23		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	19		4.9	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	5.3		4.9	ug/kg	EPA 8081A	EPA 3545
B55-0.5 (18-08-1130-39)						
Barium	52.1		0.503	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.583		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	10.9		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	2.02		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	8.35		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	2.06		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.29		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	10.4		0.251	mg/kg	EPA 6010B	EPA 3050B
Vanadium	13.2		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	29.5		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	1.64		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 8 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B56-0.5 (18-08-1130-42)						
Barium	174		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.664		0.254	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.60		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.9		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.67		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	27.6		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	16.5		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.59		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	27.8		0.254	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.33		0.761	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.42		0.761	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.3		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	114		1.02	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.42		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	8.1		5.0	ug/kg	EPA 8081A	EPA 3545
B57-0.5 (18-08-1130-45)						
Barium	159		0.495	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.605		0.248	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.22		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.3		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.72		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	32.3		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	5.48		0.495	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.97		0.248	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.9		0.248	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.93		0.743	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.26		0.743	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.8		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	69.0		0.990	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.43		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 9 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B58-0.5 (18-08-1130-48)						
Barium	153		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.598		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.21		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.9		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.71		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	27.6		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	28.2		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.54		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.3		0.251	mg/kg	EPA 6010B	EPA 3050B
Thallium	2.31		0.754	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.2		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	74.4		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.61		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	240		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	29		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	8.8		5.0	ug/kg	EPA 8081A	EPA 3545
B59-0.5 (18-08-1130-51)						
Barium	164		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.716		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.60		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.3		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.67		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	32.8		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	4.61		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.11		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	36.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.76		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.36		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.8		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	75.8		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.79		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 10 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B60-0.5 (18-08-1130-54)						
Barium	149		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.662		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.71		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.0		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.35		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	32.9		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	6.42		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	6.29		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	39.0		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.39		0.746	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.33		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.8		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	76.1		0.995	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.80		1.00	mg/kg	EPA 6020	EPA 3050B
B60-0.5 DUP (18-08-1130-55)						
Barium	176		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.755		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.22		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	37.2		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.79		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	39.2		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	7.85		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.33		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	53.8		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	2.65		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.38		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	46.0		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	90.3		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.7		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 11 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B61-0.5 (18-08-1130-60)						
Barium	190		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.824		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.07		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	35.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.83		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	38.2		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	87.6		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.87		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.1		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.08		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.50		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	50.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	151		1.01	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.24		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	710		49	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	560		250	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	590		250	ug/kg	EPA 8081A	EPA 3545
Dieldrin	9.3		4.9	ug/kg	EPA 8081A	EPA 3545
B62-0.5 (18-08-1130-63)						
Barium	147		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.607		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.28		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.41		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	28.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	46.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.16		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	27.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.72		0.750	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.49		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	201		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.32		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDD	5.1		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	97		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	35		5.0	ug/kg	EPA 8081A	EPA 3545
Dieldrin	6.6		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 12 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B63-0.5 (18-08-1130-64)						
Barium	201		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.754		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.67		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.90		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	35.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	57.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.01		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.826		0.750	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.57		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	46.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	172		1.00	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.91		5.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	69		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	460		250	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	410		250	ug/kg	EPA 8081A	EPA 3545
B64-0.5 (18-08-1130-66)						
Barium	179		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.745		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.64		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.8		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.56		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	22.4		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	5.54		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.55		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	28.5		0.246	mg/kg	EPA 6010B	EPA 3050B
Selenium	0.885		0.739	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.87		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	46.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	58.8		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.42		5.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 13 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B65-0.5 (18-08-1130-69)						
Barium	195		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.739		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.88		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.9		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.37		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	34.4		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	20.7		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.84		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.8		0.246	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.54		0.739	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.40		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	46.6		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	95.6		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.34		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDD	12		4.9	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	79		49	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	14		4.9	ug/kg	EPA 8081A	EPA 3545
B66-0.5 (18-08-1130-72)						
Barium	185		0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.701		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.45		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.95		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	32.2		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	6.96		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.37		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.5		0.246	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.39		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.9		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	61.4		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.83		5.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 14 of 14

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B67-0.5 (18-08-1130-75)						
Barium	190	B	0.493	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.747		0.246	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.61		0.493	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.1		0.246	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.36		0.246	mg/kg	EPA 6010B	EPA 3050B
Copper	28.2		0.493	mg/kg	EPA 6010B	EPA 3050B
Lead	7.35		0.493	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.32		0.246	mg/kg	EPA 6010B	EPA 3050B
Nickel	34.4		0.246	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.49		0.739	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.0		0.246	mg/kg	EPA 6010B	EPA 3050B
Zinc	67.6		0.985	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.95		1.00	mg/kg	EPA 6020	EPA 3050B
EB-3 (18-08-1130-78)						
Barium	0.0185		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Arsenic	0.00509		0.00100	mg/L	EPA 6020	EPA 3020A Total

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 1 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41A-0.5</b>	<b>18-08-1130-1-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 11:36</b>	<b>180820L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	126	0.503	1.01	
Beryllium	0.631	0.251	1.01	
Cadmium	1.37	0.503	1.01	
Chromium	30.4	0.251	1.01	
Cobalt	12.7	0.251	1.01	
Copper	40.3	0.503	1.01	
Lead	10.9	0.503	1.01	
Molybdenum	11.3	0.251	1.01	
Nickel	34.5	0.251	1.01	
Selenium	8.35	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	2.10	0.754	1.01	
Vanadium	41.0	0.251	1.01	
Zinc	96.9	1.01	1.01	

<b>B41A-0.5 DUP</b>	<b>18-08-1130-2-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 11:37</b>	<b>180820L07</b>
---------------------	-----------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	132	0.505	1.01	
Beryllium	0.643	0.253	1.01	
Cadmium	1.42	0.505	1.01	
Chromium	30.9	0.253	1.01	
Cobalt	11.8	0.253	1.01	
Copper	43.5	0.505	1.01	
Lead	11.0	0.505	1.01	
Molybdenum	12.1	0.253	1.01	
Nickel	37.6	0.253	1.01	
Selenium	6.33	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.93	0.758	1.01	
Vanadium	40.0	0.253	1.01	
Zinc	99.6	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 2 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41B-0.5</b>	<b>18-08-1130-7-A</b>	<b>08/13/18 07:57</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 11:39</b>	<b>180820L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	147	0.495	0.990	
Beryllium	0.590	0.248	0.990	
Cadmium	1.29	0.495	0.990	
Chromium	32.2	0.248	0.990	
Cobalt	10.2	0.248	0.990	
Copper	39.2	0.495	0.990	
Lead	14.1	0.495	0.990	
Molybdenum	5.56	0.248	0.990	
Nickel	31.7	0.248	0.990	
Selenium	3.89	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	2.23	0.743	0.990	
Vanadium	42.2	0.248	0.990	
Zinc	116	0.990	0.990	

<b>B41C-0.5</b>	<b>18-08-1130-10-A</b>	<b>08/13/18 08:12</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 11:40</b>	<b>180820L07</b>
-----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	108	0.505	1.01	
Beryllium	0.479	0.253	1.01	
Cadmium	1.12	0.505	1.01	
Chromium	18.5	0.253	1.01	
Cobalt	9.08	0.253	1.01	
Copper	24.4	0.505	1.01	
Lead	6.29	0.505	1.01	
Molybdenum	5.30	0.253	1.01	
Nickel	32.7	0.253	1.01	
Selenium	3.87	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.58	0.758	1.01	
Vanadium	32.0	0.253	1.01	
Zinc	73.0	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 3 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43A-0.5</b>	<b>18-08-1130-13-A</b>	<b>08/13/18 08:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 11:42</b>	<b>180820L07</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	168	0.498	0.995	
Beryllium	0.618	0.249	0.995	
Cadmium	1.53	0.498	0.995	
Chromium	28.1	0.249	0.995	
Cobalt	7.69	0.249	0.995	
Copper	37.4	0.498	0.995	
Lead	40.0	0.498	0.995	
Molybdenum	4.46	0.249	0.995	
Nickel	29.7	0.249	0.995	
Selenium	1.25	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.32	0.746	0.995	
Vanadium	40.0	0.249	0.995	
Zinc	133	0.995	0.995	

<b>B43B-0.5</b>	<b>18-08-1130-16-A</b>	<b>08/13/18 08:37</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 11:43</b>	<b>180820L07</b>
-----------------	------------------------	---------------------------	--------------	-----------------	-----------------	---------------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	169	0.498	0.995	
Beryllium	0.618	0.249	0.995	
Cadmium	1.52	0.498	0.995	
Chromium	28.2	0.249	0.995	
Cobalt	7.71	0.249	0.995	
Copper	37.3	0.498	0.995	
Lead	40.3	0.498	0.995	
Molybdenum	4.51	0.249	0.995	
Nickel	29.9	0.249	0.995	
Selenium	1.40	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.37	0.746	0.995	
Vanadium	40.1	0.249	0.995	
Zinc	134	0.995	0.995	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 4 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43C-0.5</b>	<b>18-08-1130-19-A</b>	<b>08/13/18 09:07</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:45</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	154	0.500	1.00	
Beryllium	0.605	0.250	1.00	
Cadmium	1.10	0.500	1.00	
Chromium	45.7	0.250	1.00	
Cobalt	7.07	0.250	1.00	
Copper	23.3	0.500	1.00	
Lead	36.5	0.500	1.00	
Molybdenum	2.23	0.250	1.00	
Nickel	22.6	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.37	0.750	1.00	
Vanadium	38.2	0.250	1.00	
Zinc	114	1.00	1.00	

<b>B50-0.5</b>	<b>18-08-1130-22-A</b>	<b>08/13/18 09:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:31</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	171	0.493	0.985	
Beryllium	0.721	0.246	0.985	
Cadmium	1.82	0.493	0.985	
Chromium	30.6	0.246	0.985	
Cobalt	9.24	0.246	0.985	
Copper	30.5	0.493	0.985	
Lead	12.9	0.493	0.985	
Molybdenum	3.78	0.246	0.985	
Nickel	33.0	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.49	0.739	0.985	
Vanadium	45.4	0.246	0.985	
Zinc	87.0	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 5 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B51-0.5</b>	<b>18-08-1130-25-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:49</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	162	0.495	0.990	
Beryllium	0.661	0.248	0.990	
Cadmium	1.48	0.495	0.990	
Chromium	27.7	0.248	0.990	
Cobalt	8.70	0.248	0.990	
Copper	25.1	0.495	0.990	
Lead	7.76	0.495	0.990	
Molybdenum	3.22	0.248	0.990	
Nickel	30.3	0.248	0.990	
Selenium	ND	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	1.21	0.743	0.990	
Vanadium	40.2	0.248	0.990	
Zinc	64.3	0.990	0.990	

<b>B51-0.5 DUP</b>	<b>18-08-1130-26-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:51</b>	<b>180821L01</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	163	0.498	0.995	
Beryllium	0.718	0.249	0.995	
Cadmium	1.52	0.498	0.995	
Chromium	31.3	0.249	0.995	
Cobalt	7.58	0.249	0.995	
Copper	27.8	0.498	0.995	
Lead	6.82	0.498	0.995	
Molybdenum	3.90	0.249	0.995	
Nickel	31.4	0.249	0.995	
Selenium	ND	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.52	0.746	0.995	
Vanadium	44.7	0.249	0.995	
Zinc	68.6	0.995	0.995	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 6 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52-0.5</b>	<b>18-08-1130-31-A</b>	<b>08/13/18 09:47</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:53</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	173	0.493	0.985	
Beryllium	0.627	0.246	0.985	
Cadmium	1.81	0.493	0.985	
Chromium	28.1	0.246	0.985	
Cobalt	9.11	0.246	0.985	
Copper	30.9	0.493	0.985	
Lead	18.4	0.493	0.985	
Molybdenum	1.59	0.246	0.985	
Nickel	29.3	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.36	0.739	0.985	
Vanadium	40.3	0.246	0.985	
Zinc	93.3	0.985	0.985	

<b>B53-0.5</b>	<b>18-08-1130-34-A</b>	<b>08/13/18 09:57</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:54</b>	<b>180821L01</b>
----------------	------------------------	---------------------------	--------------	-----------------	-----------------	---------------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	187	0.503	1.01	
Beryllium	0.739	0.251	1.01	
Cadmium	1.78	0.503	1.01	
Chromium	30.9	0.251	1.01	
Cobalt	8.56	0.251	1.01	
Copper	42.5	0.503	1.01	
Lead	11.9	0.503	1.01	
Molybdenum	4.15	0.251	1.01	
Nickel	35.2	0.251	1.01	
Selenium	1.14	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	1.37	0.754	1.01	
Vanadium	45.6	0.251	1.01	
Zinc	125	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 7 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B54-0.5</b>	<b>18-08-1130-36-A</b>	<b>08/13/18 10:07</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:56</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	178	0.505	1.01	
Beryllium	0.738	0.253	1.01	
Cadmium	2.02	0.505	1.01	
Chromium	34.7	0.253	1.01	
Cobalt	8.52	0.253	1.01	
Copper	38.5	0.505	1.01	
Lead	10.5	0.505	1.01	
Molybdenum	6.05	0.253	1.01	
Nickel	40.7	0.253	1.01	
Selenium	1.38	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.65	0.758	1.01	
Vanadium	43.7	0.253	1.01	
Zinc	153	1.01	1.01	

<b>B55-0.5</b>	<b>18-08-1130-39-A</b>	<b>08/13/18 10:22</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:57</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	52.1	0.503	1.01	
Beryllium	ND	0.251	1.01	
Cadmium	0.583	0.503	1.01	
Chromium	10.9	0.251	1.01	
Cobalt	2.02	0.251	1.01	
Copper	8.35	0.503	1.01	
Lead	2.06	0.503	1.01	
Molybdenum	1.29	0.251	1.01	
Nickel	10.4	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	13.2	0.251	1.01	
Zinc	29.5	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 8 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B56-0.5</b>	<b>18-08-1130-42-A</b>	<b>08/13/18 10:37</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:59</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.761	1.02	
Barium	174	0.508	1.02	
Beryllium	0.664	0.254	1.02	
Cadmium	1.60	0.508	1.02	
Chromium	25.9	0.254	1.02	
Cobalt	6.67	0.254	1.02	
Copper	27.6	0.508	1.02	
Lead	16.5	0.508	1.02	
Molybdenum	2.59	0.254	1.02	
Nickel	27.8	0.254	1.02	
Selenium	1.33	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	1.42	0.761	1.02	
Vanadium	37.3	0.254	1.02	
Zinc	114	1.02	1.02	

<b>B57-0.5</b>	<b>18-08-1130-45-A</b>	<b>08/13/18 10:52</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:00</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.743	0.990	
Barium	159	0.495	0.990	
Beryllium	0.605	0.248	0.990	
Cadmium	1.22	0.495	0.990	
Chromium	28.3	0.248	0.990	
Cobalt	7.72	0.248	0.990	
Copper	32.3	0.495	0.990	
Lead	5.48	0.495	0.990	
Molybdenum	7.97	0.248	0.990	
Nickel	31.9	0.248	0.990	
Selenium	1.93	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	1.26	0.743	0.990	
Vanadium	38.8	0.248	0.990	
Zinc	69.0	0.990	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 9 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B58-0.5</b>	<b>18-08-1130-48-A</b>	<b>08/13/18 12:22</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:02</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Barium	153	0.503	1.01	
Beryllium	0.598	0.251	1.01	
Cadmium	1.21	0.503	1.01	
Chromium	24.9	0.251	1.01	
Cobalt	8.71	0.251	1.01	
Copper	27.6	0.503	1.01	
Lead	28.2	0.503	1.01	
Molybdenum	1.54	0.251	1.01	
Nickel	23.3	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	2.31	0.754	1.01	
Vanadium	40.2	0.251	1.01	
Zinc	74.4	1.01	1.01	

<b>B59-0.5</b>	<b>18-08-1130-51-A</b>	<b>08/13/18 13:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:03</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	164	0.505	1.01	
Beryllium	0.716	0.253	1.01	
Cadmium	1.60	0.505	1.01	
Chromium	34.3	0.253	1.01	
Cobalt	7.67	0.253	1.01	
Copper	32.8	0.505	1.01	
Lead	4.61	0.505	1.01	
Molybdenum	6.11	0.253	1.01	
Nickel	36.5	0.253	1.01	
Selenium	1.76	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.36	0.758	1.01	
Vanadium	42.8	0.253	1.01	
Zinc	75.8	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 10 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B60-0.5</b>	<b>18-08-1130-54-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:08</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.746	0.995	
Barium	149	0.498	0.995	
Beryllium	0.662	0.249	0.995	
Cadmium	1.71	0.498	0.995	
Chromium	34.0	0.249	0.995	
Cobalt	8.35	0.249	0.995	
Copper	32.9	0.498	0.995	
Lead	6.42	0.498	0.995	
Molybdenum	6.29	0.249	0.995	
Nickel	39.0	0.249	0.995	
Selenium	2.39	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	1.33	0.746	0.995	
Vanadium	39.8	0.249	0.995	
Zinc	76.1	0.995	0.995	

<b>B60-0.5 DUP</b>	<b>18-08-1130-55-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:09</b>	<b>180821L01</b>
--------------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	176	0.505	1.01	
Beryllium	0.755	0.253	1.01	
Cadmium	2.22	0.505	1.01	
Chromium	37.2	0.253	1.01	
Cobalt	9.79	0.253	1.01	
Copper	39.2	0.505	1.01	
Lead	7.85	0.505	1.01	
Molybdenum	7.33	0.253	1.01	
Nickel	53.8	0.253	1.01	
Selenium	2.65	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.38	0.758	1.01	
Vanadium	46.0	0.253	1.01	
Zinc	90.3	1.01	1.01	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 11 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61-0.5</b>	<b>18-08-1130-60-A</b>	<b>08/13/18 13:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:11</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	190	0.505	1.01	
Beryllium	0.824	0.253	1.01	
Cadmium	2.07	0.505	1.01	
Chromium	35.5	0.253	1.01	
Cobalt	8.83	0.253	1.01	
Copper	38.2	0.505	1.01	
Lead	87.6	0.505	1.01	
Molybdenum	7.87	0.253	1.01	
Nickel	35.1	0.253	1.01	
Selenium	1.08	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.50	0.758	1.01	
Vanadium	50.5	0.253	1.01	
Zinc	151	1.01	1.01	

<b>B62-0.5</b>	<b>18-08-1130-63-A</b>	<b>08/13/18 13:47</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:12</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	147	0.500	1.00	
Beryllium	0.607	0.250	1.00	
Cadmium	1.28	0.500	1.00	
Chromium	24.8	0.250	1.00	
Cobalt	7.41	0.250	1.00	
Copper	28.4	0.500	1.00	
Lead	46.0	0.500	1.00	
Molybdenum	3.16	0.250	1.00	
Nickel	27.6	0.250	1.00	
Selenium	1.72	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.49	0.750	1.00	
Vanadium	39.0	0.250	1.00	
Zinc	201	1.00	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 12 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B63-0.5</b>	<b>18-08-1130-64-A</b>	<b>08/13/18 14:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:14</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.750	1.00	
Barium	201	0.500	1.00	
Beryllium	0.754	0.250	1.00	
Cadmium	1.67	0.500	1.00	
Chromium	33.2	0.250	1.00	
Cobalt	8.90	0.250	1.00	
Copper	35.4	0.500	1.00	
Lead	57.4	0.500	1.00	
Molybdenum	3.01	0.250	1.00	
Nickel	35.3	0.250	1.00	
Selenium	0.826	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	1.57	0.750	1.00	
Vanadium	46.2	0.250	1.00	
Zinc	172	1.00	1.00	

<b>B64-0.5</b>	<b>18-08-1130-66-A</b>	<b>08/13/18 14:17</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:15</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	179	0.493	0.985	
Beryllium	0.745	0.246	0.985	
Cadmium	1.64	0.493	0.985	
Chromium	25.8	0.246	0.985	
Cobalt	7.56	0.246	0.985	
Copper	22.4	0.493	0.985	
Lead	5.54	0.493	0.985	
Molybdenum	3.55	0.246	0.985	
Nickel	28.5	0.246	0.985	
Selenium	0.885	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.87	0.739	0.985	
Vanadium	46.1	0.246	0.985	
Zinc	58.8	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 13 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B65-0.5</b>	<b>18-08-1130-69-A</b>	<b>08/13/18 14:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:17</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	195	0.493	0.985	
Beryllium	0.739	0.246	0.985	
Cadmium	1.88	0.493	0.985	
Chromium	28.9	0.246	0.985	
Cobalt	8.37	0.246	0.985	
Copper	34.4	0.493	0.985	
Lead	20.7	0.493	0.985	
Molybdenum	2.84	0.246	0.985	
Nickel	30.8	0.246	0.985	
Selenium	1.54	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.40	0.739	0.985	
Vanadium	46.6	0.246	0.985	
Zinc	95.6	0.985	0.985	

<b>B66-0.5</b>	<b>18-08-1130-72-A</b>	<b>08/13/18 14:47</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:18</b>	<b>180821L01</b>
----------------	------------------------	-----------------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	185	0.493	0.985	
Beryllium	0.701	0.246	0.985	
Cadmium	1.45	0.493	0.985	
Chromium	28.0	0.246	0.985	
Cobalt	6.95	0.246	0.985	
Copper	32.2	0.493	0.985	
Lead	6.96	0.493	0.985	
Molybdenum	2.37	0.246	0.985	
Nickel	29.5	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.39	0.739	0.985	
Vanadium	35.9	0.246	0.985	
Zinc	61.4	0.985	0.985	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 14 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B67-0.5</b>	<b>18-08-1130-75-A</b>	<b>08/13/18 15:02</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:20</b>	<b>180821L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.739	0.985	
Barium	190	0.493	0.985	B
Beryllium	0.747	0.246	0.985	
Cadmium	1.61	0.493	0.985	
Chromium	30.1	0.246	0.985	
Cobalt	8.36	0.246	0.985	
Copper	28.2	0.493	0.985	
Lead	7.35	0.493	0.985	
Molybdenum	3.32	0.246	0.985	
Nickel	34.4	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	1.49	0.739	0.985	
Vanadium	44.0	0.246	0.985	
Zinc	67.6	0.985	0.985	

<b>Method Blank</b>	<b>097-01-002-26869</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 14:54</b>	<b>180820L07</b>
---------------------	-------------------------	------------	--------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.732	0.976	
Barium	ND	0.488	0.976	
Beryllium	ND	0.244	0.976	
Cadmium	ND	0.488	0.976	
Chromium	ND	0.244	0.976	
Cobalt	ND	0.244	0.976	
Copper	ND	0.488	0.976	
Lead	ND	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	ND	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	ND	0.244	0.976	
Zinc	ND	0.976	0.976	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 15 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26871	N/A	Solid	ICP 8300	08/21/18	08/29/18 13:06	180821L01

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.735	0.980	
Barium	ND	0.490	0.980	
Beryllium	ND	0.245	0.980	
Cadmium	ND	0.490	0.980	
Chromium	ND	0.245	0.980	
Cobalt	ND	0.245	0.980	
Copper	ND	0.490	0.980	
Lead	ND	0.490	0.980	
Molybdenum	ND	0.245	0.980	
Nickel	ND	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	ND	0.245	0.980	
Zinc	ND	0.980	0.980	

Method Blank	097-01-002-26839	N/A	Solid	ICP 8300	08/21/18	08/23/18 18:52	180821L02
--------------	------------------	-----	-------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.743	0.990	
Barium	0.703	0.495	0.990	
Beryllium	ND	0.248	0.990	
Cadmium	ND	0.495	0.990	
Chromium	ND	0.248	0.990	
Cobalt	ND	0.248	0.990	
Copper	ND	0.495	0.990	
Lead	ND	0.495	0.990	
Molybdenum	ND	0.248	0.990	
Nickel	ND	0.248	0.990	
Selenium	ND	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	ND	0.248	0.990	
Zinc	ND	0.990	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3010A Total  
Method: EPA 6010B  
Units: mg/L

Project: 9836003557

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-3	18-08-1130-78-B	08/13/18 16:00	Aqueous	ICP 8300	08/20/18	08/26/18 14:02	180820LA2

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0185	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3010A Total  
Method: EPA 6010B  
Units: mg/L

Project: 9836003557

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-17016	N/A	Aqueous	ICP 8300	08/20/18	08/26/18 14:43	180820LA2

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3020A Total  
Method: EPA 6020  
Units: mg/L

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-3	18-08-1130-78-A	08/13/18 16:00	Aqueous	ICP/MS 05	08/20/18	08/27/18 17:00	180819LA1

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.00509	0.00100	1.00	

Method Blank	096-06-003-6007	N/A	Aqueous	ICP/MS 05	08/19/18	08/20/18 13:38	180819LA1
--------------	-----------------	-----	---------	-----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Arsenic	ND	0.00100	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41A-0.5</b>	<b>18-08-1130-1-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 02:54</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.92	1.00		1.00		
<b>B41A-0.5 DUP</b>	<b>18-08-1130-2-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 02:57</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.24	1.00		1.00		
<b>B41B-0.5</b>	<b>18-08-1130-7-A</b>	<b>08/13/18 07:57</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 12:21</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.89	5.00		5.00		
<b>B41C-0.5</b>	<b>18-08-1130-10-A</b>	<b>08/13/18 08:12</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 03:15</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.46	1.00		1.00		
<b>B43A-0.5</b>	<b>18-08-1130-13-A</b>	<b>08/13/18 08:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 03:19</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		21.4	1.00		1.00		
<b>B43B-0.5</b>	<b>18-08-1130-16-A</b>	<b>08/13/18 08:37</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 12:25</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		11.3	5.00		5.00		
<b>B43C-0.5</b>	<b>18-08-1130-19-A</b>	<b>08/13/18 09:07</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:31</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.20	1.00		1.00		
<b>B50-0.5</b>	<b>18-08-1130-22-A</b>	<b>08/13/18 09:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:27</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.06	1.00		1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B51-0.5</b>	<b>18-08-1130-25-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:34</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.30	1.00		1.00		
<b>B51-0.5 DUP</b>	<b>18-08-1130-26-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:38</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.34	1.00		1.00		
<b>B52-0.5</b>	<b>18-08-1130-31-A</b>	<b>08/13/18 09:47</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:41</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		17.0	1.00		1.00		
<b>B53-0.5</b>	<b>18-08-1130-34-A</b>	<b>08/13/18 09:57</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:45</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.64	1.00		1.00		
<b>B54-0.5</b>	<b>18-08-1130-36-A</b>	<b>08/13/18 10:07</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 00:59</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.23	1.00		1.00		
<b>B55-0.5</b>	<b>18-08-1130-39-A</b>	<b>08/13/18 10:22</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:03</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		1.64	1.00		1.00		
<b>B56-0.5</b>	<b>18-08-1130-42-A</b>	<b>08/13/18 10:37</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:06</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.42	1.00		1.00		
<b>B57-0.5</b>	<b>18-08-1130-45-A</b>	<b>08/13/18 10:52</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:10</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.43	1.00		1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B58-0.5</b>	<b>18-08-1130-48-A</b>	<b>08/13/18 12:22</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:14</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.61	1.00		1.00		
<b>B59-0.5</b>	<b>18-08-1130-51-A</b>	<b>08/13/18 13:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:17</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.79	1.00		1.00		
<b>B60-0.5</b>	<b>18-08-1130-54-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:21</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.80	1.00		1.00		
<b>B60-0.5 DUP</b>	<b>18-08-1130-55-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:24</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.7	1.00		1.00		
<b>B61-0.5</b>	<b>18-08-1130-60-A</b>	<b>08/13/18 13:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:28</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.24	1.00		1.00		
<b>B62-0.5</b>	<b>18-08-1130-63-A</b>	<b>08/13/18 13:47</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 01:31</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.32	1.00		1.00		
<b>B63-0.5</b>	<b>18-08-1130-64-A</b>	<b>08/13/18 14:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 12:11</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.91	5.00		5.00		
<b>B64-0.5</b>	<b>18-08-1130-66-A</b>	<b>08/13/18 14:17</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 12:14</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.42	5.00		5.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 9836003557

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B65-0.5</b>	<b>18-08-1130-69-A</b>	<b>08/13/18 14:32</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 02:32</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		8.34		1.00		1.00	
<b>B66-0.5</b>	<b>18-08-1130-72-A</b>	<b>08/13/18 14:47</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 12:18</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		6.83		5.00		5.00	
<b>B67-0.5</b>	<b>18-08-1130-75-A</b>	<b>08/13/18 15:02</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/25/18 03:26</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		8.95		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1719</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/24/18 23:48</b>	<b>180823L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	
<b>Method Blank</b>	<b>099-15-621-1718</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/24/18 23:51</b>	<b>180823L03</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Arsenic		ND		1.00		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7470A Total  
Method: EPA 7470A  
Units: mg/L

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>EB-3</b>	<b>18-08-1130-78-B</b>	<b>08/13/18 16:00</b>	<b>Aqueous</b>	<b>Mercury 07</b>	<b>08/20/18</b>	<b>08/21/18 16:10</b>	<b>180820LA4</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.000500	1.00	

<b>Method Blank</b>	<b>099-04-008-8670</b>	<b>N/A</b>	<b>Aqueous</b>	<b>Mercury 07</b>	<b>08/20/18</b>	<b>08/21/18 15:33</b>	<b>180820LA4</b>
---------------------	------------------------	------------	----------------	-------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41A-0.5</b>	<b>18-08-1130-1-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 14:51</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B41A-0.5 DUP</b>	<b>18-08-1130-2-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 14:54</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B41B-0.5</b>	<b>18-08-1130-7-A</b>	<b>08/13/18 07:57</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 14:56</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B41C-0.5</b>	<b>18-08-1130-10-A</b>	<b>08/13/18 08:12</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 14:58</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0833		1.00	
<b>B43A-0.5</b>	<b>18-08-1130-13-A</b>	<b>08/13/18 08:52</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 15:05</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.168		0.0794		1.00	
<b>B43B-0.5</b>	<b>18-08-1130-16-A</b>	<b>08/13/18 08:37</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 15:07</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.0821		0.0794		1.00	
<b>B43C-0.5</b>	<b>18-08-1130-19-A</b>	<b>08/13/18 09:07</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:30</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0877		1.00	
<b>B50-0.5</b>	<b>18-08-1130-22-A</b>	<b>08/13/18 09:17</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:19</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.0961		0.0820		1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B51-0.5</b>	<b>18-08-1130-25-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:32</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B51-0.5 DUP</b>	<b>18-08-1130-26-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:35</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B52-0.5</b>	<b>18-08-1130-31-A</b>	<b>08/13/18 09:47</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:37</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0877		1.00	
<b>B53-0.5</b>	<b>18-08-1130-34-A</b>	<b>08/13/18 09:57</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:39</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0794		1.00	
<b>B54-0.5</b>	<b>18-08-1130-36-A</b>	<b>08/13/18 10:07</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:42</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B55-0.5</b>	<b>18-08-1130-39-A</b>	<b>08/13/18 10:22</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:44</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0847		1.00	
<b>B56-0.5</b>	<b>18-08-1130-42-A</b>	<b>08/13/18 10:37</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:46</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0806		1.00	
<b>B57-0.5</b>	<b>18-08-1130-45-A</b>	<b>08/13/18 10:52</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:49</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B58-0.5</b>	<b>18-08-1130-48-A</b>	<b>08/13/18 12:22</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:56</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B59-0.5</b>	<b>18-08-1130-51-A</b>	<b>08/13/18 13:02</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:58</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0794		1.00	
<b>B60-0.5</b>	<b>18-08-1130-54-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:00</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B60-0.5 DUP</b>	<b>18-08-1130-55-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:03</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0833		1.00	
<b>B61-0.5</b>	<b>18-08-1130-60-A</b>	<b>08/13/18 13:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:05</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0847		1.00	
<b>B62-0.5</b>	<b>18-08-1130-63-A</b>	<b>08/13/18 13:47</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:07</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0847		1.00	
<b>B63-0.5</b>	<b>18-08-1130-64-A</b>	<b>08/13/18 14:02</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:09</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	
<b>B64-0.5</b>	<b>18-08-1130-66-A</b>	<b>08/13/18 14:17</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:12</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B65-0.5</b>	<b>18-08-1130-69-A</b>	<b>08/13/18 14:32</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:14</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>B66-0.5</b>	<b>18-08-1130-72-A</b>	<b>08/13/18 14:47</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 17:16</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0847		1.00	
<b>B67-0.5</b>	<b>18-08-1130-75-A</b>	<b>08/13/18 15:02</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 15:10</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>Method Blank</b>	<b>099-16-272-4071</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 14:38</b>	<b>180821L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	
<b>Method Blank</b>	<b>099-16-272-4073</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:14</b>	<b>180821L04</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0833		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 1 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41A-0.5</b>	<b>18-08-1130-1-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 11:26</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 2 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41A-0.5 DUP</b>	<b>18-08-1130-2-A</b>	<b>08/13/18 07:42</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 11:40</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	5.7	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 3 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41B-0.5</b>	<b>18-08-1130-7-A</b>	<b>08/13/18 07:57</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 11:54</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 4 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B41C-0.5</b>	<b>18-08-1130-10-A</b>	<b>08/13/18 08:12</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 12:08</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 5 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43A-0.5</b>	<b>18-08-1130-13-A</b>	<b>08/13/18 08:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 12:23</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	110	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	14	5.0	1.00	
4,4'-DDT	10	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 6 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43B-0.5</b>	<b>18-08-1130-16-A</b>	<b>08/13/18 08:37</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 12:37</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	16	5.0	1.00	
4,4'-DDT	31	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	119	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 7 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B43C-0.5</b>	<b>18-08-1130-19-A</b>	<b>08/13/18 09:07</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 12:51</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	50	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	11	4.9	1.00	
4,4'-DDT	14	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	12	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 8 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B50-0.5</b>	<b>18-08-1130-22-A</b>	<b>08/13/18 09:17</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 13:05</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	160	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	19	5.0	1.00	
4,4'-DDT	13	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 9 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B51-0.5</b>	<b>18-08-1130-25-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 13:19</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.0	5.0	1.00	
4,4'-DDT	5.6	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 10 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B51-0.5 DUP</b>	<b>18-08-1130-26-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 13:34</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	11	5.0	1.00	
4,4'-DDT	6.9	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 11 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52-0.5</b>	<b>18-08-1130-31-A</b>	<b>08/13/18 09:47</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 13:48</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	130	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	33	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 12 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B53-0.5</b>	<b>18-08-1130-34-A</b>	<b>08/13/18 09:57</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 14:02</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	81	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	126	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 13 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B54-0.5</b>	<b>18-08-1130-36-A</b>	<b>08/13/18 10:07</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 14:17</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	19	4.9	1.00	
4,4'-DDT	5.3	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 14 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B55-0.5</b>	<b>18-08-1130-39-A</b>	<b>08/13/18 10:22</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 14:31</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 15 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B56-0.5</b>	<b>18-08-1130-42-A</b>	<b>08/13/18 10:37</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 14:45</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	8.1	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 16 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B57-0.5</b>	<b>18-08-1130-45-A</b>	<b>08/13/18 10:52</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 14:59</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	53	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 17 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B58-0.5</b>	<b>18-08-1130-48-A</b>	<b>08/13/18 12:22</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 15:14</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	240	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	29	5.0	1.00	
4,4'-DDT	8.8	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 18 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B59-0.5</b>	<b>18-08-1130-51-A</b>	<b>08/13/18 13:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 13:09</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	110	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 19 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B60-0.5</b>	<b>18-08-1130-54-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 15:28</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 20 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B60-0.5 DUP</b>	<b>18-08-1130-55-A</b>	<b>08/13/18 13:17</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 17:07</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	49	24-168	
2,4,5,6-Tetrachloro-m-Xylene	44	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 21 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61-0.5</b>	<b>18-08-1130-60-A</b>	<b>08/13/18 13:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 17:21</b>	<b>180816L09</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	710	49	1.00	
4,4'-DDD	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	9.3	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

<b>B61-0.5</b>	<b>18-08-1130-60-A</b>	<b>08/13/18 13:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/21/18 17:48</b>	<b>180816L09</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	560	250	50.0	
4,4'-DDT	590	250	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	126	24-168	
2,4,5,6-Tetrachloro-m-Xylene	110	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 22 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B62-0.5</b>	<b>18-08-1130-63-A</b>	<b>08/13/18 13:47</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 17:04</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	5.1	5.0	1.00	
4,4'-DDT	35	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	6.6	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	112	25-145	

<b>B62-0.5</b>	<b>18-08-1130-63-A</b>	<b>08/13/18 13:47</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 17:35</b>	<b>180816L10</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	97	50	10.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	110	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 23 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B63-0.5</b>	<b>18-08-1130-64-A</b>	<b>08/13/18 14:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/21/18 17:06</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	50	10.0	
Alpha-BHC	ND	100	10.0	
Beta-BHC	ND	50	10.0	
Chlordane	69	50	1.00	
4,4'-DDD	ND	50	10.0	
Delta-BHC	ND	100	10.0	
Dieldrin	ND	50	10.0	
Endosulfan I	ND	50	10.0	
Endosulfan II	ND	50	10.0	
Endosulfan Sulfate	ND	50	10.0	
Endrin	ND	50	10.0	
Endrin Aldehyde	ND	50	10.0	
Endrin Ketone	ND	50	10.0	
Gamma-BHC	ND	50	10.0	
Heptachlor	ND	50	10.0	
Heptachlor Epoxide	ND	100	10.0	
Methoxychlor	ND	50	10.0	
Toxaphene	ND	1000	10.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	117	25-145	

<b>B63-0.5</b>	<b>18-08-1130-64-A</b>	<b>08/13/18 14:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/21/18 17:34</b>	<b>180816L10</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	460	250	50.0	
4,4'-DDT	410	250	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	128	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 24 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B64-0.5</b>	<b>18-08-1130-66-A</b>	<b>08/13/18 14:17</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 17:33</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	


  
 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 25 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B65-0.5</b>	<b>18-08-1130-69-A</b>	<b>08/13/18 14:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 17:47</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	12	4.9	1.00	
4,4'-DDT	14	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

<b>B65-0.5</b>	<b>18-08-1130-69-A</b>	<b>08/13/18 14:32</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 18:04</b>	<b>180816L10</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	79	49	10.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 26 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B66-0.5</b>	<b>18-08-1130-72-A</b>	<b>08/13/18 14:47</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 18:01</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	116	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 27 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B67-0.5</b>	<b>18-08-1130-75-A</b>	<b>08/13/18 15:02</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 18:16</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	108	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: 9836003557

Page 28 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-3001	N/A	Solid	GC 44	08/16/18	08/20/18 11:11	180816L09

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	127	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
 5261 West Imperial Highway  
 Los Angeles, CA 90045-6231

Date Received: 08/14/18  
 Work Order: 18-08-1130  
 Preparation: EPA 3545  
 Method: EPA 8081A  
 Units: ug/kg

Project: 9836003557

Page 29 of 29

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-12-537-3000</b>	<b>N/A</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 11:01</b>	<b>180816L10</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	122	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: 9836003557

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-3	18-08-1130-78-C	08/13/18 16:00	Aqueous	GC 44	08/17/18	08/20/18 18:46	180817L02

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.094	1.00	
Gamma-BHC	ND	0.094	1.00	
Beta-BHC	ND	0.094	1.00	
Heptachlor	ND	0.094	1.00	
Delta-BHC	ND	0.094	1.00	
Aldrin	ND	0.094	1.00	
Heptachlor Epoxide	ND	0.094	1.00	
Endosulfan I	ND	0.094	1.00	
Dieldrin	ND	0.094	1.00	
4,4'-DDE	ND	0.094	1.00	
Endrin	ND	0.094	1.00	
Endrin Aldehyde	ND	0.094	1.00	
4,4'-DDD	ND	0.094	1.00	
Endosulfan II	ND	0.094	1.00	
4,4'-DDT	ND	0.094	1.00	
Endosulfan Sulfate	ND	0.094	1.00	
Methoxychlor	ND	0.094	1.00	
Chlordane	ND	0.94	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.094	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	50-135	
2,4,5,6-Tetrachloro-m-Xylene	104	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3510C  
Method: EPA 8081A  
Units: ug/L

Project: 9836003557

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-529-1043	N/A	Aqueous	GC 44	08/17/18	08/20/18 18:32	180817L02

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	50-135	
2,4,5,6-Tetrachloro-m-Xylene	100	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: 9836003557

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B50-0.5</b>	<b>18-08-1130-22-A</b>	<b>08/13/18 09:17</b>	<b>Solid</b>	<b>GC 31</b>	<b>08/16/18</b>	<b>08/17/18 18:56</b>	<b>180816L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

<b>B51-0.5</b>	<b>18-08-1130-25-A</b>	<b>08/13/18 09:32</b>	<b>Solid</b>	<b>GC 31</b>	<b>08/16/18</b>	<b>08/17/18 19:15</b>	<b>180816L11</b>
----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8082  
Units: ug/kg

Project: 9836003557

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B55-0.5</b>	<b>18-08-1130-39-A</b>	<b>08/13/18 10:22</b>	<b>Solid</b>	<b>GC 31</b>	<b>08/16/18</b>	<b>08/17/18 19:34</b>	<b>180816L11</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	49	1.00	
Aroclor-1221	ND	49	1.00	
Aroclor-1232	ND	49	1.00	
Aroclor-1242	ND	49	1.00	
Aroclor-1248	ND	49	1.00	
Aroclor-1254	ND	49	1.00	
Aroclor-1260	ND	49	1.00	
Aroclor-1262	ND	49	1.00	
Aroclor-1268	ND	49	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

<b>Method Blank</b>	<b>099-12-535-4830</b>	<b>N/A</b>	<b>Solid</b>	<b>GC 31</b>	<b>08/16/18</b>	<b>08/17/18 09:46</b>	<b>180816L11</b>
---------------------	------------------------	------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	106	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1262-9	Sample	Solid	ICP 8300	08/20/18	08/27/18 14:57	180820S07
18-08-1262-9	Matrix Spike	Solid	ICP 8300	08/20/18	08/27/18 15:09	180820S07
18-08-1262-9	Matrix Spike Duplicate	Solid	ICP 8300	08/20/18	08/27/18 15:11	180820S07

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.427	22	3.004	12	50-115	57	0-20	3,4
Barium	82.77	25.00	114.5	127	105.6	91	75-125	8	0-20	3
Beryllium	0.4669	25.00	26.31	103	25.91	102	75-125	2	0-20	
Cadmium	0.9774	25.00	26.39	102	29.86	116	75-125	12	0-20	
Chromium	21.67	25.00	49.24	110	45.44	95	75-125	8	0-20	
Cobalt	11.77	25.00	35.51	95	38.04	105	75-125	7	0-20	
Copper	49.11	25.00	91.97	171	92.45	173	75-125	1	0-20	3
Lead	6.381	25.00	34.10	111	33.61	109	75-125	1	0-20	
Molybdenum	ND	25.00	17.74	71	17.03	68	75-125	4	0-20	3
Nickel	25.77	25.00	55.52	119	52.63	107	75-125	5	0-20	
Selenium	ND	25.00	10.77	43	8.059	32	75-125	29	0-20	3,4
Silver	ND	12.50	11.40	91	3.115	25	75-125	114	0-20	3,4
Thallium	1.444	25.00	19.22	71	25.88	98	75-125	30	0-20	3,4
Vanadium	43.90	25.00	68.94	100	62.98	76	75-125	9	0-20	
Zinc	32.08	25.00	57.91	103	54.23	89	75-125	7	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 2 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B50-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:31</b>	<b>180821S01</b>
<b>B50-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:33</b>	<b>180821S01</b>
<b>B50-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:34</b>	<b>180821S01</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.618	22	6.718	27	50-115	18	0-20	3
Barium	170.8	25.00	199.1	4X	209.4	4X	75-125	4X	0-20	Q
Beryllium	0.7208	25.00	25.78	100	26.43	103	75-125	2	0-20	
Cadmium	1.825	25.00	29.40	110	30.17	113	75-125	3	0-20	
Chromium	30.61	25.00	57.38	107	58.18	110	75-125	1	0-20	
Cobalt	9.240	25.00	34.52	101	35.63	106	75-125	3	0-20	
Copper	30.54	25.00	55.51	100	58.29	111	75-125	5	0-20	
Lead	12.89	25.00	40.19	109	41.50	114	75-125	3	0-20	
Molybdenum	3.784	25.00	26.56	91	28.00	97	75-125	5	0-20	
Nickel	32.95	25.00	60.14	109	61.72	115	75-125	3	0-20	
Selenium	ND	25.00	25.07	100	26.56	106	75-125	6	0-20	
Silver	ND	12.50	13.03	104	13.25	106	75-125	2	0-20	
Thallium	1.488	25.00	24.20	91	25.12	95	75-125	4	0-20	
Vanadium	45.41	25.00	73.11	111	73.84	114	75-125	1	0-20	
Zinc	86.97	25.00	111.2	97	116.9	120	75-125	5	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 3 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1157-1	Sample	Solid	ICP 8300	08/21/18	08/23/18 18:56	180821S02
18-08-1157-1	Matrix Spike	Solid	ICP 8300	08/21/18	08/23/18 18:58	180821S02
18-08-1157-1	Matrix Spike Duplicate	Solid	ICP 8300	08/21/18	08/23/18 19:00	180821S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.202	21	6.383	26	50-115	20	0-20	3
Barium	132.8	25.00	162.4	4X	161.6	4X	75-125	4X	0-20	Q
Beryllium	0.7039	25.00	25.46	99	25.00	97	75-125	2	0-20	
Cadmium	ND	25.00	26.90	108	26.58	106	75-125	1	0-20	
Chromium	17.30	25.00	43.47	105	41.64	97	75-125	4	0-20	
Cobalt	8.870	25.00	34.97	104	34.24	101	75-125	2	0-20	
Copper	14.75	25.00	42.34	110	42.57	111	75-125	1	0-20	
Lead	8.069	25.00	34.02	104	33.89	103	75-125	0	0-20	
Molybdenum	ND	25.00	20.76	83	20.97	84	75-125	1	0-20	
Nickel	12.52	25.00	39.92	110	39.15	107	75-125	2	0-20	
Selenium	ND	25.00	24.25	97	23.77	95	75-125	2	0-20	
Silver	ND	12.50	12.41	99	12.21	98	75-125	2	0-20	
Thallium	1.588	25.00	24.94	93	24.28	91	75-125	3	0-20	
Vanadium	31.20	25.00	58.12	108	58.01	107	75-125	0	0-20	
Zinc	45.72	25.00	77.15	126	75.30	118	75-125	2	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: 9836003557

Page 4 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-08-1137-5	Sample	Aqueous	ICP 8300	08/20/18	08/26/18 14:45	180820SA2				
18-08-1137-5	Matrix Spike	Aqueous	ICP 8300	08/20/18	08/26/18 14:50	180820SA2				
18-08-1137-5	Matrix Spike Duplicate	Aqueous	ICP 8300	08/20/18	08/26/18 14:51	180820SA2				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.4845	97	0.5287	106	72-132	9	0-10	
Arsenic	ND	0.5000	0.5207	104	0.5591	112	80-140	7	0-11	
Barium	0.06945	0.5000	0.6050	107	0.6444	115	87-123	6	0-6	
Beryllium	ND	0.5000	0.5471	109	0.5723	114	89-119	4	0-8	
Cadmium	ND	0.5000	0.5738	115	0.6216	124	82-124	8	0-7	4
Chromium	ND	0.5000	0.5335	107	0.5606	112	86-122	5	0-8	
Cobalt	ND	0.5000	0.5450	109	0.5870	117	83-125	7	0-7	
Copper	0.01228	0.5000	0.5227	102	0.5552	109	78-126	6	0-7	
Lead	ND	0.5000	0.5422	108	0.5856	117	84-120	8	0-7	4
Molybdenum	ND	0.5000	0.5167	103	0.5520	110	78-126	7	0-7	
Nickel	ND	0.5000	0.5260	105	0.5684	114	84-120	8	0-7	4
Selenium	ND	0.5000	0.5009	100	0.4859	97	79-127	3	0-9	
Silver	ND	0.2500	0.05526	22	0.04086	16	86-128	30	0-7	3,4
Thallium	ND	0.5000	0.5072	101	0.5515	110	79-121	8	0-8	
Vanadium	ND	0.5000	0.5102	102	0.5419	108	88-118	6	0-7	
Zinc	0.04835	0.5000	0.5733	105	0.6234	115	89-131	8	0-8	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3020A Total  
Method: EPA 6020

Project: 9836003557

Page 5 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1166-1	Sample	Aqueous	ICP/MS 05	08/19/18	08/20/18 14:24	180819SA1
18-08-1166-1	Matrix Spike	Aqueous	ICP/MS 05	08/19/18	08/20/18 13:59	180819SA1
18-08-1166-1	Matrix Spike Duplicate	Aqueous	ICP/MS 05	08/19/18	08/20/18 14:03	180819SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.1012	101	0.09800	98	73-127	3	0-11	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 6 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B50-0.5	Sample	Solid	ICP/MS 05	08/23/18	08/25/18 00:27	180823S02				
B50-0.5	Matrix Spike	Solid	ICP/MS 05	08/23/18	08/25/18 00:13	180823S02				
B50-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	08/23/18	08/25/18 00:16	180823S02				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	9.064	25.00	39.43	121	37.73	115	72-132	4	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 7 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B41A-0.5	Sample	Solid	ICP/MS 05	08/23/18	08/25/18 02:54	180823S03				
B41A-0.5	Matrix Spike	Solid	ICP/MS 05	08/23/18	08/25/18 02:39	180823S03				
B41A-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	08/23/18	08/25/18 02:43	180823S03				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	7.921	25.00	36.07	113	37.70	119	72-132	4	0-13	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7470A Total  
Method: EPA 7470A

Project: 9836003557

Page 8 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1119-1	Sample	Aqueous	Mercury 07	08/20/18	08/21/18 15:38	180820SA4
18-08-1119-1	Matrix Spike	Aqueous	Mercury 07	08/20/18	08/21/18 15:40	180820SA4
18-08-1119-1	Matrix Spike Duplicate	Aqueous	Mercury 07	08/20/18	08/21/18 15:43	180820SA4

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009590	96	0.008944	89	55-133	7	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 9 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1262-9	Sample	Solid	Mercury 08	08/21/18	08/21/18 14:42	180821S02
18-08-1262-9	Matrix Spike	Solid	Mercury 08	08/21/18	08/23/18 12:28	180821S02
18-08-1262-9	Matrix Spike Duplicate	Solid	Mercury 08	08/21/18	08/21/18 14:47	180821S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7119	85	0.8804	105	71-137	21	0-14	4

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 10 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B50-0.5	Sample	Solid	Mercury 08	08/21/18	08/21/18 16:19	180821S04				
B50-0.5	Matrix Spike	Solid	Mercury 08	08/21/18	08/21/18 16:21	180821S04				
B50-0.5	Matrix Spike Duplicate	Solid	Mercury 08	08/21/18	08/21/18 16:28	180821S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.09610	0.8350	0.9563	103	0.8895	95	71-137	7	0-14	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A

Project: 9836003557

Page 11 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B43A-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 12:23</b>	<b>180816S09</b>				
<b>B43A-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 16:38</b>	<b>180816S09</b>				
<b>B43A-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 16:53</b>	<b>180816S09</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Aldrin	ND	25.00	27.13	109	26.63	107	50-135	2	0-25	
Alpha-BHC	ND	25.00	23.08	92	22.99	92	50-135	0	0-25	
Beta-BHC	ND	25.00	24.46	98	24.62	98	50-135	1	0-25	
4,4'-DDD	ND	25.00	37.46	150	39.38	158	50-135	5	0-25	3
4,4'-DDE	14.20	25.00	42.19	112	42.92	115	50-135	2	0-25	
4,4'-DDT	10.19	25.00	46.89	147	45.66	142	50-135	3	0-25	3
Delta-BHC	ND	25.00	27.25	109	26.61	106	50-135	2	0-25	
Dieldrin	ND	25.00	32.86	131	33.21	133	50-135	1	0-25	
Endosulfan I	ND	25.00	33.16	133	32.98	132	50-135	1	0-25	
Endosulfan II	ND	25.00	30.04	120	28.84	115	50-135	4	0-25	
Endosulfan Sulfate	ND	25.00	27.93	112	27.85	111	50-135	0	0-25	
Endrin	ND	25.00	27.96	112	29.16	117	50-135	4	0-25	
Endrin Aldehyde	ND	25.00	22.22	89	21.80	87	50-135	2	0-25	
Gamma-BHC	ND	25.00	23.56	94	23.49	94	50-135	0	0-25	
Heptachlor	ND	25.00	27.27	109	26.48	106	50-135	3	0-25	
Heptachlor Epoxide	ND	25.00	30.16	121	29.28	117	50-135	3	0-25	
Methoxychlor	ND	25.00	30.47	122	26.75	107	50-135	13	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A

Project: 9836003557

Page 12 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B59-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 13:09</b>	<b>180816S10</b>				
<b>B59-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 12:40</b>	<b>180816S10</b>				
<b>B59-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 12:55</b>	<b>180816S10</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Aldrin	ND	25.00	27.76	111	26.59	106	50-135	4	0-25	
Alpha-BHC	ND	25.00	28.27	113	27.10	108	50-135	4	0-25	
Beta-BHC	ND	25.00	30.24	121	28.51	114	50-135	6	0-25	
4,4'-DDD	ND	25.00	31.08	124	31.46	126	50-135	1	0-25	
4,4'-DDE	ND	25.00	31.24	125	29.36	117	50-135	6	0-25	
4,4'-DDT	ND	25.00	27.46	110	19.22	77	50-135	35	0-25	4
Delta-BHC	ND	25.00	30.04	120	28.44	114	50-135	5	0-25	
Dieldrin	ND	25.00	30.02	120	28.29	113	50-135	6	0-25	
Endosulfan I	ND	25.00	30.57	122	28.86	115	50-135	6	0-25	
Endosulfan II	ND	25.00	30.28	121	28.14	113	50-135	7	0-25	
Endosulfan Sulfate	ND	25.00	29.34	117	27.28	109	50-135	7	0-25	
Endrin	ND	25.00	29.06	116	27.30	109	50-135	6	0-25	
Endrin Aldehyde	ND	25.00	24.20	97	24.14	97	50-135	0	0-25	
Gamma-BHC	ND	25.00	28.96	116	27.43	110	50-135	5	0-25	
Heptachlor	ND	25.00	28.35	113	26.76	107	50-135	6	0-25	
Heptachlor Epoxide	ND	25.00	29.06	116	27.52	110	50-135	5	0-25	
Methoxychlor	ND	25.00	28.36	113	20.32	81	50-135	33	0-25	4

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8082

Project: 9836003557

Page 13 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-08-1156-1	Sample	Solid	GC 31	08/16/18	08/17/18 11:02	180816S11
18-08-1156-1	Matrix Spike	Solid	GC 31	08/16/18	08/17/18 10:24	180816S11
18-08-1156-1	Matrix Spike Duplicate	Solid	GC 31	08/16/18	08/17/18 10:43	180816S11

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	111.5	112	124.5	124	50-135	11	0-20	
Aroclor-1260	ND	100.0	93.00	93	100.5	100	50-135	8	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3020A Total  
Method: EPA 6020

Project: 9836003557

Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-08-1166-1	Sample	Aqueous	ICP/MS 05	08/19/18 00:00	08/20/18 14:24	180819SA1
18-08-1166-1	PDS	Aqueous	ICP/MS 05	08/19/18 00:00	08/20/18 14:17	180819SA1
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	ND	0.1000	0.09688	97	75-125	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B50-0.5	Sample	Solid	ICP/MS 05	08/23/18 00:00	08/25/18 00:27	180823S02	
B50-0.5	PDS	Solid	ICP/MS 05	08/23/18 00:00	08/25/18 00:20	180823S02	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		9.064	25.00	31.73	91	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B41A-0.5	Sample	Solid	ICP/MS 05	08/23/18 00:00	08/25/18 02:54	180823S03	
B41A-0.5	PDS	Solid	ICP/MS 05	08/23/18 00:00	08/25/18 02:47	180823S03	
Parameter		Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic		7.921	25.00	35.09	109	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26869</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/20/18</b>	<b>08/27/18 14:55</b>	<b>180820L07</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.69	91	80-120	73-127	
Barium	25.00	25.83	103	80-120	73-127	
Beryllium	25.00	24.91	100	80-120	73-127	
Cadmium	25.00	25.16	101	80-120	73-127	
Chromium	25.00	24.78	99	80-120	73-127	
Cobalt	25.00	25.03	100	80-120	73-127	
Copper	25.00	23.89	96	80-120	73-127	
Lead	25.00	27.49	110	80-120	73-127	
Molybdenum	25.00	24.66	99	80-120	73-127	
Nickel	25.00	25.19	101	80-120	73-127	
Selenium	25.00	23.01	92	80-120	73-127	
Silver	12.50	12.06	96	80-120	73-127	
Thallium	25.00	25.39	102	80-120	73-127	
Vanadium	25.00	23.69	95	80-120	73-127	
Zinc	25.00	26.17	105	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26871</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:26</b>	<b>180821L01</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	21.93	88	80-120	73-127	
Barium	25.00	25.69	103	80-120	73-127	
Beryllium	25.00	22.66	91	80-120	73-127	
Cadmium	25.00	23.88	96	80-120	73-127	
Chromium	25.00	24.11	96	80-120	73-127	
Cobalt	25.00	23.10	92	80-120	73-127	
Copper	25.00	23.66	95	80-120	73-127	
Lead	25.00	25.83	103	80-120	73-127	
Molybdenum	25.00	25.57	102	80-120	73-127	
Nickel	25.00	22.88	92	80-120	73-127	
Selenium	25.00	22.49	90	80-120	73-127	
Silver	12.50	11.75	94	80-120	73-127	
Thallium	25.00	22.74	91	80-120	73-127	
Vanadium	25.00	23.51	94	80-120	73-127	
Zinc	25.00	25.03	100	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26839</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/23/18 18:54</b>	<b>180821L02</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	23.10	92	80-120	73-127	
Barium	25.00	26.78	107	80-120	73-127	
Beryllium	25.00	24.46	98	80-120	73-127	
Cadmium	25.00	25.07	100	80-120	73-127	
Chromium	25.00	25.38	102	80-120	73-127	
Cobalt	25.00	24.84	99	80-120	73-127	
Copper	25.00	24.93	100	80-120	73-127	
Lead	25.00	27.18	109	80-120	73-127	
Molybdenum	25.00	24.64	99	80-120	73-127	
Nickel	25.00	25.14	101	80-120	73-127	
Selenium	25.00	23.22	93	80-120	73-127	
Silver	12.50	12.34	99	80-120	73-127	
Thallium	25.00	25.19	101	80-120	73-127	
Vanadium	25.00	24.35	97	80-120	73-127	
Zinc	25.00	25.92	104	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: 9836003557

Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-17016	LCS	Aqueous	ICP 8300	08/20/18	08/26/18 14:44	180820LA2
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.4706	94	80-120	73-127	
Arsenic	0.5000	0.4708	94	80-120	73-127	
Barium	0.5000	0.5308	106	80-120	73-127	
Beryllium	0.5000	0.5175	104	80-120	73-127	
Cadmium	0.5000	0.5206	104	80-120	73-127	
Chromium	0.5000	0.5176	104	80-120	73-127	
Cobalt	0.5000	0.5175	103	80-120	73-127	
Copper	0.5000	0.4891	98	80-120	73-127	
Lead	0.5000	0.5379	108	80-120	73-127	
Molybdenum	0.5000	0.5028	101	80-120	73-127	
Nickel	0.5000	0.4913	98	80-120	73-127	
Selenium	0.5000	0.4868	97	80-120	73-127	
Silver	0.2500	0.2434	97	80-120	73-127	
Thallium	0.5000	0.4973	99	80-120	73-127	
Vanadium	0.5000	0.4867	97	80-120	73-127	
Zinc	0.5000	0.4965	99	80-120	73-127	

Total number of LCS compounds: 16

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3020A Total  
Method: EPA 6020

Project: 9836003557

Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
096-06-003-6007	LCS	Aqueous	ICP/MS 05	08/19/18	08/20/18 13:52	180819LA1			
096-06-003-6007	LCSD	Aqueous	ICP/MS 05	08/19/18	08/20/18 13:55	180819LA1			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1026	103	0.1020	102	80-120	1	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1719</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/24/18 23:55</b>	<b>180823L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	22.01	88	80-120	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 9836003557

Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1718</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>08/23/18</b>	<b>08/24/18 23:59</b>	<b>180823L03</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic	25.00	24.70	99	80-120	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7470A Total  
Method: EPA 7470A

Project: 9836003557

Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-8670	LCS	Aqueous	Mercury 07	08/20/18	08/21/18 15:36	180820LA4
099-04-008-8670	LCSD	Aqueous	Mercury 07	08/20/18	08/22/18 18:02	180820LA4

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	0.01005	101	0.008976	90	80-120	11	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4071</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 14:40</b>	<b>180821L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.9118	109	85-121	

[Return to Contents](#)



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 10 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4073</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:16</b>	<b>180821L04</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.8858	106	85-121	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A

Project: 9836003557

Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-537-3001</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/20/18 18:18</b>	<b>180816L09</b>
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	26.08	104	50-135	36-149	
Alpha-BHC	25.00	26.13	105	50-135	36-149	
Beta-BHC	25.00	24.66	99	50-135	36-149	
4,4'-DDD	25.00	27.67	111	50-135	36-149	
4,4'-DDE	25.00	28.26	113	50-135	36-149	
4,4'-DDT	25.00	27.30	109	50-135	36-149	
Delta-BHC	25.00	26.53	106	50-135	36-149	
Dieldrin	25.00	27.70	111	50-135	36-149	
Endosulfan I	25.00	28.14	113	50-135	36-149	
Endosulfan II	25.00	27.28	109	50-135	36-149	
Endosulfan Sulfate	25.00	27.36	109	50-135	36-149	
Endrin	25.00	27.00	108	50-135	36-149	
Endrin Aldehyde	25.00	26.70	107	50-135	36-149	
Gamma-BHC	25.00	26.17	105	50-135	36-149	
Heptachlor	25.00	26.61	106	50-135	36-149	
Heptachlor Epoxide	25.00	27.12	108	50-135	36-149	
Methoxychlor	25.00	26.66	107	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8081A

Project: 9836003557

Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-537-3000</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 44</b>	<b>08/16/18</b>	<b>08/17/18 11:15</b>	<b>180816L10</b>
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	29.62	118	50-135	36-149	
Alpha-BHC	25.00	30.92	124	50-135	36-149	
Beta-BHC	25.00	30.20	121	50-135	36-149	
4,4'-DDD	25.00	31.73	127	50-135	36-149	
4,4'-DDE	25.00	31.76	127	50-135	36-149	
4,4'-DDT	25.00	31.45	126	50-135	36-149	
Delta-BHC	25.00	31.44	126	50-135	36-149	
Dieldrin	25.00	31.25	125	50-135	36-149	
Endosulfan I	25.00	31.72	127	50-135	36-149	
Endosulfan II	25.00	31.14	125	50-135	36-149	
Endosulfan Sulfate	25.00	31.00	124	50-135	36-149	
Endrin	25.00	29.18	117	50-135	36-149	
Endrin Aldehyde	25.00	30.51	122	50-135	36-149	
Gamma-BHC	25.00	31.21	125	50-135	36-149	
Heptachlor	25.00	31.10	124	50-135	36-149	
Heptachlor Epoxide	25.00	30.99	124	50-135	36-149	
Methoxychlor	25.00	29.22	117	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3510C  
Method: EPA 8081A

Project: 9836003557

Page 13 of 14

Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-529-1043	LCS	Aqueous		GC 44	08/17/18	08/20/18 20:40	180817L02			
099-12-529-1043	LCSD	Aqueous		GC 44	08/17/18	08/20/18 20:54	180817L02			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.5720	114	0.5674	113	50-135	36-149	1	0-25	
Gamma-BHC	0.5000	0.5817	116	0.5775	116	50-135	36-149	1	0-25	
Beta-BHC	0.5000	0.5614	112	0.5537	111	50-135	36-149	1	0-25	
Heptachlor	0.5000	0.5631	113	0.5670	113	50-135	36-149	1	0-25	
Delta-BHC	0.5000	0.5405	108	0.5514	110	50-135	36-149	2	0-25	
Aldrin	0.5000	0.5337	107	0.5427	109	50-135	36-149	2	0-25	
Heptachlor Epoxide	0.5000	0.5917	118	0.5846	117	50-135	36-149	1	0-25	
Endosulfan I	0.5000	0.6011	120	0.5945	119	50-135	36-149	1	0-25	
Dieldrin	0.5000	0.5928	119	0.5855	117	50-135	36-149	1	0-25	
4,4'-DDE	0.5000	0.5993	120	0.5933	119	50-135	36-149	1	0-25	
Endrin	0.5000	0.5723	114	0.5723	114	50-135	36-149	0	0-25	
Endrin Aldehyde	0.5000	0.5038	101	0.5204	104	50-135	36-149	3	0-25	
4,4'-DDD	0.5000	0.6154	123	0.6010	120	50-135	36-149	2	0-25	
Endosulfan II	0.5000	0.6010	120	0.5881	118	50-135	36-149	2	0-25	
4,4'-DDT	0.5000	0.6118	122	0.5956	119	50-135	36-149	3	0-25	
Endosulfan Sulfate	0.5000	0.5898	118	0.5783	116	50-135	36-149	2	0-25	
Methoxychlor	0.5000	0.6034	121	0.5860	117	50-135	36-149	3	0-25	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3545  
Method: EPA 8082

Project: 9836003557

Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-535-4830</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 31</b>	<b>08/16/18</b>	<b>08/17/18 10:05</b>	<b>180816L11</b>
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Aroclor-1016		100.0	106.0	106	50-135	
Aroclor-1260		100.0	94.00	94	50-135	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Sample Analysis Summary Report

Work Order: 18-08-1130

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3010A Total	110	ICP 8300	1
EPA 6010B	EPA 3050B	110	ICP 8300	1
EPA 6020	EPA 3020A Total	598	ICP/MS 05	1
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 7470A	EPA 7470A Total	868	Mercury 07	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8081A	EPA 3510C	669	GC 44	1
EPA 8082	EPA 3545	1028	GC 31	1

## Glossary of Terms and Qualifiers

Work Order: 18-08-1130

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



Analytical Laboratory: Eurofins CalScience										Lab Contact: Nowak		Method		Container				Turnaround Time						
Project Number: 9836003557										Quote No: 965158		<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">1130</div> </div>		Plastic Bag VOAs (by EPA 5035) Summa Canister Tedlar Bag Normal / Standard				72 Hour 48 Hours 24 Hours						
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364										Project Manager: Desi Salgado														
Sampled by: Desi Salgado										Phone: 310-854-6300		Email: desi_salgado@efiglobal.com		Arctic, EPA Method 6020B		OCs, EPA Method 8081A		PCBs, EPA Method 8082A		Metals, EPA Method 6010B/7470A				
Number	Sample ID	Lab ID	Type			Matrix			Preservative			Sampling Information		Date	Time	Hold	4- or 8-ounce Glass	Plastic Bag	Summa Canister	Tedlar Bag	Normal / Standard	72 Hour	48 Hours	24 Hours
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date											
1	B43C-3	21				X								08/13/18	9:07		X					X		
2	B50-0.5	22				X								08/13/18	9:17		X					X		
3	B50-1.5	23				X								08/13/18	9:20		X					X		
4	B50-3	24				X								08/13/18	9:25		X					X		
5	B51-0.5	25				X								08/13/18	9:32		X					X		
6	B51-0.5 DUP	26				X								08/13/18	9:32		X					X		
7	B51-1.5	27				X								08/13/18	9:35		X					X		
8	B51-1.5 DUP	28				X								08/13/18	9:35		X					X		
9	B51-3	29				X								08/13/18	9:40		X					X		
10	B51-3 DUP	30				X								08/13/18	9:40		X					X		
11	B52-0.5	31				X								08/13/18	9:47		X					X		
12	B52-1.5	32				X								08/13/18	9:50		X					X		
13	B52-3	33				X								08/13/18	9:55		X					X		
14	B53-0.5	34				X								08/13/18	9:57		X					X		
15	B53-1.5	35				X								08/13/18	10:00		X					X		
16	B54-0.5	36				X								08/13/18	10:07		X					X		
17	B54-1.5	37				X								08/13/18	10:10		X					X		
18	B54-3	38				X								08/13/18	10:15		X					X		
19	B55-0.5	39				X								08/13/18	10:22		X					X		
20	B55-1.5	40				X								08/13/18	10:30		X					X		

Relinquished by	Date	Time	Received by	Date	Time	Remarks
<i>[Signature]</i>	8/14/18	1500	<i>[Signature]</i>	8/14/18	1500	Sample condition (circle): Chilled Intact
<i>[Signature]</i>	8/14/18	1830	<i>[Signature]</i>	8/14/18	1830	

# Chain-of-Custody Record

EFI\_081318-3

Analytical Laboratory: Eurofins Calscience		Lab Contact: Nowak												
Project Number: 9836003557		Quote No: 965158												
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364														
Project Manager: Desi Salgado														
Sampled by: Desi Salgado														
Phone: 310-854-6300														
Email: desi_salgado@efiglobal.com														
Number	Sample ID	Lab ID	Sampling Information										Time	
			Type	Matrix	Preservative			Date						
			Grab	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl			
1	B55-3	41		X									08/13/18	10:30
2	B56-0.5	42		X									08/13/18	10:37
3	B56-1.5	43		X									08/13/18	10:40
4	B56-3	44		X									08/13/18	10:45
5	B57-0.5	45		X									08/13/18	10:52
6	B57-1.5	46		X									08/13/18	10:55
7	B57-3	47		X									08/13/18	11:00
8	B58-0.5	48		X									08/13/18	12:22
9	B58-1.5	49		X									08/13/18	12:25
10	B58-3	50		X									08/13/18	12:30
11	B59-0.5	51		X									08/13/18	13:02
12	B59-1.5	52		X									08/13/18	13:05
13	B59-3	53		X									08/13/18	13:10
14	B60-0.5	54		X									08/13/18	13:17
15	B60-0.5 DUP	55		X									08/13/18	13:17
16	B60-1.5	56		X									08/13/18	13:20
17	B60-1.5 DUP	57		X									08/13/18	13:20
18	B60-3	58		X									08/13/18	13:25
19	B60-3 DUP	59		X									08/13/18	13:25
20	B61-0.5	60		X									08/13/18	13:32
Relinquished by: <i>[Signature]</i>			Date: 8/14/18	Time: 1500	Received by: <i>[Signature]</i>	Date: 8/14/18	Time: 1500	Remarks: Sample condition (circle): Chilled Intact						
			Date: 8/14/18	Time: 1630										

## Chain-of-Custody Record

**EFI\_081318-4**

Analytical Laboratory: Eurofins Calscience										Lab Contact: Nowak					
Project Number: 9836003557										Quote No: 965158					
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364															
Project Manager: Desi Salgado															
Sampled by: Desi Salgado															
Phone: 310-854-6300															
Email: desi_salgado@efiglobal.com															
Number	Sample ID	Lab ID	Type				Matrix			Preservative			Sampling Information		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time	
1	B61-1.5	61				X								08/13/18	13:35
2	B61-3	62				X								08/13/18	13:40
3	B62-0.5	63				X								08/13/18	13:47
4	B63-0.5	64				X								08/13/18	14:02
5	B63-1.5	65				X								08/13/18	14:05
6	B64-0.5	66				X								08/13/18	14:17
7	B64-1.5	67				X								08/13/18	14:20
8	B64-3	68				X								08/13/18	14:25
9	B65-0.5	69				X								08/13/18	14:32
10	B65-1.5	70				X								08/13/18	14:35
11	B65-3	71				X								08/13/18	14:40
12	B66-0.5	72				X								08/13/18	14:47
13	B66-1.5	73				X								08/13/18	14:50
14	B66-3	74				X								08/13/18	14:55
15	B67-0.5	75				X								08/13/18	15:02
16	B67-1.5	76				X								08/13/18	15:05
17	B67-3	77				X								08/13/18	15:10
18	EB-1	78				X								08/13/18	16:00
19	TB-1	79				X								08/13/18	
20															

Engineering Fire & Environmental Services

Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Method

Metals, EPA Method 6010B/7470A

Arsenic, EPA Method 6020B

OCPs, EPA Method 8081A

PCBs, EPA Method 8082A

Container

4- or 8-ounce Glass

Plastic Bag

VOAs (by EPA 5035)

Summa Canister

Tedlar Bag

Turnaround Time

72 Hour

48 Hours

24 Hours

1130

Relinquished by: *[Signature]*

Date: 8/14/18 1500

Received by: *[Signature]*

Date: 8/14/18 1500

Remarks

Sample condition (circle): Chilled Intact

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EFI GlobalDATE: 08/14/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 1091

## CUSTODY SEAL:

Cooler ☐ Present and Intact☐ Present but Not Intact☒ Not Present☐ N/AChecked by: 1091Sample(s) ☐ Present and Intact☐ Present but Not Intact☒ Not Present☐ N/AChecked by: 836

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ..... ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☒ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ..... ☐ Yes ☒ No ☐ N/ASample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ..... ☒ Yes ☐ No ☐ N/ASamples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ..... ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... ☒ Yes ☐ No ☐ N/AContainer(s) for certain analysis free of headspace ..... ☒ Yes ☐ No ☐ N/A☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

## CONTAINER TYPE:

(Trip Blank Lot Number: 180806B)Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_9)☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> (pH\_2) ☐ 250PB ☒ 250PB<sub>s</sub> (pH\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ<sub>s</sub> (pH\_2) ☐ 500PB☐ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> (pH\_2) ☐ 1AGB<sub>s</sub> (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☒ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 836s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>·H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 1053

# SAMPLE ANOMALY REPORT

DATE: 08/14/2018

## SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☒ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☒ Client sample ID
  - ☒ Sampling date and/or time
  - ☐ Number of container(s)
  - ☒ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(-78) Received 1x 1 Liter unpreserved amber glass container for 8081A / 8082A

(-5) Labeled as B41-3 (Date/time matched)

(-78) Received 1x 1 Liter unpreserved amber glass container labeled as EB-3 (Date/time matched)

(-78) 1 of 2 250 mL plastic containers w/ HNO<sub>3</sub> labeled as EB-3 (Date/time matched)

(-20) Labeled as B43C-1.5 (Date/time matched)

Collection time per label

(-6) 7:50 (-38) 10:10

(-21) 9:15 (-40) 10:25

(-49), (-50), (-52), (-53), (-56) + (-59) NO ANALYSIS requested

## Comments

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: \_\_\_\_\_

Reported by: ESB

Reviewed by: 1053

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, August 16, 2018 11:17 AM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: 9836003557 - 18-08-1130 - Sample Receipt Confirmation & COC Document

EXTERNAL EMAIL\*

Steve,

Use the following sample times:

B41A-3 DUP – 7:50  
 B43C-3 – 9:15  
 B54-3 – 10:15  
 B55-1.5 – 10:25

Please use “EB-3” as the sample name for the equipment blank. Please only analyze this sample for OCPs by 8081. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]

**Sent:** Thursday, August 16, 2018 10:57 AM

**To:** Salgado, Desi

**Cc:** Hoaibao Nguyen

**Subject:** 9836003557 - 18-08-1130 - Sample Receipt Confirmation & COC Document

Desi-

See page 13 of the attached.

Please verify samples times for the following as they differ between the COC and sample labels:

B41A-3 DUP  
 B43C-3  
 B54-3  
 B55-1.5

Sample EB-1 is labeled as EB-3, which should we use?

Also- this sample requests OCPs and PCBs to be analyzed but we only received a bottle for OCPs.

We can run for both OCPs and PCBs by EPA 608 if you like- or we can run for only OCPs by EPA 8081.

Let me know what you would like to do.



**Calscience**

## Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-08-1130

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** 9836003557

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 09/18/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: 9836003557  
Work Order Number: 18-08-1130

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 6010B STLC ICP Metals (Aqueous). . . . .	6
5	Quality Control Sample Data. . . . .	7
	5.1 MS/MSD. . . . .	7
	5.2 LCS/LCSD. . . . .	8
6	Sample Analysis Summary. . . . .	9
7	Glossary of Terms and Qualifiers. . . . .	10
8	Chain-of-Custody/Sample Receipt Form. . . . .	11

**Work Order Narrative**

Work Order: 18-08-1130

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 08/14/18. They were assigned to Work Order 18-08-1130.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client:	EFI Global Inc.	Work Order:	18-08-1130
	5261 West Imperial Highway	Project Name:	9836003557
	Los Angeles, CA 90045-6231	PO Number:	
		Date/Time Received:	08/14/18 18:30
		Number of Containers:	83

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B65-0.5	18-08-1130-69	08/13/18 14:32	1	Solid

  
Return to Contents



Calscience

**Detections Summary**

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 1 of 1

**Client SampleID**

<b><u>Analyte</u></b>	<b><u>Result</u></b>	<b><u>Qualifiers</u></b>	<b><u>RL</u></b>	<b><u>Units</u></b>	<b><u>Method</u></b>	<b><u>Extraction</u></b>
B65-0.5 (18-08-1130-69) Lead	0.492		0.100	mg/L	EPA 6010B	T22.11.5. All

Subcontracted analyses, if any, are not included in this summary.

  
Return to Contents

\* MDL is shown

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B65-0.5</b>	<b>18-08-1130-69-A</b>	<b>08/13/18 14:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/11/18</b>	<b>09/15/18 01:46</b>	<b>180913LA1</b>

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	0.492	0.100	1.00	

<b>Method Blank</b>	<b>097-05-006-9733</b>	<b>N/A</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>09/11/18</b>	<b>09/13/18 16:53</b>	<b>180913LA1</b>
---------------------	------------------------	------------	----------------	-----------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	ND	0.100	1.00	



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-09-0588-1	Sample	Solid	ICP 8300	09/11/18	09/13/18 16:56	180913SA1
18-09-0588-1	Matrix Spike	Solid	ICP 8300	09/11/18	09/13/18 16:58	180913SA1
18-09-0588-1	Matrix Spike Duplicate	Solid	ICP 8300	09/11/18	09/13/18 16:59	180913SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.752	115	5.685	114	75-125	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-05-006-9733</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>09/11/18</b>	<b>09/13/18 16:55</b>	<b>180913LA1</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	5.000	5.095	102	80-120	

  
Return to Contents



Calscience

## Sample Analysis Summary Report

Work Order: 18-08-1130

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	T22.11.5. All	771	ICP 8300	1

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-08-1130

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, September 10, 2018 1:46 PM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL \*

Steve,

Please run the following samples for lead STLC analysis:

B37C-0.5  
 B43-0.5  
 B65-0.5

Additionally, please run the following samples for lead by 6010B:

B37C-1.5  
 B37C-3

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Wednesday, September 05, 2018 4:24 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Calscience

Eurofins Calscience, LLC

Analytical Laboratory: Eurofins CalScience		Lab Contact: Nowak		Project Number: 9836003557		Quote No: 965158										
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364		Desi Salgado		Project Manager: Desi Salgado		Sampled by: Desi Salgado										
Phone: 310-854-6300		Email: desi_salgado@efiglobal.com														
Number	Sample ID	Lab ID	Type				Matrix				Preservative				Sampling Information	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time		
1	B41A-0.5	1			X										08/13/18	7:42
2	B41A-0.5 DUP	2			X										08/13/18	7:42
3	B41A-1.5	3			X										08/13/18	7:45
4	B41A-1.5 DUP	4			X										08/13/18	7:45
5	B41A-3	5			X										08/13/18	7:50
6	B41A-3 DUP	6			X										08/13/18	5:50
7	B41B-0.5	7			X										08/13/18	7:57
8	B41B-1.5	8			X										08/13/18	8:00
9	B41B-3	9			X										08/13/18	8:05
10	B41C-0.5	10			X										08/13/18	8:12
11	B41C-1.5	11			X										08/13/18	8:15
12	B41C-3	12			X										08/13/18	8:20
13	B43A-0.5	13			X										08/13/18	8:52
14	B43A-1.5	14			X										08/13/18	8:55
15	B43A-3	15			X										08/13/18	9:00
16	B43B-0.5	16			X										08/13/18	8:37
17	B43B-1.5	17			X										08/13/18	8:40
18	B43B-3	18			X										08/13/18	8:45
19	B43C-0.5	19			X										08/13/18	9:07
20	B43-1.5	20			X										08/13/18	9:10

Released by	Date	Time	Received by	Date	Time	Remarks
<i>[Signature]</i>	8/14/18	1500	<i>[Signature]</i>	8/14/18	1500	Sample condition (circle): Chilled Intact
<i>[Signature]</i>	8/14/18	1830	<i>[Signature]</i>	8/14/18	1830	

Analytical Laboratory: Eurofins CalScience										Lab Contact: Nowak		Method		Container				Turnaround Time	
Project Number: 9836003557										Quote No: 965158		<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">1130</div> </div>		Plastic Bag VOAs (by EPA 5035) Summa Cannister Tedlar Bag Normal / Standard				72 Hour 48 Hours 24 Hours	
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364										Project Manager: Desi Salgado									
Sampled by: Desi Salgado										Phone: 310-854-6300									
Email: desi_salgado@efiglobal.com																			
Number	Sample ID	Lab ID	Type			Matrix			Preservative			Sampling Information		Time					
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date						
1	B43C-3	21				X										X			
2	B50-0.5	22				X										X			
3	B50-1.5	23				X										X			
4	B50-3	24				X										X			
5	B51-0.5	25				X										X			
6	B51-0.5 DUP	26				X										X			
7	B51-1.5	27				X										X			
8	B51-1.5 DUP	28				X										X			
9	B51-3	29				X										X			
10	B51-3 DUP	30				X										X			
11	B52-0.5	31				X										X			
12	B52-1.5	32				X										X			
13	B52-3	33				X										X			
14	B53-0.5	34				X										X			
15	B53-1.5	35				X										X			
16	B54-0.5	36				X										X			
17	B54-1.5	37				X										X			
18	B54-3	38				X										X			
19	B55-0.5	39				X										X			
20	B55-1.5	40				X										X			
Relinquished by		Date		Time		Received by		Date		Time		Remarks		Time		Sample condition (circle): Chilled Intact			
[Signature]		8/14/18		1500		[Signature]		8/14/18		1500		Arctic, EPA Method 6020B OCs, EPA Method 8081A PCBs, EPA Method 8082A		1500		Sample condition (circle): Chilled Intact			
[Signature]		8/14/18		1830		[Signature]		8/14/18		1830				1830					

Analytical Laboratory: Eurofins Calscience		Lab Contact: Nowak											
Project Number: 9836003557		Quote No: 965158											
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364													
Project Manager: Desi Salgado													
Sampled by: Desi Salgado													
Phone: 310-854-6300													
Email: desi_salgado@efiglobal.com													
Number	Sample ID	Lab ID	Sampling Information										
			Type	Matrix	Preservative			Date		Time			
			Grab	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl		
1	B55-3	41		X								08/13/18	10:30
2	B56-0.5	42		X								08/13/18	10:37
3	B56-1.5	43		X								08/13/18	10:40
4	B56-3	44		X								08/13/18	10:45
5	B57-0.5	45		X								08/13/18	10:52
6	B57-1.5	46		X								08/13/18	10:55
7	B57-3	47		X								08/13/18	11:00
8	B58-0.5	48		X								08/13/18	12:22
9	B58-1.5	49		X								08/13/18	12:25
10	B58-3	50		X								08/13/18	12:30
11	B59-0.5	51		X								08/13/18	13:02
12	B59-1.5	52		X								08/13/18	13:05
13	B59-3	53		X								08/13/18	13:10
14	B60-0.5	54		X								08/13/18	13:17
15	B60-0.5 DUP	55		X								08/13/18	13:17
16	B60-1.5	56		X								08/13/18	13:20
17	B60-1.5 DUP	57		X								08/13/18	13:20
18	B60-3	58		X								08/13/18	13:25
19	B60-3 DUP	59		X								08/13/18	13:25
20	B61-0.5	60		X								08/13/18	13:32
Relinquished by: <i>[Signature]</i>			Date: 8/14/18	Time: 1500	Received by: <i>[Signature]</i>	Date: 8/14/18	Time: 1500	Remarks: Sample condition (circle): Chilled Intact					

Analytical Laboratory: Eurofins Calscience		Lab Contact: Nowak		Project Number: 9836003557		Quote No: 965158									
Project Address: 5461 Winnetka Avenue, Los Angeles, CA 91364		Project Manager: Desi Salgado		Sampled by: Desi Salgado		Phone: 310-854-6300									
Email: desi_salgado@efiglobal.com		Type		Matrix		Preservative									
Number	Sample ID	Lab ID	Grab		Composite		Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	
1	B61-1.5	61					X								
2	B61-3	62					X								
3	B62-0.5	63					X								
4	B63-0.5	64					X								
5	B63-1.5	65					X								
6	B64-0.5	66					X								
7	B64-1.5	67					X								
8	B64-3	68					X								
9	B65-0.5	69					X								
10	B65-1.5	70					X								
11	B65-3	71					X								
12	B66-0.5	72					X								
13	B66-1.5	73					X								
14	B66-3	74					X								
15	B67-0.5	75					X								
16	B67-1.5	76					X								
17	B67-3	77					X								
18	EB-1	78					X								
19	TB-1	79					X								
20															

Relinquished by:	Date	Time	Received by:	Date	Time	Remarks	
						Time	Remarks
<i>[Signature]</i>	8/14/18	1500	<i>[Signature]</i>	8/14/18	1500	Sample condition (circle): Chilled	Intact
<i>[Signature]</i>	8/14/18	1830	<i>[Signature]</i>	8/14/18	1830		

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EFI GlobalDATE: 08/14/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 1091

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1091Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 836

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ..... ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☒ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ..... ☐ Yes ☒ No ☐ N/ASample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ..... ☒ Yes ☐ No ☐ N/ASamples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ..... ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... ☒ Yes ☐ No ☐ N/AContainer(s) for certain analysis free of headspace ..... ☒ Yes ☐ No ☐ N/A☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

## CONTAINER TYPE:

(Trip Blank Lot Number: 180806B)Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_9)☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> (pH\_2) ☐ 250PB ☒ 250PB<sub>s</sub> (pH\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ<sub>s</sub> (pH\_2) ☐ 500PB☐ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> (pH\_2) ☐ 1AGB<sub>s</sub> (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☒ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 836s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 1053

## SAMPLE ANOMALY REPORT

DATE: 08/14/2018

## SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☒ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
- ☐ Project information
- ☒ Client sample ID
- ☒ Sampling date and/or time
- ☐ Number of container(s)
- ☒ Requested analysis
- ☐ Sample container(s) compromised (comment)
- ☐ Broken
- ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
- ☐ Flat
- ☐ Very low in volume
- ☐ Leaking (not transferred; duplicate bag submitted)
- ☐ Leaking (transferred into ECI Tedlar™ bags\*)
- ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble &gt; 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(-78) Received 1x 1 Liter unpreserved amber glass container for 8081A / 8082A

(-5) Labeled as B41-3 (Date/time matched)

(-78) Received 1x 1 Liter unpreserved amber glass container labeled as EB-3 (Date/time matched)

(-78) 1 of 2 250 mL plastic containers w/ HNO<sub>3</sub> labeled as EB-3 (Date/time matched)

(-20) Labeled as B43C-1.5 (Date/time matched)

Collection time per label

(-6) 7:50 (-38) 10:10

(-21) 9:15 (-40) 10:25

(-49), (-50), (-52), (-53), (-56) + (-59) NO ANALYSIS requested

## Comments

Comments: \_\_\_\_\_

Reported by: ESBReviewed by: 1053

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, August 16, 2018 11:17 AM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: 9836003557 - 18-08-1130 - Sample Receipt Confirmation & COC Document

EXTERNAL EMAIL\*

Steve,

Use the following sample times:

B41A-3 DUP – 7:50  
 B43C-3 – 9:15  
 B54-3 – 10:15  
 B55-1.5 – 10:25

Please use “EB-3” as the sample name for the equipment blank. Please only analyze this sample for OCPs by 8081. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]

**Sent:** Thursday, August 16, 2018 10:57 AM

**To:** Salgado, Desi

**Cc:** Hoaibao Nguyen

**Subject:** 9836003557 - 18-08-1130 - Sample Receipt Confirmation & COC Document

Desi-

See page 13 of the attached.

Please verify samples times for the following as they differ between the COC and sample labels:

B41A-3 DUP  
 B43C-3  
 B54-3  
 B55-1.5

Sample EB-1 is labeled as EB-3, which should we use?

Also- this sample requests OCPs and PCBs to be analyzed but we only received a bottle for OCPs.

We can run for both OCPs and PCBs by EPA 608 if you like- or we can run for only OCPs by EPA 8081.

Let me know what you would like to do.



**Calscience**

## Supplemental Report 2

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-08-1130

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** 9836003557

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 10/04/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: 9836003557  
Work Order Number: 18-08-1130

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	8
	4.1 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	8
	4.2 EPA 6010B STLC ICP Metals (Aqueous). . . . .	15
	4.3 EPA 7471A Mercury (Solid). . . . .	16
5	Quality Control Sample Data. . . . .	17
	5.1 MS/MSD. . . . .	17
	5.2 LCS/LCSD. . . . .	22
6	Sample Analysis Summary. . . . .	27
7	Glossary of Terms and Qualifiers. . . . .	28
8	Chain-of-Custody/Sample Receipt Form. . . . .	29

**Work Order Narrative**

Work Order: 18-08-1130

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 08/14/18. They were assigned to Work Order 18-08-1130.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client:	EFI Global Inc.	Work Order:	18-08-1130
	5261 West Imperial Highway	Project Name:	9836003557
	Los Angeles, CA 90045-6231	PO Number:	
		Date/Time Received:	08/14/18 18:30
		Number of Containers:	83
Attn:	Desi Salgado		

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B52-1.5	18-08-1130-32	08/13/18 09:50	1	Solid
B52-3	18-08-1130-33	08/13/18 09:55	1	Solid
B61-0.5	18-08-1130-60	08/13/18 13:32	1	Solid
B61-1.5	18-08-1130-61	08/13/18 13:35	1	Solid
B61-3	18-08-1130-62	08/13/18 13:40	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 1 of 3

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B52-1.5 (18-08-1130-32)						
Arsenic	10.9		0.758	mg/kg	EPA 6010B	EPA 3050B
Barium	212		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.684		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	3.20		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	22.4		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.77		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	29.8		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	1.80		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.48		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.7		0.253	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.1		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	55.2		1.01	mg/kg	EPA 6010B	EPA 3050B
B52-3 (18-08-1130-33)						
Arsenic	7.74		0.728	mg/kg	EPA 6010B	EPA 3050B
Barium	172		0.485	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.514		0.243	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.58		0.485	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.3		0.243	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.64		0.243	mg/kg	EPA 6010B	EPA 3050B
Copper	23.7		0.485	mg/kg	EPA 6010B	EPA 3050B
Lead	1.67		0.485	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.25		0.243	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.2		0.243	mg/kg	EPA 6010B	EPA 3050B
Vanadium	24.6		0.243	mg/kg	EPA 6010B	EPA 3050B
Zinc	44.7		0.971	mg/kg	EPA 6010B	EPA 3050B

Return to Contents

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 2 of 3

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B61-0.5 (18-08-1130-60)						
Barium	190		0.505	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.824		0.253	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.07		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	35.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.83		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	38.2		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	87.6		0.505	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	7.87		0.253	mg/kg	EPA 6010B	EPA 3050B
Nickel	35.1		0.253	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.08		0.758	mg/kg	EPA 6010B	EPA 3050B
Thallium	1.50		0.758	mg/kg	EPA 6010B	EPA 3050B
Vanadium	50.5		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	151		1.01	mg/kg	EPA 6010B	EPA 3050B
Lead	2.19		0.100	mg/L	EPA 6010B	T22.11.5. All
B61-1.5 (18-08-1130-61)						
Arsenic	8.01		0.754	mg/kg	EPA 6010B	EPA 3050B
Barium	143		0.503	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.567		0.251	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.72		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	16.5		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.01		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	24.6		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	5.77		0.503	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.44		0.251	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.4		0.251	mg/kg	EPA 6010B	EPA 3050B
Vanadium	25.3		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	59.2		1.01	mg/kg	EPA 6010B	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-08-1130  
Project Name: 9836003557  
Received: 08/14/18

Attn: Desi Salgado

Page 3 of 3

### Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
B61-3 (18-08-1130-62)						
Arsenic	6.59		0.714	mg/kg	EPA 6010B	EPA 3050B
Barium	176		0.476	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.560		0.238	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.37		0.476	mg/kg	EPA 6010B	EPA 3050B
Chromium	14.7		0.238	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.14		0.238	mg/kg	EPA 6010B	EPA 3050B
Copper	23.5		0.476	mg/kg	EPA 6010B	EPA 3050B
Lead	3.07		0.476	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.81		0.238	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.5		0.238	mg/kg	EPA 6010B	EPA 3050B
Vanadium	22.9		0.238	mg/kg	EPA 6010B	EPA 3050B
Zinc	41.6		0.952	mg/kg	EPA 6010B	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52-1.5</b>	<b>18-08-1130-32-A</b>	<b>08/13/18 09:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/28/18</b>	<b>10/02/18 19:37</b>	<b>180928L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Arsenic	10.9	0.758	1.01	
Barium	212	0.505	1.01	
Beryllium	0.684	0.253	1.01	
Cadmium	3.20	0.505	1.01	
Chromium	22.4	0.253	1.01	
Cobalt	8.77	0.253	1.01	
Copper	29.8	0.505	1.01	
Lead	1.80	0.505	1.01	
Molybdenum	1.48	0.253	1.01	
Nickel	35.7	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	31.1	0.253	1.01	
Zinc	55.2	1.01	1.01	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52-3</b>	<b>18-08-1130-33-A</b>	<b>08/13/18 09:55</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/27/18</b>	<b>10/02/18 19:38</b>	<b>180928L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.728	0.971	
Arsenic	7.74	0.728	0.971	
Barium	172	0.485	0.971	
Beryllium	0.514	0.243	0.971	
Cadmium	2.58	0.485	0.971	
Chromium	18.3	0.243	0.971	
Cobalt	5.64	0.243	0.971	
Copper	23.7	0.485	0.971	
Lead	1.67	0.485	0.971	
Molybdenum	1.25	0.243	0.971	
Nickel	31.2	0.243	0.971	
Selenium	ND	0.728	0.971	
Silver	ND	0.243	0.971	
Thallium	ND	0.728	0.971	
Vanadium	24.6	0.243	0.971	
Zinc	44.7	0.971	0.971	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 3 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61-0.5</b>	<b>18-08-1130-60-A</b>	<b>08/13/18 13:32</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 12:11</b>	<b>180821L01</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.758	1.01	
Barium	190	0.505	1.01	
Beryllium	0.824	0.253	1.01	
Cadmium	2.07	0.505	1.01	
Chromium	35.5	0.253	1.01	
Cobalt	8.83	0.253	1.01	
Copper	38.2	0.505	1.01	
Lead	87.6	0.505	1.01	
Molybdenum	7.87	0.253	1.01	
Nickel	35.1	0.253	1.01	
Selenium	1.08	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	1.50	0.758	1.01	
Vanadium	50.5	0.253	1.01	
Zinc	151	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61-1.5</b>	<b>18-08-1130-61-A</b>	<b>08/13/18 13:35</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/27/18</b>	<b>10/02/18 19:40</b>	<b>180928L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.754	1.01	
Arsenic	8.01	0.754	1.01	
Barium	143	0.503	1.01	
Beryllium	0.567	0.251	1.01	
Cadmium	1.72	0.503	1.01	
Chromium	16.5	0.251	1.01	
Cobalt	7.01	0.251	1.01	
Copper	24.6	0.503	1.01	
Lead	5.77	0.503	1.01	
Molybdenum	2.44	0.251	1.01	
Nickel	30.4	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	25.3	0.251	1.01	
Zinc	59.2	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61-3</b>	<b>18-08-1130-62-A</b>	<b>08/13/18 13:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/27/18</b>	<b>10/02/18 19:41</b>	<b>180928L04</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Antimony	ND	0.714	0.952	
Arsenic	6.59	0.714	0.952	
Barium	176	0.476	0.952	
Beryllium	0.560	0.238	0.952	
Cadmium	1.37	0.476	0.952	
Chromium	14.7	0.238	0.952	
Cobalt	7.14	0.238	0.952	
Copper	23.5	0.476	0.952	
Lead	3.07	0.476	0.952	
Molybdenum	1.81	0.238	0.952	
Nickel	23.5	0.238	0.952	
Selenium	ND	0.714	0.952	
Silver	ND	0.238	0.952	
Thallium	ND	0.714	0.952	
Vanadium	22.9	0.238	0.952	
Zinc	41.6	0.952	0.952	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-26871	N/A	Solid	ICP 8300	08/21/18	08/29/18 13:06	180821L01

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.735	0.980	
Barium	ND	0.490	0.980	
Beryllium	ND	0.245	0.980	
Cadmium	ND	0.490	0.980	
Chromium	ND	0.245	0.980	
Cobalt	ND	0.245	0.980	
Copper	ND	0.490	0.980	
Lead	ND	0.490	0.980	
Molybdenum	ND	0.245	0.980	
Nickel	ND	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	ND	0.245	0.980	
Zinc	ND	0.980	0.980	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: 9836003557

Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-27040	N/A	Solid	ICP 8300	09/28/18	10/02/18 16:25	180928L04

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Arsenic	ND	0.739	0.985	
Barium	ND	0.493	0.985	
Beryllium	ND	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	ND	0.246	0.985	
Cobalt	ND	0.246	0.985	
Copper	ND	0.493	0.985	
Lead	ND	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	ND	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	ND	0.246	0.985	
Zinc	ND	0.985	0.985	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B61-0.5	18-08-1130-60-A	08/13/18 13:32	Solid	ICP 8300	09/25/18	09/28/18 15:08	180927LA2

Comment(s): - The analysis was performed on a STLC extract of the sample.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	2.19	0.100	1.00	

Method Blank	097-05-006-9754	N/A	Aqueous	ICP 8300	09/25/18	10/01/18 15:26	180927LA2
--------------	-----------------	-----	---------	----------	----------	----------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Lead	ND	0.100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B52-1.5	18-08-1130-32-A	08/13/18 09:50	Solid	Mercury 08	10/01/18	10/01/18 14:02	181001L02

Comment(s): - Sample extracted outside recommended holding time.

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	BU,ET

B52-3	18-08-1130-33-A	08/13/18 09:55	Solid	Mercury 08	10/01/18	10/01/18 14:04	181001L02
-------	-----------------	-------------------	-------	------------	----------	-------------------	-----------

Comment(s): - Sample extracted outside recommended holding time.

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0877	1.00	BU,ET

B61-0.5	18-08-1130-60-A	08/13/18 13:32	Solid	Mercury 08	08/21/18	08/21/18 17:05	180821L04
---------	-----------------	-------------------	-------	------------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

B61-1.5	18-08-1130-61-A	08/13/18 13:35	Solid	Mercury 08	10/01/18	10/01/18 14:07	181001L02
---------	-----------------	-------------------	-------	------------	----------	-------------------	-----------

Comment(s): - Sample extracted outside recommended holding time.

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	BU,ET

B61-3	18-08-1130-62-A	08/13/18 13:40	Solid	Mercury 08	10/01/18	10/01/18 14:13	181001L02
-------	-----------------	-------------------	-------	------------	----------	-------------------	-----------

Comment(s): - Sample extracted outside recommended holding time.

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	BU,ET

Method Blank	099-16-272-4073	N/A	Solid	Mercury 08	08/21/18	08/21/18 16:14	180821L04
--------------	-----------------	-----	-------	------------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Method Blank	099-16-272-4171	N/A	Solid	Mercury 08	10/01/18	10/01/18 13:25	181001L02
--------------	-----------------	-----	-------	------------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B50-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:31</b>	<b>180821S01</b>
<b>B50-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:33</b>	<b>180821S01</b>
<b>B50-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:34</b>	<b>180821S01</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.618	22	6.718	27	50-115	18	0-20	3
Barium	170.8	25.00	199.1	4X	209.4	4X	75-125	4X	0-20	Q
Beryllium	0.7208	25.00	25.78	100	26.43	103	75-125	2	0-20	
Cadmium	1.825	25.00	29.40	110	30.17	113	75-125	3	0-20	
Chromium	30.61	25.00	57.38	107	58.18	110	75-125	1	0-20	
Cobalt	9.240	25.00	34.52	101	35.63	106	75-125	3	0-20	
Copper	30.54	25.00	55.51	100	58.29	111	75-125	5	0-20	
Lead	12.89	25.00	40.19	109	41.50	114	75-125	3	0-20	
Molybdenum	3.784	25.00	26.56	91	28.00	97	75-125	5	0-20	
Nickel	32.95	25.00	60.14	109	61.72	115	75-125	3	0-20	
Selenium	ND	25.00	25.07	100	26.56	106	75-125	6	0-20	
Silver	ND	12.50	13.03	104	13.25	106	75-125	2	0-20	
Thallium	1.488	25.00	24.20	91	25.12	95	75-125	4	0-20	
Vanadium	45.41	25.00	73.11	111	73.84	114	75-125	1	0-20	
Zinc	86.97	25.00	111.2	97	116.9	120	75-125	5	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-09-1802-10	Sample	Solid	ICP 8300	09/28/18	10/02/18 16:28	180928S04				
18-09-1802-10	Matrix Spike	Solid	ICP 8300	09/28/18	10/03/18 14:11	180928S04				
18-09-1802-10	Matrix Spike Duplicate	Solid	ICP 8300	09/28/18	10/03/18 14:12	180928S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	2.770	11	3.657	15	50-115	28	0-20	3,4
Arsenic	10.69	25.00	33.21	90	32.50	87	75-125	2	0-20	
Barium	121.9	25.00	154.2	4X	139.5	4X	75-125	4X	0-20	Q
Beryllium	0.5096	25.00	26.33	103	26.18	103	75-125	1	0-20	
Cadmium	ND	25.00	29.39	118	28.98	116	75-125	1	0-20	
Chromium	16.00	25.00	44.81	115	44.30	113	75-125	1	0-20	
Cobalt	7.647	25.00	36.36	115	35.88	113	75-125	1	0-20	
Copper	20.68	25.00	48.11	110	46.41	103	75-125	4	0-20	
Lead	66.09	25.00	69.86	15	57.01	0	75-125	20	0-20	3
Molybdenum	ND	25.00	21.90	88	22.03	88	75-125	1	0-20	
Nickel	12.45	25.00	39.22	107	38.83	106	75-125	1	0-20	
Selenium	ND	25.00	20.91	84	21.60	86	75-125	3	0-20	
Silver	ND	12.50	9.157	73	10.13	81	75-125	10	0-20	3
Thallium	ND	25.00	24.73	99	18.22	73	75-125	30	0-20	3,4
Vanadium	27.45	25.00	50.89	94	49.81	89	75-125	2	0-20	
Zinc	48.80	25.00	79.34	122	75.85	108	75-125	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: 9836003557

Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-09-1968-1	Sample	Aqueous	ICP 8300	09/27/18	09/28/18 14:39	180927SA2
18-09-1968-1	Matrix Spike	Aqueous	ICP 8300	09/27/18	09/28/18 14:40	180927SA2
18-09-1968-1	Matrix Spike Duplicate	Aqueous	ICP 8300	09/27/18	09/28/18 14:44	180927SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.589	112	5.862	117	75-125	5	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B50-0.5	Sample	Solid	Mercury 08	08/21/18	08/21/18 16:19	180821S04				
B50-0.5	Matrix Spike	Solid	Mercury 08	08/21/18	08/21/18 16:21	180821S04				
B50-0.5	Matrix Spike Duplicate	Solid	Mercury 08	08/21/18	08/21/18 16:28	180821S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.09610	0.8350	0.9563	103	0.8895	95	71-137	7	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-09-2023-1	Sample	Solid	Mercury 08	10/01/18	10/01/18 13:32	181001S02
18-09-2023-1	Matrix Spike	Solid	Mercury 08	10/01/18	10/01/18 13:34	181001S02
18-09-2023-1	Matrix Spike Duplicate	Solid	Mercury 08	10/01/18	10/01/18 13:37	181001S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.7070	85	0.6855	82	71-137	3	0-14	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-26871</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>08/21/18</b>	<b>08/27/18 11:26</b>	<b>180821L01</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	21.93	88	80-120	73-127	
Barium	25.00	25.69	103	80-120	73-127	
Beryllium	25.00	22.66	91	80-120	73-127	
Cadmium	25.00	23.88	96	80-120	73-127	
Chromium	25.00	24.11	96	80-120	73-127	
Cobalt	25.00	23.10	92	80-120	73-127	
Copper	25.00	23.66	95	80-120	73-127	
Lead	25.00	25.83	103	80-120	73-127	
Molybdenum	25.00	25.57	102	80-120	73-127	
Nickel	25.00	22.88	92	80-120	73-127	
Selenium	25.00	22.49	90	80-120	73-127	
Silver	12.50	11.75	94	80-120	73-127	
Thallium	25.00	22.74	91	80-120	73-127	
Vanadium	25.00	23.51	94	80-120	73-127	
Zinc	25.00	25.03	100	80-120	73-127	

Total number of LCS compounds: 15

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: 9836003557

Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-01-002-27040</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>09/28/18</b>	<b>10/02/18 16:27</b>	<b>180928L04</b>
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Antimony	25.00	22.34	89	80-120	73-127	
Arsenic	25.00	21.83	87	80-120	73-127	
Barium	25.00	25.11	100	80-120	73-127	
Beryllium	25.00	24.26	97	80-120	73-127	
Cadmium	25.00	24.89	100	80-120	73-127	
Chromium	25.00	24.25	97	80-120	73-127	
Cobalt	25.00	24.14	97	80-120	73-127	
Copper	25.00	23.29	93	80-120	73-127	
Lead	25.00	25.85	103	80-120	73-127	
Molybdenum	25.00	24.64	99	80-120	73-127	
Nickel	25.00	24.27	97	80-120	73-127	
Selenium	25.00	21.66	87	80-120	73-127	
Silver	12.50	11.68	93	80-120	73-127	
Thallium	25.00	22.34	89	80-120	73-127	
Vanadium	25.00	23.40	94	80-120	73-127	
Zinc	25.00	25.07	100	80-120	73-127	

Total number of LCS compounds: 16

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: 9836003557

Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>097-05-006-9754</b>	<b>LCS</b>	<b>Aqueous</b>	<b>ICP 8300</b>	<b>09/25/18</b>	<b>10/01/18 15:28</b>	<b>180927LA2</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Lead	5.000	5.472	109	80-120	

  
Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4073</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>08/21/18</b>	<b>08/21/18 16:16</b>	<b>180821L04</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.8858	106	85-121	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 08/14/18  
Work Order: 18-08-1130  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: 9836003557

Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-16-272-4171	LCS	Solid	Mercury 08	10/01/18	10/01/18 13:27	181001L02
099-16-272-4171	LCSD	Solid	Mercury 08	10/01/18	10/01/18 13:30	181001L02

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.8350	0.7705	92	0.7255	87	85-121	6	0-10	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Sample Analysis Summary Report

Work Order: 18-08-1130

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	110	ICP 8300	1
EPA 6010B	T22.11.5. All	110	ICP 8300	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1

  
Return to Contents

## Glossary of Terms and Qualifiers

Work Order: 18-08-1130

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Tuesday, September 25, 2018 10:58 AM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL \*

B61-0.5 instead of BB1-0.5. Excuse the typo.

Yes, please run the samples. Thank you!

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:StephenNowak@eurofinsUS.com]  
**Sent:** Tuesday, September 25, 2018 10:44 AM  
**To:** Salgado, Desi  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

Desi-  
 Please check this-  
*Additionally, please run **BB1-0.5** for lead STLC*  
 We don't have a sample BB1-0.5.

Additionally-  
 OK to run the mercury (part of T22 metals) past the holding time (28 days)?

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Tuesday, September 25, 2018 10:14 AM  
**To:** Stephen Nowak  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL\*

Steve,

Please run samples B52-1.5, B52-3, B61-1.5, and B61-3 for Title 22 metals by 6010B/7471A. Additionally, please run BB1-0.5 for lead STLC analysis. Thanks.

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:StephenNowak@eurofinsUS.com]  
**Sent:** Wednesday, September 12, 2018 9:34 AM  
**To:** Salgado, Desi  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

OK- will do.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Calscience](http://www.eurofinsUS.com/Calscience)



## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, September 10, 2018 1:46 PM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: Taft Charter High School / ECI 18-07-0811

EXTERNAL EMAIL \*

Steve,

Please run the following samples for lead STLC analysis:

B37C-0.5  
 B43-0.5  
 B65-0.5

Additionally, please run the following samples for lead by 6010B:

B37C-1.5  
 B37C-3

Please let me know if you have any questions. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Wednesday, September 05, 2018 4:24 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** Taft Charter High School / ECI 18-07-0811

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Calscience




Eurofins Calscience, LLC

Analytical Laboratory: Eurofins Calscience		Lab Contact: Nowak
Project Number:	9836003557	Quote No: 965158
Project Address:	5461 Winnetka Avenue, Los Angeles, CA 91364	
Project Manager:	Desi Salgado	
Sampled by:	Desi Salgado	
Phone:	310-854-6300	
Email:	desi_salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		Metals, EPA Method 6010B/7470A	Arsenic, EPA Method 6020B	OCs, EPA Method 8081A	PCBs, EPA Method 8082A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
--------	-----------	--------	------	--	--------	--	--	--------------	--	--	--	----------------------	--	--------------------------------	---------------------------	-----------------------	------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Relinquished by:	Date	Time	Received by:	Date	Time	Remarks
<i>[Signature]</i>	8/14/18	1500	<i>[Signature]</i>	8/14/18	1500	Sample condition (circle): Chilled Intact
<i>[Signature]</i>	8/14/18	1830	<i>[Signature]</i>	8/14/18	1830	

**EFI 081318-2**

Relinquished by	Date	Time	Received by	Date
	8/14/18	1500		8/14/18
	8/14/18	1830		8/14/18

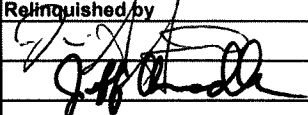
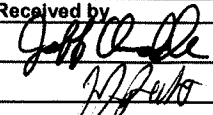

Time	Remarks
1500	Sample condition (circle): Chilled      Intact
1830	

# Chain-of-Custody Record

EFI\_081318-3

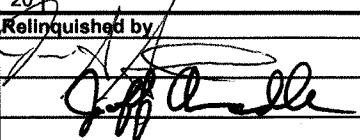


Analytical Laboratory: Eurofins Calscience		Lab Contact: Nowak
Project Number:	9836003557	Quote No: 965158
Project Address:	5461 Winnetka Avenue, Los Angeles, CA 91364	
Project Manager:	Desi Salgado	
Sampled by:	Desi Salgado	
Phone:	310-854-6300	
Email:	desi_salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		Metals, EPA Meth	Arsenic, EPA Meth	OCPs, EPA Meth	PCBs, EPA Meth																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
--------	-----------	--------	------	--	--------	--	--	--------------	--	--	--	----------------------	--	------------------	-------------------	----------------	----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	8/14/18	1500		8/14/18	1500	Sample condition (circle): Chilled Intact
	8/14/18	1830		8/14/18	1830	

Analytical Laboratory: Eurofins Calscience		Lab Contact: Nowak
Project Number:	9836003557	Quote No: 965158
Project Address:	5461 Winnetka Avenue, Los Angeles, CA 91364	
Project Manager:	Desi Salgado	
Sampled by:	Desi Salgado	
Phone:	310-854-6300	
Email:	desi_salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		Metals, EPA Meth	Arsenic, EPA Meth	OCPs, EPA Meth	PCBs, EPA Meth																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
--------	-----------	--------	------	--	--------	--	--	--	--------------	--	--	--	----------------------	--	------------------	-------------------	----------------	----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Relinquished by:	Date	Time	Received by:	Date	Time	Remarks
	8/14/18	1500		8/14/18	1500	Sample condition (circle): Chilled Intact
	8/14/18	1830		8/14/18	1830	

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: EFI GlobalDATE: 08/14/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.3 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 1091

## CUSTODY SEAL:

Cooler ☐ Present and Intact☐ Present but Not Intact☒ Not Present☐ N/AChecked by: 1091Sample(s) ☐ Present and Intact☐ Present but Not Intact☒ Not Present☐ N/AChecked by: 836

## SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ..... ☒ Yes ☒ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☒ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ..... ☐ Yes ☒ No ☐ N/ASample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ..... ☒ Yes ☒ No ☐ N/ASamples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ..... ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ..... ☒ Yes ☐ No ☐ N/AContainer(s) for certain analysis free of headspace ..... ☒ Yes ☐ No ☐ N/A☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

## CONTAINER TYPE:

(Trip Blank Lot Number: 180806B)Aqueous: ☐ VOA ☒ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_9)☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> (pH\_2) ☐ 250PB ☒ 250PB<sub>h</sub> (pH\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ<sub>s</sub> (pH\_2) ☐ 500PB☐ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> (pH\_2) ☐ 1AGB<sub>s</sub> (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Solid: ☒ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 836s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>·H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOHReviewed by: 1053

## SAMPLE ANOMALY REPORT

DATE: 08/14/2018

## SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☒ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☒ Client sample label(s) do not match COC (comment)
- ☐ Project information
- ☒ Client sample ID
- ☒ Sampling date and/or time
- ☐ Number of container(s)
- ☒ Requested analysis
- ☐ Sample container(s) compromised (comment)
- ☐ Broken
- ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
- ☐ Flat
- ☐ Very low in volume
- ☐ Leaking (not transferred; duplicate bag submitted)
- ☐ Leaking (transferred into ECI Tedlar™ bags\*)
- ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble &gt; 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

- (-78) Received 1x 1 Liter unpreserved amber glass container for 8081A / 8082A
- (-5) Labeled as B41-3 (Date/time matched)
- (-78) Received 1x 1 Liter unpreserved amber glass container labeled as EB-3 (Date/time matched)
- (-78) 1 of 2 250 mL plastic containers w/ HNO<sub>3</sub> labeled as EB-3 (Date/time matched)
- (-20) Labeled as B43C-1.5 (Date/time matched)
- Collection time per label
- (-6) 7:50 (-38) 10:10
- (-21) 9:15 (-40) 10:25
- (-49), (-50), (-52), (-53), (-56) + (-59) NO ANALYSIS requested

## Comments

Comments: \_\_\_\_\_

Reported by: ESBReviewed by: 1053

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Thursday, August 16, 2018 11:17 AM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: 9836003557 - 18-08-1130 - Sample Receipt Confirmation & COC Document

EXTERNAL EMAIL\*

Steve,

Use the following sample times:

B41A-3 DUP – 7:50  
 B43C-3 – 9:15  
 B54-3 – 10:15  
 B55-1.5 – 10:25

Please use “EB-3” as the sample name for the equipment blank. Please only analyze this sample for OCPs by 8081. Thanks!

Sincerely,

**Desi Salgado** | Project Manager

EFI Global, Inc.

Los Angeles, CA

DIRECT 310.854.6300 | FAX 310.854.0199

CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)

CSLB License #: 885902 – A, B, HAZ, ASB

[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Thursday, August 16, 2018 10:57 AM  
**To:** Salgado, Desi  
**Cc:** Hoaibao Nguyen  
**Subject:** 9836003557 - 18-08-1130 - Sample Receipt Confirmation & COC Document

Desi-  
 See page 13 of the attached.

Please verify samples times for the following as they differ between the COC and sample labels:

B41A-3 DUP  
 B43C-3  
 B54-3  
 B55-1.5

Sample EB-1 is labeled as EB-3, which should we use?

Also- this sample requests OCPs and PCBs to be analyzed but we only received a bottle for OCPs. We can run for both OCPs and PCBs by EPA 608 if you like- or we can run for only OCPs by EPA 8081.

Let me know what you would like to do.



Calscience

**WORK ORDER NUMBER: 18-11-1814***The difference is service*

AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For****Client:** EFI Global Inc.**Client Project Name:** LAUSD Taft HS / 9836003557**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

---

Approved for release on 12/04/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: LAUSD Taft HS / 9836003557  
 Work Order Number: 18-11-1814

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	7
4	Client Sample Data. . . . .	11
	4.1 EPA 6010B ICP Metals (Solid). . . . .	11
	4.2 EPA 6020 ICP/MS Metals (Solid). . . . .	17
	4.3 EPA 8081A Organochlorine Pesticides (Solid). . . . .	23
	4.4 EPA 8260B Volatile Organics (Solid). . . . .	64
5	Quality Control Sample Data. . . . .	73
	5.1 MS/MSD. . . . .	73
	5.2 PDS/PDSD. . . . .	80
	5.3 LCS/LCSD. . . . .	82
6	Sample Analysis Summary. . . . .	89
7	Glossary of Terms and Qualifiers. . . . .	90
8	Chain-of-Custody/Sample Receipt Form. . . . .	91

**Work Order Narrative**

Work Order: 18-11-1814

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 11/21/18. They were assigned to Work Order 18-11-1814.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-11-1814
5261 West Imperial Highway	Project Name: LAUSD Taft HS / 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 11/21/18 17:10
	Number of Containers: 101
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B68-0.5	18-11-1814-1	11/19/18 12:40	1	Solid
B68-2	18-11-1814-2	11/19/18 12:45	1	Solid
B69-0.5	18-11-1814-3	11/19/18 12:50	1	Solid
B69-2	18-11-1814-4	11/19/18 12:55	1	Solid
B70-0.5	18-11-1814-5	11/20/18 09:00	1	Solid
B70-2	18-11-1814-6	11/20/18 09:05	1	Solid
B71-0.5	18-11-1814-7	11/20/18 09:10	1	Solid
B71-2	18-11-1814-8	11/20/18 09:15	1	Solid
B72-0.5	18-11-1814-9	11/20/18 09:20	1	Solid
B72-2	18-11-1814-10	11/20/18 09:25	1	Solid
B73-0.5	18-11-1814-11	11/19/18 12:40	1	Solid
B73-2	18-11-1814-12	11/19/18 12:45	1	Solid
B74-0.5	18-11-1814-13	11/19/18 13:00	1	Solid
B74-2	18-11-1814-14	11/19/18 13:05	1	Solid
B75-0.5	18-11-1814-15	11/19/18 13:30	1	Solid
B75-2	18-11-1814-16	11/19/18 13:35	1	Solid
B76-0.5	18-11-1814-17	11/20/18 09:40	1	Solid
B76-2	18-11-1814-18	11/20/18 09:45	1	Solid
B77-0.5	18-11-1814-19	11/20/18 09:30	1	Solid
B77-2	18-11-1814-20	11/20/18 09:35	1	Solid
B78-0.5	18-11-1814-21	11/19/18 12:30	1	Solid
B78-2	18-11-1814-22	11/19/18 12:35	1	Solid
B79-0.5	18-11-1814-23	11/19/18 13:10	1	Solid
B79-2	18-11-1814-24	11/19/18 13:15	1	Solid
B80-0.5	18-11-1814-25	11/19/18 13:20	1	Solid
B80-2	18-11-1814-26	11/19/18 13:25	1	Solid
B81-0.5	18-11-1814-27	11/20/18 09:50	1	Solid
B81-2	18-11-1814-28	11/20/18 09:55	1	Solid
B82-0.5	18-11-1814-29	11/20/18 10:00	1	Solid
B82-2	18-11-1814-30	11/20/18 10:05	1	Solid
B83-0.5	18-11-1814-31	11/19/18 10:15	1	Solid
B83-1.5	18-11-1814-32	11/19/18 10:20	1	Solid
B83-3	18-11-1814-33	11/19/18 10:25	1	Solid
B84-0.5	18-11-1814-34	11/19/18 10:00	1	Solid
B84-1.5	18-11-1814-35	11/19/18 10:05	1	Solid
B84-3	18-11-1814-36	11/19/18 10:10	1	Solid
B85-0.5	18-11-1814-37	11/19/18 09:45	1	Solid
B85-1.5	18-11-1814-38	11/19/18 09:50	1	Solid
B85-3	18-11-1814-39	11/19/18 09:55	1	Solid
B86-0.5	18-11-1814-40	11/19/18 09:30	1	Solid
B86-1.5	18-11-1814-41	11/19/18 09:35	1	Solid
B86-3	18-11-1814-42	11/19/18 09:40	1	Solid


 Return to Contents



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-11-1814
5261 West Imperial Highway	Project Name: LAUSD Taft HS / 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 11/21/18 17:10
	Number of Containers: 101
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B87-0.5	18-11-1814-43	11/19/18 09:15	1	Solid
B87-1.5	18-11-1814-44	11/19/18 09:17	1	Solid
B87-3	18-11-1814-45	11/19/18 09:19	1	Solid
B88-0.5	18-11-1814-46	11/19/18 08:50	1	Solid
B88-1.5	18-11-1814-47	11/19/18 08:52	1	Solid
B88-3	18-11-1814-48	11/19/18 08:54	1	Solid
B89-0.5	18-11-1814-49	11/19/18 08:50	1	Solid
B89-1.5	18-11-1814-50	11/19/18 08:52	1	Solid
B89-3	18-11-1814-51	11/19/18 08:54	1	Solid
B90-0.5	18-11-1814-52	11/19/18 10:30	1	Solid
B90-1.5	18-11-1814-53	11/19/18 10:35	1	Solid
B90-3	18-11-1814-54	11/19/18 10:40	1	Solid
B91-0.5	18-11-1814-55	11/19/18 10:45	1	Solid
B91-1.5	18-11-1814-56	11/19/18 10:50	1	Solid
B91-3	18-11-1814-57	11/19/18 10:55	1	Solid
B92-0.5	18-11-1814-58	11/19/18 11:00	1	Solid
B92-1.5	18-11-1814-59	11/19/18 11:05	1	Solid
B92-3	18-11-1814-60	11/19/18 11:10	1	Solid
B93-0.5	18-11-1814-61	11/19/18 11:15	1	Solid
B93-1.5	18-11-1814-62	11/19/18 11:20	1	Solid
B93-3	18-11-1814-63	11/19/18 11:25	1	Solid
B94-0.5	18-11-1814-64	11/19/18 11:30	1	Solid
B94-1.5	18-11-1814-65	11/19/18 11:35	1	Solid
B94-3	18-11-1814-66	11/19/18 11:40	1	Solid
B95-0.5	18-11-1814-67	11/21/18 10:25	1	Solid
B95-1.5	18-11-1814-68	11/21/18 10:30	1	Solid
B95-3	18-11-1814-69	11/21/18 10:35	1	Solid
B95-6	18-11-1814-70	11/21/18 10:40	1	Solid
B96-0.5	18-11-1814-71	11/21/18 10:25	1	Solid
B96-1.5	18-11-1814-72	11/21/18 10:30	1	Solid
B96-3	18-11-1814-73	11/21/18 10:35	1	Solid
B96-6	18-11-1814-74	11/21/18 10:40	1	Solid
B61A-0.5	18-11-1814-75	11/20/18 10:40	1	Solid
B61A-1.5	18-11-1814-76	11/20/18 10:45	1	Solid
B61A-3	18-11-1814-77	11/20/18 10:50	1	Solid
B61B-0.5	18-11-1814-78	11/20/18 10:55	1	Solid
B61B-1.5	18-11-1814-79	11/20/18 11:00	1	Solid
B61B-3	18-11-1814-80	11/20/18 11:05	1	Solid
B61C-0.5	18-11-1814-81	11/20/18 11:10	1	Solid
B61C-1.5	18-11-1814-82	11/20/18 11:15	1	Solid
B61C-3	18-11-1814-83	11/20/18 11:20	1	Solid
B52A-0.5	18-11-1814-84	11/21/18 09:00	1	Solid

Return to Contents



Calscience

## Sample Summary

Client: EFI Global Inc.	Work Order: 18-11-1814
5261 West Imperial Highway	Project Name: LAUSD Taft HS / 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 11/21/18 17:10
	Number of Containers: 101
Attn: Desi Salgado	

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B52A-1.5	18-11-1814-85	11/21/18 09:05	1	Solid
B52A-3	18-11-1814-86	11/21/18 09:10	1	Solid
B52B-0.5	18-11-1814-87	11/21/18 09:15	1	Solid
B52B-1.5	18-11-1814-88	11/21/18 09:20	1	Solid
B52B-3	18-11-1814-89	11/21/18 09:25	1	Solid
B52C-0.5	18-11-1814-90	11/21/18 09:30	1	Solid
B52C-1.5	18-11-1814-91	11/21/18 09:35	1	Solid
B52C-3	18-11-1814-92	11/21/18 09:40	1	Solid
B52B-1.5 DUP	18-11-1814-93	11/21/18 09:20	1	Solid
B61B-0.5 DUP	18-11-1814-94	11/20/18 10:55	1	Solid
B73-0.5 DUP	18-11-1814-95	11/19/18 12:40	1	Solid
B77-2 DUP	18-11-1814-96	11/20/18 09:35	1	Solid
B80-0.5 DUP	18-11-1814-97	11/19/18 13:20	1	Solid
B83-1.5 DUP	18-11-1814-98	11/19/18 10:20	1	Solid
B86-0.5 DUP	18-11-1814-99	11/19/18 09:30	1	Solid
B96-1.5 DUP	18-11-1814-100	11/21/18 10:30	1	Solid
B92-3_DUP	18-11-1814-101	11/19/18 11:10	1	Solid

[Return to Contents](#)



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1814  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 1 of 4

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B68-0.5 (18-11-1814-1)						
Lead	30.5		0.508	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.22		1.00	mg/kg	EPA 6020	EPA 3050B
B69-0.5 (18-11-1814-3)						
Lead	21.5		0.488	mg/kg	EPA 6010B	EPA 3050B
Arsenic	9.17		1.00	mg/kg	EPA 6020	EPA 3050B
B70-0.5 (18-11-1814-5)						
Lead	21.8		0.476	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.62		1.00	mg/kg	EPA 6020	EPA 3050B
B71-0.5 (18-11-1814-7)						
Lead	4.92		0.524	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.92		1.00	mg/kg	EPA 6020	EPA 3050B
B72-0.5 (18-11-1814-9)						
Lead	10.9		0.510	mg/kg	EPA 6010B	EPA 3050B
Arsenic	10.4		1.00	mg/kg	EPA 6020	EPA 3050B
B73-0.5 (18-11-1814-11)						
Lead	6.28		0.510	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.15		1.00	mg/kg	EPA 6020	EPA 3050B
B74-0.5 (18-11-1814-13)						
Lead	7.71		0.515	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.54		1.00	mg/kg	EPA 6020	EPA 3050B
B75-0.5 (18-11-1814-15)						
Lead	16.2		0.508	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.23		1.00	mg/kg	EPA 6020	EPA 3050B
B76-0.5 (18-11-1814-17)						
Lead	6.63		0.508	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.17		1.00	mg/kg	EPA 6020	EPA 3050B
B77-0.5 (18-11-1814-19)						
Lead	16.9		0.505	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.27		1.00	mg/kg	EPA 6020	EPA 3050B
B78-0.5 (18-11-1814-21)						
Lead	5.38		0.505	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.44		1.00	mg/kg	EPA 6020	EPA 3050B
B79-0.5 (18-11-1814-23)						
Lead	15.4		0.483	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.94		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	7.0		5.0	ug/kg	EPA 8081A	EPA 3545

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1814  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 2 of 4

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B80-0.5 (18-11-1814-25)						
Lead	6.63		0.515	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.50		1.00	mg/kg	EPA 6020	EPA 3050B
B81-0.5 (18-11-1814-27)						
Lead	3.34		0.503	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.09		1.00	mg/kg	EPA 6020	EPA 3050B
B82-0.5 (18-11-1814-29)						
Lead	7.42		0.500	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.76		1.00	mg/kg	EPA 6020	EPA 3050B
B83-0.5 (18-11-1814-31)						
Lead	17.3		0.488	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.42		1.00	mg/kg	EPA 6020	EPA 3050B
B84-0.5 (18-11-1814-34)						
Lead	18.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Arsenic	4.62		1.00	mg/kg	EPA 6020	EPA 3050B
B85-0.5 (18-11-1814-37)						
Lead	24.0		0.505	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.06		1.00	mg/kg	EPA 6020	EPA 3050B
B86-0.5 (18-11-1814-40)						
Lead	16.9		0.476	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.91		1.00	mg/kg	EPA 6020	EPA 3050B
B87-0.5 (18-11-1814-43)						
Lead	23.1		0.483	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.24		1.00	mg/kg	EPA 6020	EPA 3050B
B88-0.5 (18-11-1814-46)						
Lead	15.9		0.508	mg/kg	EPA 6010B	EPA 3050B
Arsenic	2.68		1.00	mg/kg	EPA 6020	EPA 3050B
B89-0.5 (18-11-1814-49)						
Lead	14.5		0.478	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.72		1.00	mg/kg	EPA 6020	EPA 3050B
B90-0.5 (18-11-1814-52)						
Lead	16.3		0.493	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.49		1.00	mg/kg	EPA 6020	EPA 3050B
B91-0.5 (18-11-1814-55)						
Lead	13.0		0.481	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.85		1.00	mg/kg	EPA 6020	EPA 3050B
B92-0.5 (18-11-1814-58)						
Lead	16.3		0.481	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.28		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1814  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 3 of 4

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B93-0.5 (18-11-1814-61)						
Lead	16.2		0.508	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.75		1.00	mg/kg	EPA 6020	EPA 3050B
B94-0.5 (18-11-1814-64)						
Lead	10.8		0.493	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.58		1.00	mg/kg	EPA 6020	EPA 3050B
B95-0.5 (18-11-1814-67)						
Lead	5.13		0.498	mg/kg	EPA 6010B	EPA 3050B
Arsenic	3.83		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	7.9		5.0	ug/kg	EPA 8081A	EPA 3545
B96-0.5 (18-11-1814-71)						
Lead	4.48		0.513	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.97		1.00	mg/kg	EPA 6020	EPA 3050B
B61A-0.5 (18-11-1814-75)						
Lead	46.7		0.513	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.64		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	390		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	91		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	89		50	ug/kg	EPA 8081A	EPA 3545
Dieldrin	7.6		5.0	ug/kg	EPA 8081A	EPA 3545
B61B-0.5 (18-11-1814-78)						
Lead	13.5		0.515	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.03		1.00	mg/kg	EPA 6020	EPA 3050B
4,4'-DDE	12		4.9	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	10		4.9	ug/kg	EPA 8081A	EPA 3545
B61C-0.5 (18-11-1814-81)						
Lead	45.4		0.481	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.86		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	200		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDD	15		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	46		25	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	57		25	ug/kg	EPA 8081A	EPA 3545
B52A-0.5 (18-11-1814-84)						
Lead	2.25		0.515	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.49		1.00	mg/kg	EPA 6020	EPA 3050B

\* MDL is shown



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1814  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 4 of 4

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B52B-0.5 (18-11-1814-87)						
Lead	13.6		0.505	mg/kg	EPA 6010B	EPA 3050B
Arsenic	7.78		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	75		49	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	20		4.9	ug/kg	EPA 8081A	EPA 3545
B52C-0.5 (18-11-1814-90)						
Lead	7.56		0.488	mg/kg	EPA 6010B	EPA 3050B
Arsenic	12.4		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	64		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	12		5.0	ug/kg	EPA 8081A	EPA 3545
B61B-0.5 DUP (18-11-1814-94)						
Lead	24.4		0.503	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.46		1.00	mg/kg	EPA 6020	EPA 3050B
Chlordane	65		50	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	19		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	35		5.0	ug/kg	EPA 8081A	EPA 3545
B73-0.5 DUP (18-11-1814-95)						
Lead	5.56		0.500	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.53		1.00	mg/kg	EPA 6020	EPA 3050B
B80-0.5 DUP (18-11-1814-97)						
Lead	7.60		0.498	mg/kg	EPA 6010B	EPA 3050B
Arsenic	8.33		1.00	mg/kg	EPA 6020	EPA 3050B
B86-0.5 DUP (18-11-1814-99)						
Lead	14.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Arsenic	6.40		1.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B68-0.5</b>	<b>18-11-1814-1-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 21:57</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		30.5		0.508	1.02		
<b>B69-0.5</b>	<b>18-11-1814-3-A</b>	<b>11/19/18 12:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:00</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		21.5		0.488	0.976		
<b>B70-0.5</b>	<b>18-11-1814-5-A</b>	<b>11/20/18 09:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:01</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		21.8		0.476	0.952		
<b>B71-0.5</b>	<b>18-11-1814-7-A</b>	<b>11/20/18 09:10</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:02</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		4.92		0.524	1.05		
<b>B72-0.5</b>	<b>18-11-1814-9-A</b>	<b>11/20/18 09:20</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:03</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		10.9		0.510	1.02		
<b>B73-0.5</b>	<b>18-11-1814-11-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:06</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		6.28		0.510	1.02		
<b>B74-0.5</b>	<b>18-11-1814-13-A</b>	<b>11/19/18 13:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:08</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		7.71		0.515	1.03		
<b>B75-0.5</b>	<b>18-11-1814-15-A</b>	<b>11/19/18 13:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:09</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Lead		16.2		0.508	1.02		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B76-0.5</b>	<b>18-11-1814-17-A</b>	<b>11/20/18 09:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:10</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		6.63	0.508		1.02		
<b>B77-0.5</b>	<b>18-11-1814-19-A</b>	<b>11/20/18 09:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:11</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		16.9	0.505		1.01		
<b>B78-0.5</b>	<b>18-11-1814-21-A</b>	<b>11/19/18 12:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:12</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		5.38	0.505		1.01		
<b>B79-0.5</b>	<b>18-11-1814-23-A</b>	<b>11/19/18 13:10</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:12</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		15.4	0.483		0.966		
<b>B80-0.5</b>	<b>18-11-1814-25-A</b>	<b>11/19/18 13:20</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:13</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		6.63	0.515		1.03		
<b>B81-0.5</b>	<b>18-11-1814-27-A</b>	<b>11/20/18 09:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:14</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		3.34	0.503		1.01		
<b>B82-0.5</b>	<b>18-11-1814-29-A</b>	<b>11/20/18 10:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:15</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		7.42	0.500		1.00		
<b>B83-0.5</b>	<b>18-11-1814-31-A</b>	<b>11/19/18 10:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:19</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		17.3	0.488		0.976		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B84-0.5</b>	<b>18-11-1814-34-A</b>	<b>11/19/18 10:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:20</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		18.2	0.500		1.00		
<b>B85-0.5</b>	<b>18-11-1814-37-A</b>	<b>11/19/18 09:45</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:21</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		24.0	0.505		1.01		
<b>B86-0.5</b>	<b>18-11-1814-40-A</b>	<b>11/19/18 09:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:22</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		16.9	0.476		0.952		
<b>B87-0.5</b>	<b>18-11-1814-43-A</b>	<b>11/19/18 09:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:23</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		23.1	0.483		0.966		
<b>B88-0.5</b>	<b>18-11-1814-46-A</b>	<b>11/19/18 08:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:28</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		15.9	0.508		1.02		
<b>B89-0.5</b>	<b>18-11-1814-49-A</b>	<b>11/19/18 08:50</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:34</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		14.5	0.478		0.957		
<b>B90-0.5</b>	<b>18-11-1814-52-A</b>	<b>11/19/18 10:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:35</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		16.3	0.493		0.985		
<b>B91-0.5</b>	<b>18-11-1814-55-A</b>	<b>11/19/18 10:45</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:36</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		13.0	0.481		0.962		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
 5261 West Imperial Highway  
 Los Angeles, CA 90045-6231

Date Received: 11/21/18  
 Work Order: 18-11-1814  
 Preparation: EPA 3050B  
 Method: EPA 6010B  
 Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B92-0.5</b>	<b>18-11-1814-58-A</b>	<b>11/19/18 11:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:37</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		16.3		0.481		0.962	
<b>B93-0.5</b>	<b>18-11-1814-61-A</b>	<b>11/19/18 11:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:38</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		16.2		0.508		1.02	
<b>B94-0.5</b>	<b>18-11-1814-64-A</b>	<b>11/19/18 11:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:39</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		10.8		0.493		0.985	
<b>B95-0.5</b>	<b>18-11-1814-67-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:40</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		5.13		0.498		0.995	
<b>B96-0.5</b>	<b>18-11-1814-71-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:41</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		4.48		0.513		1.03	
<b>B61A-0.5</b>	<b>18-11-1814-75-A</b>	<b>11/20/18 10:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:42</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		46.7		0.513		1.03	
<b>B61B-0.5</b>	<b>18-11-1814-78-A</b>	<b>11/20/18 10:55</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:45</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		13.5		0.515		1.03	
<b>B61C-0.5</b>	<b>18-11-1814-81-A</b>	<b>11/20/18 11:10</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:47</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Lead		45.4		0.481		0.962	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52A-0.5</b>	<b>18-11-1814-84-A</b>	<b>11/21/18 09:00</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:47</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		2.25	0.515		1.03		
<b>B52B-0.5</b>	<b>18-11-1814-87-A</b>	<b>11/21/18 09:15</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:48</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		13.6	0.505		1.01		
<b>B52C-0.5</b>	<b>18-11-1814-90-A</b>	<b>11/21/18 09:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:49</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		7.56	0.488		0.976		
<b>B61B-0.5 DUP</b>	<b>18-11-1814-94-A</b>	<b>11/20/18 10:55</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:51</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		24.4	0.503		1.01		
<b>B73-0.5 DUP</b>	<b>18-11-1814-95-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:52</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		5.56	0.500		1.00		
<b>B80-0.5 DUP</b>	<b>18-11-1814-97-A</b>	<b>11/19/18 13:20</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:53</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		7.60	0.498		0.995		
<b>B86-0.5 DUP</b>	<b>18-11-1814-99-A</b>	<b>11/19/18 09:30</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:54</b>	<b>181127L03A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		14.7	0.500		1.00		
<b>Method Blank</b>	<b>097-01-002-27327</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 21:53</b>	<b>181127L02A</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Lead		ND	0.483		0.966		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-27328	N/A	Solid	ICP 8300	11/27/18	11/28/18 22:24	181127L03A

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.490	0.980	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B68-0.5</b>	<b>18-11-1814-1-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 17:51</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.22	1.00		1.00		
<b>B69-0.5</b>	<b>18-11-1814-3-A</b>	<b>11/19/18 12:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 17:55</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		9.17	1.00		1.00		
<b>B70-0.5</b>	<b>18-11-1814-5-A</b>	<b>11/20/18 09:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 17:58</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.62	1.00		1.00		
<b>B71-0.5</b>	<b>18-11-1814-7-A</b>	<b>11/20/18 09:10</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:02</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.92	1.00		1.00		
<b>B72-0.5</b>	<b>18-11-1814-9-A</b>	<b>11/20/18 09:20</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:05</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		10.4	1.00		1.00		
<b>B73-0.5</b>	<b>18-11-1814-11-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:19</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.15	1.00		1.00		
<b>B74-0.5</b>	<b>18-11-1814-13-A</b>	<b>11/19/18 13:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:23</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.54	1.00		1.00		
<b>B75-0.5</b>	<b>18-11-1814-15-A</b>	<b>11/19/18 13:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:26</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.23	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B76-0.5</b>	<b>18-11-1814-17-A</b>	<b>11/20/18 09:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:30</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.17	1.00		1.00		
<b>B77-0.5</b>	<b>18-11-1814-19-A</b>	<b>11/20/18 09:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:33</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.27	1.00		1.00		
<b>B78-0.5</b>	<b>18-11-1814-21-A</b>	<b>11/19/18 12:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:37</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.44	1.00		1.00		
<b>B79-0.5</b>	<b>18-11-1814-23-A</b>	<b>11/19/18 13:10</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:40</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.94	1.00		1.00		
<b>B80-0.5</b>	<b>18-11-1814-25-A</b>	<b>11/19/18 13:20</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:44</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.50	1.00		1.00		
<b>B81-0.5</b>	<b>18-11-1814-27-A</b>	<b>11/20/18 09:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:47</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.09	1.00		1.00		
<b>B82-0.5</b>	<b>18-11-1814-29-A</b>	<b>11/20/18 10:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 18:51</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.76	1.00		1.00		
<b>B83-0.5</b>	<b>18-11-1814-31-A</b>	<b>11/19/18 10:15</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 19:26</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.42	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B84-0.5</b>	<b>18-11-1814-34-A</b>	<b>11/19/18 10:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 19:30</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		4.62	1.00		1.00		
<b>B85-0.5</b>	<b>18-11-1814-37-A</b>	<b>11/19/18 09:45</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 19:33</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.06	1.00		1.00		
<b>B86-0.5</b>	<b>18-11-1814-40-A</b>	<b>11/19/18 09:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 19:37</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.91	1.00		1.00		
<b>B87-0.5</b>	<b>18-11-1814-43-A</b>	<b>11/19/18 09:15</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 19:40</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.24	1.00		1.00		
<b>B88-0.5</b>	<b>18-11-1814-46-A</b>	<b>11/19/18 08:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:19</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		2.68	1.00		1.00		
<b>B89-0.5</b>	<b>18-11-1814-49-A</b>	<b>11/19/18 08:50</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:22</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.72	1.00		1.00		
<b>B90-0.5</b>	<b>18-11-1814-52-A</b>	<b>11/19/18 10:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:26</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.49	1.00		1.00		
<b>B91-0.5</b>	<b>18-11-1814-55-A</b>	<b>11/19/18 10:45</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:29</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.85	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B92-0.5</b>	<b>18-11-1814-58-A</b>	<b>11/19/18 11:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:33</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.28	1.00		1.00		
<b>B93-0.5</b>	<b>18-11-1814-61-A</b>	<b>11/19/18 11:15</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:37</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.75	1.00		1.00		
<b>B94-0.5</b>	<b>18-11-1814-64-A</b>	<b>11/19/18 11:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:40</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.58	1.00		1.00		
<b>B95-0.5</b>	<b>18-11-1814-67-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:44</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		3.83	1.00		1.00		
<b>B96-0.5</b>	<b>18-11-1814-71-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 20:58</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.97	1.00		1.00		
<b>B61A-0.5</b>	<b>18-11-1814-75-A</b>	<b>11/20/18 10:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:01</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.64	1.00		1.00		
<b>B61B-0.5</b>	<b>18-11-1814-78-A</b>	<b>11/20/18 10:55</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:05</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.03	1.00		1.00		
<b>B61C-0.5</b>	<b>18-11-1814-81-A</b>	<b>11/20/18 11:10</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:08</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.86	1.00		1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52A-0.5</b>	<b>18-11-1814-84-A</b>	<b>11/21/18 09:00</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:12</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.49	1.00		1.00		
<b>B52B-0.5</b>	<b>18-11-1814-87-A</b>	<b>11/21/18 09:15</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:15</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		7.78	1.00		1.00		
<b>B52C-0.5</b>	<b>18-11-1814-90-A</b>	<b>11/21/18 09:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:19</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		12.4	1.00		1.00		
<b>B61B-0.5 DUP</b>	<b>18-11-1814-94-A</b>	<b>11/20/18 10:55</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:22</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.46	1.00		1.00		
<b>B73-0.5 DUP</b>	<b>18-11-1814-95-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:26</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		5.53	1.00		1.00		
<b>B80-0.5 DUP</b>	<b>18-11-1814-97-A</b>	<b>11/19/18 13:20</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:29</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		8.33	1.00		1.00		
<b>B86-0.5 DUP</b>	<b>18-11-1814-99-A</b>	<b>11/19/18 09:30</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 21:43</b>	<b>181127L07</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		6.40	1.00		1.00		
<b>Method Blank</b>	<b>099-15-621-1781</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>11/27/18</b>	<b>11/28/18 17:16</b>	<b>181127L06</b>
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>		<u>Qualifiers</u>
Arsenic		ND	1.00		1.00		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-621-1782	N/A	Solid	ICP/MS 05	11/27/18	11/28/18 19:44	181127L07

Parameter	Result	RL	DF	Qualifiers
Arsenic	ND	1.00	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B68-0.5</b>	<b>18-11-1814-1-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 12:06</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B69-0.5</b>	<b>18-11-1814-3-A</b>	<b>11/19/18 12:50</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 12:21</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B70-0.5</b>	<b>18-11-1814-5-A</b>	<b>11/20/18 09:00</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 12:36</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 4 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B71-0.5</b>	<b>18-11-1814-7-A</b>	<b>11/20/18 09:10</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 12:51</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 5 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B72-0.5</b>	<b>18-11-1814-9-A</b>	<b>11/20/18 09:20</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 13:06</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	59	24-168	
2,4,5,6-Tetrachloro-m-Xylene	51	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 6 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B73-0.5</b>	<b>18-11-1814-11-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 13:21</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 7 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B74-0.5</b>	<b>18-11-1814-13-A</b>	<b>11/19/18 13:00</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 13:36</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 8 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B75-0.5</b>	<b>18-11-1814-15-A</b>	<b>11/19/18 13:30</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 13:51</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 9 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B76-0.5</b>	<b>18-11-1814-17-A</b>	<b>11/20/18 09:40</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 14:06</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 10 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B77-0.5</b>	<b>18-11-1814-19-A</b>	<b>11/20/18 09:30</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 14:21</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 11 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B78-0.5</b>	<b>18-11-1814-21-A</b>	<b>11/19/18 12:30</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 14:36</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 12 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B79-0.5</b>	<b>18-11-1814-23-A</b>	<b>11/19/18 13:10</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 14:51</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.0	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 13 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B80-0.5</b>	<b>18-11-1814-25-A</b>	<b>11/19/18 13:20</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 15:06</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	67	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 14 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B81-0.5</b>	<b>18-11-1814-27-A</b>	<b>11/20/18 09:50</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 15:21</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 15 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B82-0.5</b>	<b>18-11-1814-29-A</b>	<b>11/20/18 10:00</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 15:36</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 16 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B83-0.5</b>	<b>18-11-1814-31-A</b>	<b>11/19/18 10:15</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 15:51</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 17 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B84-0.5</b>	<b>18-11-1814-34-A</b>	<b>11/19/18 10:00</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 17:14</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 18 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B85-0.5</b>	<b>18-11-1814-37-A</b>	<b>11/19/18 09:45</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 17:29</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	64	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 19 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B86-0.5</b>	<b>18-11-1814-40-A</b>	<b>11/19/18 09:30</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 17:44</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	50	24-168	
2,4,5,6-Tetrachloro-m-Xylene	49	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 20 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B87-0.5</b>	<b>18-11-1814-43-A</b>	<b>11/19/18 09:15</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 17:58</b>	<b>181127L05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 21 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B88-0.5</b>	<b>18-11-1814-46-A</b>	<b>11/19/18 08:50</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 15:51</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 22 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B89-0.5</b>	<b>18-11-1814-49-A</b>	<b>11/19/18 08:50</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 16:06</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	112	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 23 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B90-0.5</b>	<b>18-11-1814-52-A</b>	<b>11/19/18 10:30</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 16:20</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	28	24-168	
2,4,5,6-Tetrachloro-m-Xylene	25	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 24 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B91-0.5</b>	<b>18-11-1814-55-A</b>	<b>11/19/18 10:45</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 16:34</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 25 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B92-0.5</b>	<b>18-11-1814-58-A</b>	<b>11/19/18 11:00</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 16:48</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 26 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B93-0.5</b>	<b>18-11-1814-61-A</b>	<b>11/19/18 11:15</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 10:18</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 27 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B94-0.5</b>	<b>18-11-1814-64-A</b>	<b>11/19/18 11:30</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 10:32</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 28 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B95-0.5</b>	<b>18-11-1814-67-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 10:47</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.9	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 29 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B96-0.5</b>	<b>18-11-1814-71-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 11:01</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 30 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61A-0.5</b>	<b>18-11-1814-75-A</b>	<b>11/20/18 10:40</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 11:15</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	390	50	1.00	
4,4'-DDD	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	7.6	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

<b>B61A-0.5</b>	<b>18-11-1814-75-A</b>	<b>11/20/18 10:40</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 14:20</b>	<b>181127L06</b>
-----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	91	50	10.0	
4,4'-DDT	89	50	10.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	67	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 31 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61B-0.5</b>	<b>18-11-1814-78-A</b>	<b>11/20/18 10:55</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 11:29</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	12	4.9	1.00	
4,4'-DDT	10	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 32 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61C-0.5</b>	<b>18-11-1814-81-A</b>	<b>11/20/18 11:10</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 11:43</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	200	50	1.00	
4,4'-DDD	15	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

<b>B61C-0.5</b>	<b>18-11-1814-81-A</b>	<b>11/20/18 11:10</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 14:34</b>	<b>181127L06</b>
-----------------	------------------------	-----------------------	--------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
4,4'-DDE	46	25	5.00	
4,4'-DDT	57	25	5.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 33 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52A-0.5</b>	<b>18-11-1814-84-A</b>	<b>11/21/18 09:00</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 12:40</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 34 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52B-0.5</b>	<b>18-11-1814-87-A</b>	<b>11/21/18 09:15</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 12:54</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	75	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	20	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 35 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52C-0.5</b>	<b>18-11-1814-90-A</b>	<b>11/21/18 09:30</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 13:09</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	64	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	12	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	115	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 36 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B61B-0.5 DUP</b>	<b>18-11-1814-94-A</b>	<b>11/20/18 10:55</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 13:23</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	65	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	19	5.0	1.00	
4,4'-DDT	35	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 37 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B73-0.5 DUP</b>	<b>18-11-1814-95-A</b>	<b>11/19/18 12:40</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 13:37</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 38 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B80-0.5 DUP</b>	<b>18-11-1814-97-A</b>	<b>11/19/18 13:20</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 13:52</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 39 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B86-0.5 DUP</b>	<b>18-11-1814-99-A</b>	<b>11/19/18 09:30</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 14:06</b>	<b>181127L06</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
------------------	---------------	-----------	-----------	-------------------

Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 40 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-3065	N/A	Solid	GC 41	11/27/18	11/28/18 11:06	181127L05

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 41 of 41

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-537-3066	N/A	Solid	GC 51	11/27/18	11/28/18 14:54	181127L06

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	105	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B95-0.5</b>	<b>18-11-1814-67-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>GC/MS Q</b>	<b>11/26/18</b>	<b>11/26/18 13:17</b>	<b>181126L001</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
1,1-Dichloropropene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	
2-Butanone	ND	51	1.00	
2-Chlorotoluene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
4-Chlorotoluene	ND	5.1	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	51	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
Isopropylbenzene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
Naphthalene	ND	51	1.00	
Styrene	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
Trichloroethene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
n-Butylbenzene	ND	5.1	1.00	
n-Propylbenzene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	51	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

**Analytical Report**

---

EFI Global Inc.	Date Received:	11/21/18
5261 West Imperial Highway	Work Order:	18-11-1814
Los Angeles, CA 90045-6231	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: LAUSD Taft HS / 9836003557		Page 3 of 9

---

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	98	71-155	
Toluene-d8	99	80-120	



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B96-0.5</b>	<b>18-11-1814-71-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>GC/MS Q</b>	<b>11/26/18</b>	<b>11/26/18 13:44</b>	<b>181126L001</b>

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 5 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 6 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	100	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-796-14870	N/A	Solid	GC/MS Q	11/26/18	11/26/18 11:15	181126L001

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 8 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 9 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	96	71-155	
Toluene-d8	98	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B68-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 21:57</b>	<b>181127S02A</b>
<b>B68-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 21:58</b>	<b>181127S02A</b>
<b>B68-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 21:59</b>	<b>181127S02A</b>

<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Lead	30.53	25.00	49.74	77	51.57	84	75-125	4	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B88-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:28</b>	<b>181127S03B</b>
<b>B88-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:29</b>	<b>181127S03B</b>
<b>B88-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>ICP 8300</b>	<b>11/27/18</b>	<b>11/28/18 22:33</b>	<b>181127S03B</b>

<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Lead	15.87	25.00	40.82	100	41.03	101	75-125	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B68-0.5	Sample	Solid	ICP/MS 05	11/27/18	11/28/18 17:51	181127S06				
B68-0.5	Matrix Spike	Solid	ICP/MS 05	11/27/18	11/28/18 17:37	181127S06				
B68-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	11/27/18	11/28/18 17:41	181127S06				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	8.218	25.00	36.04	111	35.85	111	72-132	1	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B88-0.5	Sample	Solid	ICP/MS 05	11/27/18	11/28/18 20:19	181127S07				
B88-0.5	Matrix Spike	Solid	ICP/MS 05	11/27/18	11/28/18 19:54	181127S07				
B88-0.5	Matrix Spike Duplicate	Solid	ICP/MS 05	11/27/18	11/28/18 19:58	181127S07				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	2.678	25.00	28.54	103	28.40	103	72-132	0	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A

Project: LAUSD Taft HS / 9836003557

Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
<b>B72-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 13:06</b>	<b>181127S05</b>				
<b>B72-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 11:36</b>	<b>181127S05</b>				
<b>B72-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 18:14</b>	<b>181127S05</b>				
<u>Parameter</u>	<u>Sample Conc.</u>	<u>Spike Added</u>	<u>MS Conc.</u>	<u>MS %Rec.</u>	<u>MSD Conc.</u>	<u>MSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Aldrin	ND	25.00	13.23	53	11.78	47	50-135	12	0-25	3
Alpha-BHC	ND	25.00	13.06	52	12.06	48	50-135	8	0-25	3
Beta-BHC	ND	25.00	14.63	59	12.91	52	50-135	12	0-25	
4,4'-DDD	ND	25.00	14.86	59	12.18	49	50-135	20	0-25	3
4,4'-DDE	ND	25.00	16.87	67	13.77	55	50-135	20	0-25	
4,4'-DDT	ND	25.00	16.22	65	11.79	47	50-135	32	0-25	3,4
Delta-BHC	ND	25.00	14.20	57	12.52	50	50-135	13	0-25	
Dieldrin	ND	25.00	14.82	59	12.18	49	50-135	20	0-25	3
Endosulfan I	ND	25.00	15.52	62	13.28	53	50-135	16	0-25	
Endosulfan II	ND	25.00	17.54	70	13.82	55	50-135	24	0-25	
Endosulfan Sulfate	ND	25.00	14.38	58	10.90	44	50-135	27	0-25	3,4
Endrin	ND	25.00	14.42	58	11.98	48	50-135	18	0-25	3
Endrin Aldehyde	ND	25.00	13.20	53	11.09	44	50-135	17	0-25	3
Gamma-BHC	ND	25.00	13.46	54	12.41	50	50-135	8	0-25	
Heptachlor	ND	25.00	13.72	55	12.32	49	50-135	11	0-25	3
Heptachlor Epoxide	ND	25.00	14.14	57	12.12	48	50-135	15	0-25	3
Methoxychlor	ND	25.00	14.30	57	10.79	43	50-135	28	0-25	3,4

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A

Project: LAUSD Taft HS / 9836003557

Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B73-0.5 DUP</b>	<b>Sample</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/29/18 13:37</b>	<b>181127S06</b>
<b>B73-0.5 DUP</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 15:23</b>	<b>181127S06</b>
<b>B73-0.5 DUP</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 15:37</b>	<b>181127S06</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	20.45	82	17.73	71	50-135	14	0-25	
Alpha-BHC	ND	25.00	19.18	77	16.40	66	50-135	16	0-25	
Beta-BHC	ND	25.00	17.82	71	16.82	67	50-135	6	0-25	
4,4'-DDD	ND	25.00	24.50	98	22.05	88	50-135	11	0-25	
4,4'-DDE	ND	25.00	24.62	98	21.40	86	50-135	14	0-25	
4,4'-DDT	ND	25.00	26.51	106	19.88	80	50-135	29	0-25	4
Delta-BHC	ND	25.00	22.36	89	19.50	78	50-135	14	0-25	
Dieldrin	ND	25.00	25.02	100	26.10	104	50-135	4	0-25	
Endosulfan I	ND	25.00	22.54	90	20.88	84	50-135	8	0-25	
Endosulfan II	ND	25.00	24.84	99	22.91	92	50-135	8	0-25	
Endosulfan Sulfate	ND	25.00	23.37	93	19.99	80	50-135	16	0-25	
Endrin	ND	25.00	20.27	81	19.65	79	50-135	3	0-25	
Endrin Aldehyde	ND	25.00	19.39	78	18.10	72	50-135	7	0-25	
Gamma-BHC	ND	25.00	19.94	80	17.85	71	50-135	11	0-25	
Heptachlor	ND	25.00	20.77	83	18.10	72	50-135	14	0-25	
Heptachlor Epoxide	ND	25.00	23.50	94	25.61	102	50-135	9	0-25	
Methoxychlor	ND	25.00	25.65	103	19.77	79	50-135	26	0-25	4

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: LAUSD Taft HS / 9836003557

Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>B95-0.5</b>	<b>Sample</b>	<b>Solid</b>	<b>GC/MS Q</b>	<b>11/26/18</b>	<b>11/26/18 13:17</b>	<b>181126S001</b>
<b>B95-0.5</b>	<b>Matrix Spike</b>	<b>Solid</b>	<b>GC/MS Q</b>	<b>11/26/18</b>	<b>11/26/18 15:31</b>	<b>181126S001</b>
<b>B95-0.5</b>	<b>Matrix Spike Duplicate</b>	<b>Solid</b>	<b>GC/MS Q</b>	<b>11/26/18</b>	<b>11/26/18 15:58</b>	<b>181126S001</b>

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloroethene	ND	50.00	33.57	67	37.57	75	47-143	11	0-25	
1,2-Dibromoethane	ND	50.00	36.87	74	40.41	81	64-124	9	0-20	
1,2-Dichlorobenzene	ND	50.00	27.77	56	31.68	63	35-131	13	0-25	
1,2-Dichloroethane	ND	50.00	34.36	69	37.59	75	80-120	9	0-20	3
Benzene	ND	50.00	32.05	64	36.03	72	61-127	12	0-20	
Carbon Tetrachloride	ND	50.00	30.22	60	35.74	71	51-135	17	0-29	
Chlorobenzene	ND	50.00	31.00	62	35.04	70	57-123	12	0-20	
Ethylbenzene	ND	50.00	31.76	64	36.31	73	57-129	13	0-22	
Toluene	ND	50.00	33.40	67	37.73	75	63-123	12	0-20	
Trichloroethene	ND	50.00	34.10	68	38.88	78	44-158	13	0-20	
Vinyl Chloride	ND	50.00	39.78	80	42.91	86	49-139	8	0-47	
o-Xylene	ND	50.00	32.03	64	36.32	73	70-130	13	0-30	3
p/m-Xylene	ND	100.0	62.35	62	70.79	71	70-130	13	0-30	3
Methyl-t-Butyl Ether (MTBE)	ND	50.00	32.44	65	35.73	71	57-123	10	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	197.4	79	212.5	85	30-168	7	0-34	
Diisopropyl Ether (DIPE)	ND	50.00	33.48	67	38.20	76	57-129	13	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	32.51	65	36.69	73	55-127	12	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	38.44	77	42.56	85	58-124	10	0-20	
Ethanol	ND	500.0	326.1	65	343.6	69	17-167	5	0-47	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B68-0.5	Sample	Solid	ICP/MS 05	11/27/18 00:00	11/28/18 17:51	181127S06	
B68-0.5	PDS	Solid	ICP/MS 05	11/27/18 00:00	11/28/18 17:44	181127S06	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		8.218	25.00	34.16	104	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number	
B88-0.5	Sample	Solid	ICP/MS 05	11/27/18 00:00	11/28/18 20:19	181127S07	
B88-0.5	PDS	Solid	ICP/MS 05	11/27/18 00:00	11/28/18 20:12	181127S07	
<u>Parameter</u>		<u>Sample Conc.</u>	<u>Spike Added</u>	<u>PDS Conc.</u>	<u>PDS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		2.678	25.00	28.58	104	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-27327	LCS	Solid	ICP 8300	11/27/18	11/28/18 21:54	181127L02A
097-01-002-27327	LCSD	Solid	ICP 8300	11/27/18	11/28/18 21:56	181127L02A

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	25.00	24.91	100	24.84	99	80-120	0	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-27328	LCS	Solid	ICP 8300	11/27/18	11/28/18 22:25	181127L03A
097-01-002-27328	LCSD	Solid	ICP 8300	11/27/18	11/28/18 22:27	181127L03A

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	25.00	24.91	100	24.56	98	80-120	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-621-1781	LCS	Solid	ICP/MS 05	11/27/18	11/28/18 17:20	181127L06
099-15-621-1781	LCSD	Solid	ICP/MS 05	11/27/18	11/28/18 17:34	181127L06

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	25.00	25.21	101	25.02	100	80-120	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-621-1782	LCS	Solid	ICP/MS 05	11/27/18	11/28/18 19:47	181127L07
099-15-621-1782	LCSD	Solid	ICP/MS 05	11/27/18	11/28/18 19:51	181127L07

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	25.00	25.12	100	26.36	105	80-120	5	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A

Project: LAUSD Taft HS / 9836003557

Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-537-3065</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 41</b>	<b>11/27/18</b>	<b>11/28/18 11:21</b>	<b>181127L05</b>
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	20.92	84	50-135	36-149	
Alpha-BHC	25.00	21.11	84	50-135	36-149	
Beta-BHC	25.00	20.35	81	50-135	36-149	
4,4'-DDD	25.00	20.61	82	50-135	36-149	
4,4'-DDE	25.00	20.95	84	50-135	36-149	
4,4'-DDT	25.00	19.67	79	50-135	36-149	
Delta-BHC	25.00	21.14	85	50-135	36-149	
Dieldrin	25.00	21.12	84	50-135	36-149	
Endosulfan I	25.00	22.43	90	50-135	36-149	
Endosulfan II	25.00	25.28	101	50-135	36-149	
Endosulfan Sulfate	25.00	19.54	78	50-135	36-149	
Endrin	25.00	20.78	83	50-135	36-149	
Endrin Aldehyde	25.00	17.64	71	50-135	36-149	
Gamma-BHC	25.00	21.13	85	50-135	36-149	
Heptachlor	25.00	21.10	84	50-135	36-149	
Heptachlor Epoxide	25.00	20.63	83	50-135	36-149	
Methoxychlor	25.00	18.25	73	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3545  
Method: EPA 8081A

Project: LAUSD Taft HS / 9836003557

Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-537-3066</b>	<b>LCS</b>	<b>Solid</b>	<b>GC 51</b>	<b>11/27/18</b>	<b>11/28/18 15:09</b>	<b>181127L06</b>
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	24.59	98	50-135	36-149	
Alpha-BHC	25.00	24.68	99	50-135	36-149	
Beta-BHC	25.00	23.92	96	50-135	36-149	
4,4'-DDD	25.00	25.45	102	50-135	36-149	
4,4'-DDE	25.00	25.29	101	50-135	36-149	
4,4'-DDT	25.00	26.81	107	50-135	36-149	
Delta-BHC	25.00	25.39	102	50-135	36-149	
Dieldrin	25.00	25.62	102	50-135	36-149	
Endosulfan I	25.00	26.67	107	50-135	36-149	
Endosulfan II	25.00	26.98	108	50-135	36-149	
Endosulfan Sulfate	25.00	25.95	104	50-135	36-149	
Endrin	25.00	23.90	96	50-135	36-149	
Endrin Aldehyde	25.00	23.97	96	50-135	36-149	
Gamma-BHC	25.00	24.59	98	50-135	36-149	
Heptachlor	25.00	25.73	103	50-135	36-149	
Heptachlor Epoxide	25.00	24.93	100	50-135	36-149	
Methoxychlor	25.00	26.35	105	50-135	36-149	

Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: LAUSD Taft HS / 9836003557

Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-796-14870</b>	<b>LCS</b>	<b>Solid</b>	<b>GC/MS Q</b>	<b>11/26/18</b>	<b>11/26/18 10:00</b>	<b>181126L001</b>
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
1,1-Dichloroethene	50.00	47.11	94	68-128	58-138	
1,2-Dibromoethane	50.00	54.06	108	80-120	73-127	
1,2-Dichlorobenzene	50.00	55.22	110	80-120	73-127	
1,2-Dichloroethane	50.00	47.29	95	80-120	73-127	
Benzene	50.00	47.33	95	80-120	73-127	
Carbon Tetrachloride	50.00	51.63	103	65-137	53-149	
Chlorobenzene	50.00	52.80	106	80-120	73-127	
Ethylbenzene	50.00	53.19	106	80-120	73-127	
Toluene	50.00	51.65	103	80-120	73-127	
Trichloroethene	50.00	51.58	103	80-120	73-127	
Vinyl Chloride	50.00	45.02	90	67-127	57-137	
o-Xylene	50.00	53.98	108	75-125	67-133	
p/m-Xylene	100.0	106.1	106	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	42.05	84	70-124	61-133	
Tert-Butyl Alcohol (TBA)	250.0	268.9	108	73-121	65-129	
Diisopropyl Ether (DIPE)	50.00	48.47	97	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.75	90	70-124	61-133	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.42	105	74-122	66-130	
Ethanol	500.0	382.4	76	51-135	37-149	

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

## Sample Analysis Summary Report

Work Order: 18-11-1814

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 6020	EPA 3050B	771	ICP/MS 05	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 51	1
EPA 8260B	EPA 5030C	316	GC/MS Q	2

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-11-1814

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

# Chain-of-Custody Record

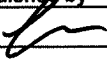
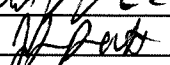
EFI-01

Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	

**18-11-1814**

Number	Sample ID	Lab ID	Type		Matrix					Preservative				Sampling Information		VOCs, EPA Method 8260	TPH carbon chain, EPA Method 8015	Metals, EPA Method 6010	Lead, EPA Method 6010	Arsenic, EPA Method 6010	STLC Lead EPA Method 6010	TCLP Lead EPA Method 6010	PCBs, EPA Method 6010	0000	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA Method 6010)		Normal / Standard	72 Hour	48 Hours	24 Hours
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time																				
1	B68-0.5	1	X		X							11/19/18	1240				XX					X				X								
2	B68-2	2												1245											X									
3	B69-0.5	3												1250			XX					X												
4	B69-2	4												1255										X										
5	B70-0.5	5										11/20/18	0900				XX					X												
6	B70-2	6												0905										X										
7	B71-0.5	7												0910			XX					X												
8	B71-2	8												0915										X										
9	B72-0.5	9												0920			XX					X												
10	B72-2	10												0925										X										
11	B73-0.5	11										11/19/18	1240				XX					X												
12	B73-2	12												1245										X										
13	B74-0.5	13												1300			XX					X												
14	B74-2	14												1305										X										
15	B75-0.5	15												1330			XX					X												
16	B75-2	16												1335										X										
17	B76-0.5	17										11/20/18	0940				XX					X												
18	B76-2	18												0945										X										
19	B77-0.5	19												0950			XX					X												
20	B77-2	20												0955										X										

Relinquished by	Date	Time	Received by	Date	Time	Remarks
 P. SKEATH	11/21/18	1426	Randy C	11/21/18	1426	Sample condition (circle): Chilled Intact
Randy	11/21/18	1710		11/21/18	1710	Excavation Area:

215

1814

Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		VOCs, EPA Method 8260	TPH carbon chain, EPA Method 8015	Metals, EPA Method 6010	Lead, EPA Method 6010	Arsenic, EPA Method 6010	STLC Lead EPA Method 6010	TCLP Lead EPA Method 6010	PCBs, EPA Method 6010	OCs, EPA Method 6010	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA Method 6010)	Normal / Standard	72 Hour	48 Hours	24 Hours		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																			Time	
1	B78-0.5	21	X			X							11/19/18	1230			XX				X											X	
2	B78-2	22																						X									
3	B79-0.5	23																XX			X												
4	B79-2	24																						X									
5	B80-0.5	25																XX			X				X								
6	B80-2	26																						X									
7	B81-0.5	27																XX			X												
8	B81-2	28																						X									
9	B82-0.5	29																XX			X												
10	B82-2	30																						X									
11	B83-0.5	31																XX			X												
12	B83-1.5	32																						X									
13	B83-3	33																						X									
14	B84-0.5	34																XX			X												
15	B84-1.5	35																						X									
16	B84-3	36																						X									
17	B85-0.5	37																XX			X												
18	B85-1.5	38																						X									
19	B85-3	39																						X									
20	B86-0.5	40																XX			X												

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1426		11/21/18	1426	Sample condition (circle): Chilled Intact
Randy W	11/21/18	1710		11/21/18	1710	Excavation Area:

1814

# Chain-of-Custody Record

## Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		VOCs, EPA Meth	TPH carbon char	Metals, EPA Meth	Lead, EPA Meth	Arsenic, EPA Meth	STLC Lead EPA	TCLP Lead EPA	PCBs, EPA Meth	OCs	Composite Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Normal / Standard	72 Hour	48 Hours	24 Hours	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																		Time
1	B86-1.5	41	X			X						11/19/18	0935										X	X			X				
2	B86-3	42											0940										X	X							
3	B87-0.5	43											0945			XX					X										
4	B87-1.5	44											0947										X								
5	B87-3	45											0949										X								
6	B88-0.5	46											0950			XX					X										
7	B88-1.5	47											0952										X								
8	B88-3	48											0954										X								
9	B89-0.5	49											0950			XX					X										
10	B89-1.5	50											0952										X								
11	B89-3	51											0954										X								
12	B90-0.5	52											1030			XX					X										
13	B90-1.5	53											1035										X								
14	B90-3	54											1040										X								
15	B91-0.5	55											1045			XX					X										
16	B91-1.5	56											1050										X								
17	B91-3	57											1055										X								
18	B92-0.5	58											1100			XX					X										
19	B92-1.5	59											1105										X								
20	B92-3	60											1110										X								

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1426		11/21/18	1426	Sample condition (circle): Chilled Intact
	11/21/18	1710		11/21/18	1710	Excavation Area:

# Chain-of-Custody Record

EFI\_01

## Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		VOCs, EPA Met	TPH carbon cha	Metals, EPA Met	Lead, EPA Meth	Arsenic, EPA M	STLC Lead EPA	TCLP Lead EPA	PCBs, EPA Met	OCs	VOCs	Composite	Hold	4- or 8-ounce Gl	Plastic Bag	VOAs (by EPA 5		Normal / Standard	72 Hour	48 Hours	24 Hours	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time																					
1	B93-0.5	61	X		X							11/19/18	1115				XX					X				X									
2	B93-1.5	62																																	
3	B93-3	63																																	
4	B94-0.5	64															XX				X														
5	B94-1.5	65																																	
6	B94-3	66																																	
7	B95-0.5	67												11/21/18	1025		XX				XX														
8	B95-1.5	68																																	
9	B95-3	69																																	
10	B95-6	70																																	
11	B96-0.5	71															XX				XX														
12	B96-1.5	72																																	
13	B96-3	73																																	
14	B96-6	74																																	
15	B61A - 0.5	75												11/20/18	1040		XX				X														
16	B61A - 1.5	76																																	
17	B61A - 3	77																																	
18	B61B - 0.5	78															XX				X														
19	B61B - 1.5	79																																	
20	B61B - 3	80																																	

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1426		11/21/18	1426	Sample condition (circle): Chilled Intact
	11/21/18	1710		11/21/18	1710	Excavation Area:

# Chain-of-Custody Record

EFI\_01

## Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi_Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		VOCs, EPA Method 8260	TPH carbon chain, EPA Method 8015	Metals, EPA Method 6010	Lead, EPA Method 6010	Arsenic, EPA Method 6020	STLC Lead EPA Method 6020	TCLP Lead EPA Method 6020	PCBs, EPA Method 6020	OCES	Composite Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA Method 6020)	Normal / Standard	72 Hour	48 Hours	24 Hours		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																		Time	
1	B61C-0.5	81	X			X						11/20/18	1110				XX				X											X
2	B61C-1.5	82										↓	1115										X									
3	B61C-3	83										↓	1120										X									
4	B52A-0.5	84										11/20/18	0900			XX					X											
5	B52A-1.5	85										↓	0905										X									
6	B52A-3	86											0910										X									
7	B52B-0.5	87											0915			XX					X											
8	B52B-1.5	88											0920										X									
9	B52B-3	89											0925										X									
10	B52C-0.5	90										↓	0930			XX					X											
11	B52C-1.5	91											0935										X									
12	B52C-3	92										↓	0940										X									
13	B52B-1.5 DUP	93										11/21/18	0920										X									
14	B61B-0.5 DUP	94										11/20/18	1055			XX					X											
15	B73-0.5 DUP	95										11/19/18	1240			XX					X											
16	B77-2 DUP	96										11/20/18	0935										X									
17	B80-0.5 DUP	97										11/15/18	1720			XX					X				X							
18	B83-1.5 DUP	98										↓	1020										X									
19	B86-0.5 DUP	99										↓	0930			XX					X											
20	B96-1.5 DUP	100	✓			✓						11/21/18	1030										X									

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1420		11/21/18	1426	Sample condition (circle): Chilled Intact
	11/21/18	1710		11/21/18	1710	Excavation Area:

# SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: EFT

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 2.9 °C (w/ CF): 2.9 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: UAM

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: UAM

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1163

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbop Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)  
☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB  
☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Solid: ☒ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>,

Labeled/Checked by: 1163

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: UAM

# SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: EFT

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 2.7 °C (w/ CF): 2.7 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: UAM1

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: UAM1

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1163

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) <input type="checkbox"/> Carbop Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: M63

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: UAM1

# SAMPLE ANOMALY REPORT

DATE: **11/7/2018**

## SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☒ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(-101) received 1 - 8oz. clear glass jar labeled as: B92-3-bup, 11/19/18 @ 11:10 not on COC.

## Comments

Comments: \_\_\_\_\_

Reported by: **1163**  
Reviewed by: **u024**

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, November 26, 2018 9:22 AM  
**To:** Stephen Nowak  
**Subject:** RE: LAUSD Taft HS / 9836003557

EXTERNAL EMAIL\*

Steve,

Please add it to the COC and place the sample on hold. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Monday, November 26, 2018 9:20 AM  
**To:** Salgado, Desi  
**Subject:** LAUSD Taft HS / 9836003557

Desi- See attached COC and sample anomaly form (Page 8).

Extra sample rec'd not listed on the COC- B92-3\_DUP 11/19/18 @ 11:10.  
 Let me know if we are to do anything with this sample.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Env](http://www.eurofinsUS.com/Env)



## Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.



# WORK ORDER NUMBER: 18-11-1814

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

## Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** LAUSD Taft HS / 9836003557

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 12/12/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: LAUSD Taft HS / 9836003557  
 Work Order Number: 18-11-1814

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 6010B STLC ICP Metals (Aqueous). . . . .	6
5	Quality Control Sample Data. . . . .	7
	5.1 MS/MSD. . . . .	7
	5.2 LCS/LCSD. . . . .	8
6	Glossary of Terms and Qualifiers. . . . .	9
7	Chain-of-Custody/Sample Receipt Form. . . . .	10

**Work Order Narrative**

Work Order: 18-11-1814

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 11/21/18. They were assigned to Work Order 18-11-1814.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client: EFI Global Inc.	Work Order: 18-11-1814
5261 West Imperial Highway	Project Name: LAUSD Taft HS / 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 11/21/18 17:10
	Number of Containers: 101

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B61A-0.5	18-11-1814-75	11/20/18 10:40	1	Solid
B61B-0.5	18-11-1814-78	11/20/18 10:55	1	Solid
B61C-0.5	18-11-1814-81	11/20/18 11:10	1	Solid

  
Return to Contents



Calscience

**Detections Summary**

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1814  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 1 of 1

**Client SampleID**

<b><u>Analyte</u></b>	<b><u>Result</u></b>	<b><u>Qualifiers</u></b>	<b><u>RL</u></b>	<b><u>Units</u></b>	<b><u>Method</u></b>	<b><u>Extraction</u></b>
B61A-0.5 (18-11-1814-75)						
Lead	1.55		0.500	mg/L	EPA 6010B	T22.11.5. All
B61B-0.5 (18-11-1814-78)						
Lead	0.508		0.500	mg/L	EPA 6010B	T22.11.5. All
B61C-0.5 (18-11-1814-81)						
Lead	1.38		0.500	mg/L	EPA 6010B	T22.11.5. All

Subcontracted analyses, if any, are not included in this summary.

  
Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: T22.11.5. All  
Method: EPA 6010B  
Units: mg/L

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B61A-0.5	18-11-1814-75-A	11/20/18 10:40	Solid	ICP 8300	12/07/18	12/11/18 15:00	181211LA1

Comment(s): - The analysis was performed on a STLC extract of the sample.

Parameter	Result	RL	DF	Qualifiers
Lead	1.55	0.500	1.00	

B61B-0.5	18-11-1814-78-A	11/20/18 10:55	Solid	ICP 8300	12/07/18	12/11/18 15:02	181211LA1
----------	-----------------	----------------	-------	----------	----------	----------------	-----------

Comment(s): - The analysis was performed on a STLC extract of the sample.

Parameter	Result	RL	DF	Qualifiers
Lead	0.508	0.500	1.00	

B61C-0.5	18-11-1814-81-A	11/20/18 11:10	Solid	ICP 8300	12/07/18	12/11/18 15:03	181211LA1
----------	-----------------	----------------	-------	----------	----------	----------------	-----------

Comment(s): - The analysis was performed on a STLC extract of the sample.

Parameter	Result	RL	DF	Qualifiers
Lead	1.38	0.500	1.00	

Method Blank	097-05-006-9854	N/A	Aqueous	ICP 8300	12/07/18	12/11/18 13:05	181211LA1
--------------	-----------------	-----	---------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-11-2177-5	Sample	Solid	ICP 8300	12/07/18	12/11/18 13:11	181211SA1
18-11-2177-5	Matrix Spike	Solid	ICP 8300	12/07/18	12/11/18 13:13	181211SA1
18-11-2177-5	Matrix Spike Duplicate	Solid	ICP 8300	12/07/18	12/11/18 13:15	181211SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	ND	5.000	5.359	107	5.231	105	75-125	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: T22.11.5. All  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-05-006-9854	LCS	Aqueous	ICP 8300	12/07/18	12/11/18 13:07	181211LA1
097-05-006-9854	LCSD	Aqueous	ICP 8300	12/07/18	12/11/18 13:09	181211LA1

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	5.000	5.304	106	5.364	107	80-120	1	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Glossary of Terms and Qualifiers

Work Order: 18-11-1814

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Friday, December 07, 2018 10:07 AM  
**To:** Stephen Nowak  
**Cc:** Lutmer, Christine  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

EXTERNAL EMAIL \*

Hi Steve,

I'd like to request STLC analysis for lead for the following samples:

B61A-0.5  
 B61B-0.5  
 B61C-0.5

Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Tuesday, December 04, 2018 4:06 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** LAUSD Taft HS / 9836003557 / ECI 18-11-1814

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)

Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi.Salgado@efiglobal.com	

**18-11-1814**

Number	Sample ID	Lab ID	Type				Matrix				Preservative				Sampling Information	
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time		
1	B68-0.5	1	X		X								11/21/18	1200		
2	B68-2	2												1205		
3	B69-0.5	3												1250		
4	B69-2	4												1255		
5	B70-0.5	5											11/20/18	0900		
6	B70-2	6												0905		
7	B71-0.5	7												0910		
8	B71-2	8												0915		
9	B72-0.5	9												0920		
10	B72-2	10												0925		
11	B73-0.5	11											11/21/18	1200		
12	B73-2	12												1205		
13	B74-0.5	13												1300		
14	B74-2	14												1305		
15	B75-0.5	15												1330		
16	B75-2	16												1335		
17	B76-0.5	17											11/20/18	0900		
18	B76-2	18												0905		
19	B77-0.5	19												0920		
20	B77-2	20												0935		

Relinquished by	Date	Time	Received by	Date	Time	Remarks
<i>[Signature]</i>	11/21/18	1420	<i>[Signature]</i>	11/21/18	1426	Sample condition (circle): Chilled Intact
<i>[Signature]</i>	11/21/18	1710	<i>[Signature]</i>	11/21/18	1710	Excavation Area:

Analytical Laboratory: Eurofins Calscience		Project Name / Number		Project Address:		Project Manager:		Sampled by:		Phone:		Email:		
LAUSD Taft HS		9836003557		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com		
Number	Sample ID	Lab ID	Type		Matrix			Preservative			Sampling Information			
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time
1	B78-0.5	21	X		X								11/14/18	1230
2	B78-2	22												1235
3	B79-0.5	23												1310
4	B79-2	24												1315
5	B80-0.5	25												1320
6	B80-2	26												1325
7	B81-0.5	27												0950
8	B81-2	28												0955
9	B82-0.5	29												1000
10	B82-2	30												1005
11	B83-0.5	31												1015
12	B83-1.5	32												1020
13	B83-3	33												1025
14	B84-0.5	34												1030
15	B84-1.5	35												1035
16	B84-3	36												1040
17	B85-0.5	37												0945
18	B85-1.5	38												0950
19	B85-3	39												0955
20	B86-0.5	40												0930
Relinquished by:		Rudy W		R. Skeath		Rudy W		R. Skeath		Rudy W		R. Skeath		
Received by:		Rudy W		R. Skeath		Rudy W		R. Skeath		Rudy W		R. Skeath		
Date		11/21/18		1426		11/21/18		1426		11/21/18		1426		
Time		1710		1710		1710		1710		1710		1710		
Remarks		Sample condition (circle): Chilled Intact												
Excavation Area:														

Analytical Laboratory: Eurofins Calscience		Project Name / Number		Project Address:		Project Manager:		Sampled by:		Phone:		Email:											
LAUSD Taft HS		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Project Name / Number		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Project Address:		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Project Manager:		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Sampled by:		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Phone:		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Email:		5461 Winnetka Ave, Woodland Hills		D. Salgado		P. Skeath		(310) 409-9980		Desi. Salgado@efiglobal.com													
Number	Sample ID	Lab ID	Type	Matrix	Preservative	Sampling Information																	
			Grab	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time										
1	B86-1.5	41	X	X								11/21/18	0835										
2	B86-3	42											0840										
3	B87-0.5	43											0845										
4	B87-1.5	44											0847										
5	B87-3	45											0849										
6	B88-0.5	46											0850										
7	B88-1.5	47											0852										
8	B88-3	48											0854										
9	B89-0.5	49											0850										
10	B89-1.5	50											0852										
11	B89-3	51											0854										
12	B90-0.5	52											1030										
13	B90-1.5	53											1035										
14	B90-3	54											1040										
15	B91-0.5	55											1045										
16	B91-1.5	56											1050										
17	B91-3	57											1055										
18	B92-0.5	58											1100										
19	B92-1.5	59											1105										
20	B92-3	60											1110										
Relinquished by:		Date		Time		Received by		Date		Time		Remarks											
P. Skeath		11/21/18		1426		P. Skeath		11/21/18		1426		Sample condition (circle): Chilled Intact											
Desi. Salgado		11/21/18		1710		Desi. Salgado		11/21/18		1710		Excavation Area:											

Analytical Laboratory: Eurofins Calscience

Project Name / Number: LAUSD Taft HS 9836003557

Project Address: 5461 Winnetka Ave, Woodland Hills

Project Manager: D. Salgado

Sampled by: P. Skeath

Phone: (310) 409-9980

Email: Desi. Salgado@efiglobal.com

Number	Sample ID	Lab ID	Type			Matrix			Preservative			Sampling Information	
			Grab	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time
1	B93-0.5	61	X	X								11/21/18	1115
2	B93-1.5	62											1120
3	B93-3	63											1125
4	B94-0.5	64											1130
5	B94-1.5	65											1135
6	B94-3	66											1140
7	B95-0.5	67										11/21/18	1125
8	B95-1.5	68											1130
9	B95-3	69											1135
10	B95-6	70											1140
11	B96-0.5	71											1125
12	B96-1.5	72											1130
13	B96-3	73											1135
14	B96-6	74											1140
15	B61A - 0.5	75										11/20/18	1140
16	B61A - 1.5	76											1145
17	B61A - 3	77											1150
18	B61B - 0.5	78											1155
19	B61B - 1.5	79											1100
20	B61B - 3	80											1105

Relinquished by: *[Signature]* Date: 11/21/18 Time: 1426

Received by: *[Signature]* Date: 11/21/18 Time: 1710

Remarks: Sample condition (circle): Chilled Intact

Excavation Area: 1710

515

**Chain-of-Custody Record**

EFI\_01

Analytical Laboratory: Eurofins Calscience															
Project Name / Number		LAUSD Taft HS		9836003557											
Project Address:		5461 Winnetka Ave, Woodland Hills													
Project Manager:		D. Salgado													
Sampled by:		P. Skeath													
Phone:		(310) 409-9980													
Email:		Desi.Salgado@efiglobal.com													
Number	Sample ID	Lab ID	Type			Matrix			Preservative			Sampling Information			
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time	
1	B61C-0.5	81	X		X								11/20/18	1110	
2	B61C-1.5	82											↓	1115	
3	B61C-3	83											11/20/18	1120	
4	B52A-0.5	84											11/20/18	0900	
5	B52A-1.5	85											11/20/18	0905	
6	B52A-3	86											11/20/18	0910	
7	B52B-0.5	87											11/20/18	0915	
8	B52B-1.5	88											11/20/18	0920	
9	B52B-3	89											11/20/18	0925	
10	B52C-0.5	90											11/20/18	0930	
11	B52C-1.5	91											11/20/18	0935	
12	B52C-3	92											11/20/18	0940	
13	B52B-1.5 DUP	93											11/20/18	0920	
14	B61B-0.5 DUP	94											11/20/18	1055	
15	B73-0.5 DUP	95											11/20/18	1220	
16	B77-2 DUP	96											11/20/18	0935	
17	B40-0.5 DUP	97											11/20/18	1320	
18	B43-1.5 DUP	98											11/20/18	1320	
19	B46-0.5 DUP	99											11/20/18	0930	
20	B46-1.5 DUP	100											11/20/18	1030	
Relinquished by		P. Skeath		Rudy		Date		Time		Received by		Date		Time	
		11/21/18		1420		11/21/18		1420		Rudy		11/21/18		1426	
		11/21/18		1710		11/21/18		1710		Rudy		11/21/18		1710	
Remarks														Sample condition (circle): Chilled Intact	
Excavation Area:															

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: EFD

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 2.9 °C (w/ CF): 2.9 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: URM1

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: URM1

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1163

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ..... ☒ Yes ☐ No ☐ N/A

COC document(s) received complete ..... ☒ Yes ☐ No ☐ N/A

☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers

☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time

Sampler's name indicated on COC ..... ☒ Yes ☐ No ☐ N/A

Sample container label(s) consistent with COC ..... ☐ Yes ☒ No ☐ N/A

Sample container(s) intact and in good condition ..... ☒ Yes ☐ No ☐ N/A

Proper containers for analyses requested ..... ☒ Yes ☐ No ☐ N/A

Sufficient volume/mass for analyses requested ..... ☒ Yes ☐ No ☐ N/A

Samples received within holding time ..... ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ..... ☐ Yes ☐ No ☒ N/A

Proper preservation chemical(s) noted on COC and/or sample container ..... ☐ Yes ☐ No ☒ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals

Acid/base preserved samples - pH within acceptable range ..... ☐ Yes ☐ No ☒ N/A

Container(s) for certain analysis free of headspace ..... ☐ Yes ☐ No ☒ N/A

☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)

☐ Carbop Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation ..... ☐ Yes ☐ No ☒ N/A

CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☒ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1163

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: URM1

# SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: EFT

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 2.7 °C (w/ CF): 2.7 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: UAM

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: UAM

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1163

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbop Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: M63

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: UAM

# SAMPLE ANOMALY REPORT

DATE: **11/7/2018**

## SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☒ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(-101) received 1 - 8oz. clear glass jar labeled as: B92-3-bup, 11/19/18 @ 11:10 not on COC.

## Comments

Comments: \_\_\_\_\_

Reported by: **1163**  
Reviewed by: **up24**

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, November 26, 2018 9:22 AM  
**To:** Stephen Nowak  
**Subject:** RE: LAUSD Taft HS / 9836003557

EXTERNAL EMAIL\*

Steve,

Please add it to the COC and place the sample on hold. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Monday, November 26, 2018 9:20 AM  
**To:** Salgado, Desi  
**Subject:** LAUSD Taft HS / 9836003557

Desi- See attached COC and sample anomaly form (Page 8).

Extra sample rec'd not listed on the COC- B92-3\_DUP 11/19/18 @ 11:10.  
 Let me know if we are to do anything with this sample.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Env](http://www.eurofinsUS.com/Env)

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Friday, December 07, 2018 2:00 PM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

EXTERNAL EMAIL \*

Please proceed. Thank you!

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:StephenNowak@eurofinsUS.com]  
**Sent:** Friday, December 07, 2018 1:59 PM  
**To:** Salgado, Desi  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

Please also run B52C-1.5 for arsenic by 6020. **OK-added.**

Also, is there enough sample left to run TPHcc on B95-0.5 and B96-0.5? **–YES, let me know if you want to add.**

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Env](http://www.eurofinsUS.com/Env)



The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. Email transmission cannot be guaranteed to be secure or error free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete. The sender therefore is in no way liable for any errors or omissions in the content of this message which may arise as a result of email transmission. If verification is required, please request a hard copy. We take reasonable precautions to ensure our emails are free from viruses. You need, however, to verify that this email and any attachments are free of viruses, as we can take no responsibility for any computer viruses, which might be transferred by way of this email. We may monitor all email communication through our networks. If you contact us by email, we may store your name and address to facilitate communication.

---

**From:** Salgado, Desi [<mailto:Desi.Salgado@EFIGLOBAL.com>]  
**Sent:** Friday, December 07, 2018 1:30 PM  
**To:** Stephen Nowak  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

EXTERNAL EMAIL\*

Steve,

Please also run B52C-1.5 for arsenic by 6020. Also, is there enough sample left to run TPHcc on B95-0.5 and B96-0.5? Please advise. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Friday, December 07, 2018 11:56 AM  
**To:** Salgado, Desi  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

OK- will do.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)



## Supplemental Report 2

Additional requested analyses are reported as a stand-alone report.

**WORK ORDER NUMBER: 18-11-1814***The difference is service*

AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For****Client:** EFI Global Inc.**Client Project Name:** LAUSD Taft HS / 9836003557**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 12/14/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: LAUSD Taft HS / 9836003557  
 Work Order Number: 18-11-1814

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 8015B (M) C6-C44 (Solid). . . . .	6
	4.2 EPA 6020 ICP/MS Metals (Solid). . . . .	9
5	Quality Control Sample Data. . . . .	10
	5.1 MS/MSD. . . . .	10
	5.2 PDS/PDSD. . . . .	11
	5.3 LCS/LCSD. . . . .	12
6	Sample Analysis Summary. . . . .	13
7	Glossary of Terms and Qualifiers. . . . .	14
8	Chain-of-Custody/Sample Receipt Form. . . . .	15

**Work Order Narrative**

Work Order: 18-11-1814

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 11/21/18. They were assigned to Work Order 18-11-1814.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client: EFI Global Inc.	Work Order: 18-11-1814
5261 West Imperial Highway	Project Name: LAUSD Taft HS / 9836003557
Los Angeles, CA 90045-6231	PO Number:
	Date/Time Received: 11/21/18 17:10
	Number of Containers: 101

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B95-0.5	18-11-1814-67	11/21/18 10:25	1	Solid
B96-0.5	18-11-1814-71	11/21/18 10:25	1	Solid
B52C-1.5	18-11-1814-91	11/21/18 09:35	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1814  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 1 of 1

### Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
B95-0.5 (18-11-1814-67)						
C29-C32	7.3	ET	5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C33-C36	6.4	ET	5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C37-C40	5.4	ET	5.0	mg/kg	EPA 8015B (M)	EPA 3550B
B52C-1.5 (18-11-1814-91)						
Arsenic	9.73		1.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-0.5	18-11-1814-67-A	11/21/18 10:25	Solid	GC 48	12/08/18	12/10/18 18:53	181208B01A

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
C6	ND	5.0	1.00	ET
C7	ND	5.0	1.00	ET
C8	ND	5.0	1.00	ET
C9-C10	ND	5.0	1.00	ET
C11-C12	ND	5.0	1.00	ET
C13-C14	ND	5.0	1.00	ET
C15-C16	ND	5.0	1.00	ET
C17-C18	ND	5.0	1.00	ET
C19-C20	ND	5.0	1.00	ET
C21-C22	ND	5.0	1.00	ET
C23-C24	ND	5.0	1.00	ET
C25-C28	ND	5.0	1.00	ET
C29-C32	7.3	5.0	1.00	ET
C33-C36	6.4	5.0	1.00	ET
C37-C40	5.4	5.0	1.00	ET
C41-C44	ND	5.0	1.00	ET

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	89	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B96-0.5</b>	<b>18-11-1814-71-A</b>	<b>11/21/18 10:25</b>	<b>Solid</b>	<b>GC 48</b>	<b>12/08/18</b>	<b>12/10/18 19:14</b>	<b>181208B01A</b>

Comment(s): - Sample extracted outside recommended holding time.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
C6	ND	4.9	1.00	ET
C7	ND	4.9	1.00	ET
C8	ND	4.9	1.00	ET
C9-C10	ND	4.9	1.00	ET
C11-C12	ND	4.9	1.00	ET
C13-C14	ND	4.9	1.00	ET
C15-C16	ND	4.9	1.00	ET
C17-C18	ND	4.9	1.00	ET
C19-C20	ND	4.9	1.00	ET
C21-C22	ND	4.9	1.00	ET
C23-C24	ND	4.9	1.00	ET
C25-C28	ND	4.9	1.00	ET
C29-C32	ND	4.9	1.00	ET
C33-C36	ND	4.9	1.00	ET
C37-C40	ND	4.9	1.00	ET
C41-C44	ND	4.9	1.00	ET

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-490-3430	N/A	Solid	GC 48	12/08/18	12/10/18 13:26	181208B01A

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>B52C-1.5</b>	<b>18-11-1814-91-A</b>	<b>11/21/18 09:35</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>12/10/18</b>	<b>12/11/18 21:02</b>	<b>181210L02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	9.73	1.00	1.00	

<b>Method Blank</b>	<b>099-15-621-1789</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 05</b>	<b>12/10/18</b>	<b>12/11/18 20:05</b>	<b>181210L02</b>
---------------------	------------------------	------------	--------------	------------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-12-0144-1	Sample	Solid	ICP/MS 05	12/10/18	12/11/18 20:48	181210S02
18-12-0144-1	Matrix Spike	Solid	ICP/MS 05	12/10/18	12/11/18 20:16	181210S02
18-12-0144-1	Matrix Spike Duplicate	Solid	ICP/MS 05	12/10/18	12/11/18 20:19	181210S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	1.333	25.00	28.94	110	27.79	106	72-132	4	0-13	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - PDS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
18-12-0144-1	Sample	Solid	ICP/MS 05	12/10/18 00:00	12/11/18 20:48	181210S02
18-12-0144-1	PDS	Solid	ICP/MS 05	12/10/18 00:00	12/11/18 20:23	181210S02
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	1.333	25.00	30.32	116	75-125	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1814  
Preparation: EPA 3050B  
Method: EPA 6020

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-621-1789	LCS	Solid	ICP/MS 05	12/10/18	12/11/18 20:27	181210L02
099-15-621-1789	LCSD	Solid	ICP/MS 05	12/10/18	12/11/18 20:30	181210L02

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	25.00	26.89	108	26.43	106	80-120	2	0-20	

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Sample Analysis Summary Report

Work Order: 18-11-1814

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6020	EPA 3050B	598	ICP/MS 05	1
EPA 8015B (M)	EPA 3550B	1028	GC 48	1

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-11-1814

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Friday, December 07, 2018 10:07 AM  
**To:** Stephen Nowak  
**Cc:** Lutmer, Christine  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

EXTERNAL EMAIL \*

Hi Steve,

I'd like to request STLC analysis for lead for the following samples:

B61A-0.5  
 B61B-0.5  
 B61C-0.5

Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Tuesday, December 04, 2018 4:06 PM  
**To:** Salgado, Desi  
**Cc:** Lutmer, Christine  
**Subject:** LAUSD Taft HS / 9836003557 / ECI 18-11-1814

Report, EDD, and Invoice are attached.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)

Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
-----------------------	---------------	------------

Project Address:	5461 Winnetka Ave, Woodland Hills
------------------	-----------------------------------



Project Manager:	D. Salgado
------------------	------------

Sampled by:	P. Skeath
-------------	-----------

Phone:	(310) 409-9980
--------	----------------

Email:	Desi. Salgado@efiglobal.com
--------	-----------------------------

[illegible]

Relinquished by	Date	Time	Received by	Date	Time	Remarks
 P. S. Sear	11/21/18	1426	Russell C.	11/21/18	1426	Sample condition (circle): Chilled Intact
Rudy W.	11/21/18	1710		11/21/18	1710	Excavation Area:

215

1814

Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		VOCs, EPA Method 8260	TPH carbon chain, EPA Method 8015	Metals, EPA Method 6010	Lead, EPA Method 6010	Arsenic, EPA Method 6010	STLC Lead EPA Method 6010	TCLP Lead EPA Method 6010	PCBs, EPA Method 6010	OCs, EPA Method 8260	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA Method 5035)	Normal / Standard	72 Hour	48 Hours	24 Hours		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																			Time	
1	B78-0.5	21	X			X							11/19/18	1230			XX				X											X	
2	B78-2	22																			X			X									
3	B79-0.5	23															XX				X												
4	B79-2	24																						X									
5	B80-0.5	25															XX				X			XX									
6	B80-2	26																					XX										
7	B81-0.5	27															XX				X												
8	B81-2	28																					XX										
9	B82-0.5	29															XX				X												
10	B82-2	30																					XX										
11	B83-0.5	31															XX				X												
12	B83-1.5	32																					XX										
13	B83-3	33																					XX										
14	B84-0.5	34															XX				X												
15	B84-1.5	35																					XX										
16	B84-3	36																					XX										
17	B85-0.5	37															XX				X												
18	B85-1.5	38																					XX										
19	B85-3	39																					XX										
20	B86-0.5	40															XX				X												

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1426		11/21/18	1426	Sample condition (circle): Chilled Intact
Randy W	11/21/18	1710		11/21/18	1710	Excavation Area:

# Chain-of-Custody Record

EFI\_01

## Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	


Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		VOCs, EPA Method 8260	TPH carbon chain, EPA Method 8015	Metals, EPA Method 6010	Lead, EPA Method 6010	Arsenic, EPA Method 6010	STLC Lead EPA Method 6010	TCLP Lead EPA Method 6010	PCBs, EPA Method 6010	OCs, EPA Method 6010	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA Method 6010)		Normal / Standard	72 Hour	48 Hours	24 Hours		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																				Time	
1	B86-1.5	41	X			X						11/19/18	0935											X										
2	B86-3	42											0940										X											
3	B87-0.5	43											0945			XX					X													
4	B87-1.5	44											0947										X											
5	B87-3	45											0949										X											
6	B88-0.5	46											0950			XX					X													
7	B88-1.5	47											0952										X											
8	B88-3	48											0954										X											
9	B89-0.5	49											0950			XX					X													
10	B89-1.5	50											0952										X											
11	B89-3	51											0954										X											
12	B90-0.5	52											1030			XX					X													
13	B90-1.5	53											1035										X											
14	B90-3	54											1040										X											
15	B91-0.5	55											1045			XX					X													
16	B91-1.5	56											1050										X											
17	B91-3	57											1055										X											
18	B92-0.5	58											1100			XX					X													
19	B92-1.5	59											1105										X											
20	B92-3	60											1110										X											

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1426		11/21/18	1426	Sample condition (circle): Chilled Intact
	11/21/18	1710		11/21/18	1710	Excavation Area:

## Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi. Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		VOCs, EPA Method 8260	TPH carbon char	Metals, EPA Method 6010	Lead, EPA Method 8000	Arsenic, EPA Method 8210	STLC Lead EPA Method 8210	TCPLP Lead EPA Method 8210	PCBs, EPA Method 8210	OCES	VOCs	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA Method 8210)	Normal / Standard	72 Hour	48 Hours	24 Hours																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date																				Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	B93-0.5	61	X			X						11/14/18	1115			XX					X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Relinquished by	Date	Time	Received by	Date	Time	Remarks
 P. Secam	11/21/18	1426	R. N. EC	11/21/18	1426	Sample condition (circle): Chilled    Intact
Rudy W	11/21/18	1710	R. N. EC	11/21/18	1710	Excavation Area:

# Chain-of-Custody Record

EFI\_01

515

1814

## Analytical Laboratory: Eurofins Calscience

Project Name / Number	LAUSD Taft HS	9836003557
Project Address:	5461 Winnetka Ave, Woodland Hills	
Project Manager:	D. Salgado	
Sampled by:	P. Skeath	
Phone:	(310) 409-9980	
Email:	Desi_Salgado@efiglobal.com	

Number	Sample ID	Lab ID	Type		Matrix				Preservative				Sampling Information		VOCs, EPA Meth	TPH carbon char	Metals, EPA Meth	Lead, EPA Meth	Arsenic, EPA Meth	STLC Lead EPA	TCLP Lead EPA	PCBs, EPA Meth	OCES	Composite Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Normal / Standard	72 Hour	48 Hours	24 Hours
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time																	
1	B61C-0.5	81	X			X							11/20/18	1110			XX					X					X				
2	B61C-1.5	82											↓	1115									X								
3	B61C-3	83											↓	1120									X								
4	B52A-0.5	84											11/20/18	0900			XX					X									
5	B52A-1.5	85											↓	0905									X								
6	B52A-3	86											↓	0910									X								
7	B52B-0.5	87											↓	0915			XX					X									
8	B52B-1.5	88											↓	0920									X								
9	B52B-3	89											↓	0925									X								
10	B52C-0.5	90											↓	0930			XX					X									
11	B52C-1.5	91											↓	0935									X								
12	B52C-3	92											↓	0940									X								
13	B52B-1.5 DUP	93											11/21/18	0920									X								
14	B61B-0.5 DUP	94											11/20/18	1055			XX					X									
15	B73-0.5 DUP	95											11/19/18	1240			XX					X									
16	B77-2 DUP	96											11/20/18	0935									X								
17	B80-0.5 DUP	97											11/19/18	1720			XX					X									
18	B83-1.5 DUP	98											↓	1020									X								
19	B86-0.5 DUP	99											↓	0930			XX					X									
20	B96-1.5 DUP	100	✓			✓							11/21/18	1030									X								

Relinquished by	Date	Time	Received by	Date	Time	Remarks
	11/21/18	1420		11/21/18	1426	Sample condition (circle): Chilled Intact
	11/21/18	1710		11/21/18	1710	Excavation Area:

# SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: EFT

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 2.9 °C (w/ CF): 2.9 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: UAM

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: UAM

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1163

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbop Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOA<sub>h</sub> ☐ VOA<sub>na2</sub> ☐ 100PJ ☐ 100PJ<sub>na2</sub> ☐ 125AGB ☐ 125AGB<sub>h</sub> ☐ 125AGB<sub>p</sub> ☐ 125PB ☐ 125PB<sub>znna</sub> (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PB<sub>n</sub> (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB<sub>na</sub> (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☒ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: 1163

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: UAM

# SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: EFT

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 2.7 °C (w/ CF): 2.7 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: UAM

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: UAM

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1163

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers <input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500) <input type="checkbox"/> Carbop Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☐ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>, Labeled/Checked by: M63

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: UAM

# SAMPLE ANOMALY REPORT

DATE: **11/7/2018**

## SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☒ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags\*)
  - ☐ Leaking (transferred into client's Tedlar™ bags\*)

\* Transferred at client's request.

## MISCELLANEOUS: (Describe)

## HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

## Comments

(-101) received 1 - 8oz. clear glass jar labeled as: B92-3-bup, 11/19/18 @ 11:10 not on COC.

## Comments

Comments: \_\_\_\_\_

Reported by: **1163**  
Reviewed by: **up2**

\*\* Record the total number of containers (i.e., vials or bottles) for the affected sample.

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Monday, November 26, 2018 9:22 AM  
**To:** Stephen Nowak  
**Subject:** RE: LAUSD Taft HS / 9836003557

EXTERNAL EMAIL\*

Steve,

Please add it to the COC and place the sample on hold. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Monday, November 26, 2018 9:20 AM  
**To:** Salgado, Desi  
**Subject:** LAUSD Taft HS / 9836003557

Desi- See attached COC and sample anomaly form (Page 8).

Extra sample rec'd not listed on the COC- B92-3\_DUP 11/19/18 @ 11:10.  
 Let me know if we are to do anything with this sample.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Env](http://www.eurofinsUS.com/Env)

## Stephen Nowak

---

**From:** Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>  
**Sent:** Friday, December 07, 2018 2:00 PM  
**To:** Stephen Nowak  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

EXTERNAL EMAIL \*

Please proceed. Thank you!

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [mailto:StephenNowak@eurofinsUS.com]  
**Sent:** Friday, December 07, 2018 1:59 PM  
**To:** Salgado, Desi  
**Cc:** Hoaibao Nguyen  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

Please also run B52C-1.5 for arsenic by 6020. **OK-added.**

Also, is there enough sample left to run TPHcc on B95-0.5 and B96-0.5? **–YES, let me know if you want to add.**

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)  
 Website: [www.eurofinsUS.com/Env](http://www.eurofinsUS.com/Env)



The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. Email transmission cannot be guaranteed to be secure or error free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete. The sender therefore is in no way liable for any errors or omissions in the content of this message which may arise as a result of email transmission. If verification is required, please request a hard copy. We take reasonable precautions to ensure our emails are free from viruses. You need, however, to verify that this email and any attachments are free of viruses, as we can take no responsibility for any computer viruses, which might be transferred by way of this email. We may monitor all email communication through our networks. If you contact us by email, we may store your name and address to facilitate communication.

---

**From:** Salgado, Desi [<mailto:Desi.Salgado@EFIGLOBAL.com>]  
**Sent:** Friday, December 07, 2018 1:30 PM  
**To:** Stephen Nowak  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

EXTERNAL EMAIL\*

Steve,

Please also run B52C-1.5 for arsenic by 6020. Also, is there enough sample left to run TPHcc on B95-0.5 and B96-0.5? Please advise. Thanks!

Sincerely,

**Desi Salgado** | Project Manager  
 EFI Global, Inc.  
 Los Angeles, CA  
 DIRECT 310.854.6300 | FAX 310.854.0199  
 CELL 310.409.9980 | EMAIL [Desi.Salgado@efiglobal.com](mailto:Desi.Salgado@efiglobal.com)  
 CSLB License #: 885902 – A, B, HAZ, ASB  
[www.efiglobal.com](http://www.efiglobal.com) | Caring counts®




---

**From:** Stephen Nowak [<mailto:StephenNowak@eurofinsUS.com>]  
**Sent:** Friday, December 07, 2018 11:56 AM  
**To:** Salgado, Desi  
**Subject:** RE: LAUSD Taft HS / 9836003557 / ECI 18-11-1814

OK- will do.

Stephen Nowak  
 Project Manager



Eurofins Calscience, LLC  
 7440 Lincoln Way  
 GARDEN GROVE, CA 92841  
 USA  
 Phone: +1 714 895 5494

Email: [StephenNowak@EurofinsUS.com](mailto:StephenNowak@EurofinsUS.com)



**Calscience**



**WORK ORDER NUMBER: 18-11-1815**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** EFI Global Inc.

**Client Project Name:** LAUSD Taft HS / 9836003557

**Attention:** Desi Salgado  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Approved for release on 12/04/2018 by:  
Stephen Nowak  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

# Contents

Client Project Name: LAUSD Taft HS / 9836003557  
 Work Order Number: 18-11-1815

1	Work Order Narrative. . . . .	3
2	Sample Summary. . . . .	4
3	Detections Summary. . . . .	5
4	Client Sample Data. . . . .	6
	4.1 EPA 8015B (M) C6-C44 (Solid). . . . .	6
	4.2 EPA 6010B/7471A CAC Title 22 Metals (Solid). . . . .	9
	4.3 EPA 7471A Mercury (Solid). . . . .	12
	4.4 EPA 8260B Volatile Organics (Solid). . . . .	13
5	Quality Control Sample Data. . . . .	22
	5.1 MS/MSD. . . . .	22
	5.2 LCS/LCSD. . . . .	25
6	Sample Analysis Summary. . . . .	28
7	Glossary of Terms and Qualifiers. . . . .	29
8	Chain-of-Custody/Sample Receipt Form. . . . .	30

**Work Order Narrative**

Work Order: 18-11-1815

Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 11/21/18. They were assigned to Work Order 18-11-1815.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

**Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of  $\leq 15$  minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

**Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

**Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

**Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

**DoD Projects:**

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.



Calscience

**Sample Summary**

---

Client:	EFI Global Inc.	Work Order:	18-11-1815
	5261 West Imperial Highway	Project Name:	LAUSD Taft HS / 9836003557
	Los Angeles, CA 90045-6231	PO Number:	
		Date/Time Received:	11/21/18 17:10
		Number of Containers:	2

---

Attn: Desi Salgado

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D1-S	18-11-1815-1	11/21/18 11:05	1	Solid
D2-S	18-11-1815-2	11/21/18 11:10	1	Solid

  
Return to Contents



Calscience

## Detections Summary

Client: EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Work Order: 18-11-1815  
Project Name: LAUSD Taft HS / 9836003557  
Received: 11/21/18

Attn: Desi Salgado

Page 1 of 1

### Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
D1-S (18-11-1815-1)						
Arsenic	10.9		0.746	mg/kg	EPA 6010B	EPA 3050B
Barium	143		0.498	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.613		0.249	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.972		0.498	mg/kg	EPA 6010B	EPA 3050B
Chromium	21.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.29		0.249	mg/kg	EPA 6010B	EPA 3050B
Copper	30.0		0.498	mg/kg	EPA 6010B	EPA 3050B
Lead	6.85		0.498	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.92		0.249	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.3		0.249	mg/kg	EPA 6010B	EPA 3050B
Selenium	1.57		0.746	mg/kg	EPA 6010B	EPA 3050B
Vanadium	28.4		0.249	mg/kg	EPA 6010B	EPA 3050B
Zinc	80.4		0.995	mg/kg	EPA 6010B	EPA 3050B
C33-C36	6.1		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C41-C44	6.8		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
D2-S (18-11-1815-2)						
Arsenic	10.7		0.761	mg/kg	EPA 6010B	EPA 3050B
Barium	158		0.508	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.637		0.254	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.24		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.2		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.35		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	27.5		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	12.3		0.508	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.29		0.254	mg/kg	EPA 6010B	EPA 3050B
Nickel	27.2		0.254	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.4		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	149		1.02	mg/kg	EPA 6010B	EPA 3050B
C23-C24	15		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C25-C28	11		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C29-C32	22		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C33-C36	20		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C37-C40	9.6		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C41-C44	8.3		4.9	mg/kg	EPA 8015B (M)	EPA 3550B

Subcontracted analyses, if any, are not included in this summary.

\* MDL is shown



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D1-S	18-11-1815-1-A	11/21/18 11:05	Solid	GC 48	11/28/18	11/28/18 23:15	181128B02A

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	6.1	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	6.8	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D2-S	18-11-1815-2-A	11/21/18 11:10	Solid	GC 48	11/28/18	11/28/18 23:37	181128B02A

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	15	4.9	1.00	
C25-C28	11	4.9	1.00	
C29-C32	22	4.9	1.00	
C33-C36	20	4.9	1.00	
C37-C40	9.6	4.9	1.00	
C41-C44	8.3	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	83	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-490-3417	N/A	Solid	GC 48	11/28/18	11/28/18 19:07	181128B02A

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D1-S	18-11-1815-1-A	11/21/18 11:05	Solid	ICP 8300	11/27/18	11/27/18 23:15	181127L03

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.746	0.995	
Arsenic	10.9	0.746	0.995	
Barium	143	0.498	0.995	
Beryllium	0.613	0.249	0.995	
Cadmium	0.972	0.498	0.995	
Chromium	21.4	0.249	0.995	
Cobalt	7.29	0.249	0.995	
Copper	30.0	0.498	0.995	
Lead	6.85	0.498	0.995	
Molybdenum	4.92	0.249	0.995	
Nickel	30.3	0.249	0.995	
Selenium	1.57	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	ND	0.746	0.995	
Vanadium	28.4	0.249	0.995	
Zinc	80.4	0.995	0.995	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D2-S	18-11-1815-2-A	11/21/18 11:10	Solid	ICP 8300	11/27/18	11/27/18 23:17	181127L03

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.761	1.02	
Arsenic	10.7	0.761	1.02	
Barium	158	0.508	1.02	
Beryllium	0.637	0.254	1.02	
Cadmium	1.24	0.508	1.02	
Chromium	19.2	0.254	1.02	
Cobalt	8.35	0.254	1.02	
Copper	27.5	0.508	1.02	
Lead	12.3	0.508	1.02	
Molybdenum	3.29	0.254	1.02	
Nickel	27.2	0.254	1.02	
Selenium	ND	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	32.4	0.254	1.02	
Zinc	149	1.02	1.02	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3050B  
Method: EPA 6010B  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-27321	N/A	Solid	ICP 8300	11/27/18	11/27/18 22:28	181127L03

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Arsenic	ND	0.739	0.985	
Barium	ND	0.493	0.985	
Beryllium	ND	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	ND	0.246	0.985	
Cobalt	ND	0.246	0.985	
Copper	ND	0.493	0.985	
Lead	ND	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	ND	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	ND	0.246	0.985	
Zinc	ND	0.985	0.985	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 7471A Total  
Method: EPA 7471A  
Units: mg/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>D1-S</b>	<b>18-11-1815-1-A</b>	<b>11/21/18 11:05</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>11/28/18</b>	<b>11/28/18 15:57</b>	<b>181128L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0847		1.00	
<b>D2-S</b>	<b>18-11-1815-2-A</b>	<b>11/21/18 11:10</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>11/28/18</b>	<b>11/28/18 16:03</b>	<b>181128L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0877		1.00	
<b>Method Blank</b>	<b>099-16-272-4304</b>	<b>N/A</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>11/28/18</b>	<b>11/28/18 15:15</b>	<b>181128L02</b>
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0820		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D1-S	18-11-1815-1-A	11/21/18 11:05	Solid	GC/MS BB	11/21/18	11/21/18 23:50	181121L012

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 2 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 3 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	98	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D2-S	18-11-1815-2-A	11/21/18 11:10	Solid	GC/MS BB	11/21/18	11/22/18 00:17	181121L012

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 5 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 6 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	126	71-155	
Toluene-d8	100	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-796-14864	N/A	Solid	GC/MS BB	11/21/18	11/21/18 16:15	181121L012

Parameter	Result	RL	DF	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
1,1-Dichloropropene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	25	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,2-Dichloroethane	ND	2.5	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	
2-Butanone	ND	50	1.00	
2-Chlorotoluene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
4-Chlorotoluene	ND	5.0	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
Carbon Disulfide	ND	50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

## Analytical Report

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 8 of 9

Parameter	Result	RL	DF	Qualifiers
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
Dibromochloromethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
Isopropylbenzene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
Naphthalene	ND	50	1.00	
Styrene	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
Trichloroethene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
n-Butylbenzene	ND	5.0	1.00	
n-Propylbenzene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	
1,4-Dioxane	ND	100	1.00	
Tert-Butyl Alcohol (TBA)	ND	50	1.00	
Diisopropyl Ether (DIPE)	ND	10	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	10	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	10	1.00	
Ethanol	ND	250	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

**Analytical Report**

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/kg

Project: LAUSD Taft HS / 9836003557

Page 9 of 9

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	100	80-120	

  
Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
18-11-1726-1	Sample	Solid	ICP 8300	11/27/18	11/27/18 22:36	181127S03				
18-11-1726-1	Matrix Spike	Solid	ICP 8300	11/27/18	11/27/18 22:38	181127S03				
18-11-1726-1	Matrix Spike Duplicate	Solid	ICP 8300	11/27/18	11/27/18 22:40	181127S03				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	1.538	25.00	23.16	87	22.50	84	50-115	3	0-20	
Arsenic	ND	25.00	21.78	87	22.42	90	75-125	3	0-20	
Barium	50.94	25.00	76.52	102	76.24	101	75-125	0	0-20	
Beryllium	ND	25.00	23.07	92	23.26	93	75-125	1	0-20	
Cadmium	ND	25.00	23.77	95	23.86	95	75-125	0	0-20	
Chromium	4.288	25.00	28.38	96	28.37	96	75-125	0	0-20	
Cobalt	0.5398	25.00	25.11	98	25.20	99	75-125	0	0-20	
Copper	74.74	25.00	99.70	100	99.73	100	75-125	0	0-20	
Lead	4.273	25.00	28.23	96	28.30	96	75-125	0	0-20	
Molybdenum	3.224	25.00	25.00	87	25.09	87	75-125	0	0-20	
Nickel	4.557	25.00	28.45	96	28.48	96	75-125	0	0-20	
Selenium	1.489	25.00	25.22	95	25.04	94	75-125	1	0-20	
Silver	0.5207	12.50	12.57	96	12.65	97	75-125	1	0-20	
Thallium	ND	25.00	23.07	92	23.64	95	75-125	2	0-20	
Vanadium	1.362	25.00	25.04	95	25.15	95	75-125	0	0-20	
Zinc	215.3	25.00	238.8	4X	237.5	4X	75-125	4X	0-20	Q

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: LAUSD Taft HS / 9836003557

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-11-1726-1	Sample	Solid	Mercury 08	11/28/18	11/28/18 15:20	181128S02
18-11-1726-1	Matrix Spike	Solid	Mercury 08	11/28/18	11/28/18 15:22	181128S02
18-11-1726-1	Matrix Spike Duplicate	Solid	Mercury 08	11/28/18	11/29/18 14:41	181128S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.1359	0.8350	0.8853	90	0.7580	74	71-137	16	0-14	4

  
Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - Spike/Spike Duplicate

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: LAUSD Taft HS / 9836003557

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-11-1725-1	Sample	Solid	GC/MS BB	11/21/18	11/21/18 17:08	181121S004
18-11-1725-1	Matrix Spike	Solid	GC/MS BB	11/21/18	11/21/18 18:28	181121S004
18-11-1725-1	Matrix Spike Duplicate	Solid	GC/MS BB	11/21/18	11/21/18 18:55	181121S004

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloroethene	ND	50.00	37.62	75	45.52	91	47-143	19	0-25	
1,2-Dibromoethane	ND	50.00	43.92	88	52.28	105	64-124	17	0-20	
1,2-Dichlorobenzene	ND	50.00	39.05	78	43.43	87	35-131	11	0-25	
1,2-Dichloroethane	ND	50.00	43.86	88	51.57	103	80-120	16	0-20	
Benzene	ND	50.00	35.44	71	42.12	84	61-127	17	0-20	
Carbon Tetrachloride	ND	50.00	40.52	81	48.63	97	51-135	18	0-29	
Chlorobenzene	ND	50.00	36.41	73	43.43	87	57-123	18	0-20	
Ethylbenzene	ND	50.00	36.52	73	43.51	87	57-129	17	0-22	
Toluene	ND	50.00	36.12	72	42.85	86	63-123	17	0-20	
Trichloroethene	ND	50.00	40.35	81	45.98	92	44-158	13	0-20	
Vinyl Chloride	ND	50.00	44.22	88	52.82	106	49-139	18	0-47	
o-Xylene	ND	50.00	38.28	77	46.07	92	70-130	18	0-30	
p/m-Xylene	ND	100.0	76.10	76	92.11	92	70-130	19	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	34.45	69	41.12	82	57-123	18	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	209.4	84	241.9	97	30-168	14	0-34	
Diisopropyl Ether (DIPE)	ND	50.00	38.46	77	46.09	92	57-129	18	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	33.99	68	41.24	82	55-127	19	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	38.92	78	46.45	93	58-124	18	0-20	
Ethanol	ND	500.0	404.7	81	470.6	94	17-167	15	0-47	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS/LCSD

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 3050B  
Method: EPA 6010B

Project: LAUSD Taft HS / 9836003557

Page 1 of 3

Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
097-01-002-27321	LCS	Solid		ICP 8300	11/27/18	11/27/18 22:31	181127L03			
097-01-002-27321	LCSD	Solid		ICP 8300	11/27/18	11/27/18 22:33	181127L03			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	25.00	22.39	90	22.14	89	80-120	73-127	1	0-20	
Arsenic	25.00	21.24	85	20.88	84	80-120	73-127	2	0-20	
Barium	25.00	26.52	106	26.17	105	80-120	73-127	1	0-20	
Beryllium	25.00	23.73	95	23.29	93	80-120	73-127	2	0-20	
Cadmium	25.00	25.59	102	25.16	101	80-120	73-127	2	0-20	
Chromium	25.00	25.49	102	25.10	100	80-120	73-127	2	0-20	
Cobalt	25.00	27.67	111	27.19	109	80-120	73-127	2	0-20	
Copper	25.00	25.95	104	25.69	103	80-120	73-127	1	0-20	
Lead	25.00	27.04	108	26.67	107	80-120	73-127	1	0-20	
Molybdenum	25.00	23.09	92	23.00	92	80-120	73-127	0	0-20	
Nickel	25.00	26.96	108	26.61	106	80-120	73-127	1	0-20	
Selenium	25.00	23.91	96	23.95	96	80-120	73-127	0	0-20	
Silver	12.50	11.36	91	11.23	90	80-120	73-127	1	0-20	
Thallium	25.00	26.47	106	26.30	105	80-120	73-127	1	0-20	
Vanadium	25.00	24.64	99	24.17	97	80-120	73-127	2	0-20	
Zinc	25.00	24.81	99	24.44	98	80-120	73-127	2	0-20	

Total number of LCS compounds: 16

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 7471A Total  
Method: EPA 7471A

Project: LAUSD Taft HS / 9836003557

Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-16-272-4304</b>	<b>LCS</b>	<b>Solid</b>	<b>Mercury 08</b>	<b>11/28/18</b>	<b>11/28/18 15:18</b>	<b>181128L02</b>

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.8298	99	85-121	


 Return to Contents



Calscience

## Quality Control - LCS

EFI Global Inc.  
5261 West Imperial Highway  
Los Angeles, CA 90045-6231

Date Received: 11/21/18  
Work Order: 18-11-1815  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: LAUSD Taft HS / 9836003557

Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-12-796-14864</b>	<b>LCS</b>	<b>Solid</b>	<b>GC/MS BB</b>	<b>11/21/18</b>	<b>11/21/18 15:21</b>	<b>181121L012</b>
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
1,1-Dichloroethene	50.00	43.41	87	68-128	58-138	
1,2-Dibromoethane	50.00	44.10	88	80-120	73-127	
1,2-Dichlorobenzene	50.00	40.93	82	80-120	73-127	
1,2-Dichloroethane	50.00	45.28	91	80-120	73-127	
Benzene	50.00	39.96	80	80-120	73-127	
Carbon Tetrachloride	50.00	45.81	92	65-137	53-149	
Chlorobenzene	50.00	40.79	82	80-120	73-127	
Ethylbenzene	50.00	41.50	83	80-120	73-127	
Toluene	50.00	40.63	81	80-120	73-127	
Trichloroethene	50.00	42.33	85	80-120	73-127	
Vinyl Chloride	50.00	46.46	93	67-127	57-137	
o-Xylene	50.00	43.51	87	75-125	67-133	
p/m-Xylene	100.0	87.07	87	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	35.12	70	70-124	61-133	
Tert-Butyl Alcohol (TBA)	250.0	211.2	84	73-121	65-129	
Diisopropyl Ether (DIPE)	50.00	41.85	84	69-129	59-139	
Ethyl-t-Butyl Ether (ETBE)	50.00	36.64	73	70-124	61-133	
Tert-Amyl-Methyl Ether (TAME)	50.00	41.06	82	74-122	66-130	
Ethanol	500.0	402.6	81	51-135	37-149	

Total number of LCS compounds: 19

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

## Sample Analysis Summary Report

Work Order: 18-11-1815

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	1080	ICP 8300	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1
EPA 8015B (M)	EPA 3550B	972	GC 48	1
EPA 8260B	EPA 5030C	1120	GC/MS BB	2

  
Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

## Glossary of Terms and Qualifiers

Work Order: 18-11-1815

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

**EFI Global**  
5261 West  
Tel: (310) 8

5261 West Imperial Highway, Los Angeles CA 90045  
Tel: (310) 854-6300 Fax: (310) 854-0199 [www.Andeel.com](http://www.Andeel.com)

## Chain-of-Custody Record

**EFI\_03**

Analytical Laboratory: Eurofins Calscience														
Project Name / Number			LAUSD Taft HS			9836003557			18-11-1815					
Project Address:			5461 Winnetka Ave, Woodland Hills											
Project Manager:			D. Salgado											
Sampled by:			P. Skeath											
Phone:			(310) 409-9980											
Email:			Desi. Salgado@efiglobal.com											
Number	Sample ID	Lab ID	Type		Matrix			Preservative				Sampling Information		
			Grab	Composite	Water	Soil	Vapor	Other	Cold (4° C)	HNO3	NaHSO4	HCl	Date	Time
1	D1-S	1	X	X	X	X							11/21/18	1105
2	D2-S	2	X	X	X	X							11/21/18	1110
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
Relinquished by			Date		Time		Received by		Date		Time		Remarks	
[Signature]			11/21/18		1426		[Signature]		11/21/18		1426		Sample condition (circle): Chilled Intact	
[Signature]			11/21/18		1710		[Signature]		11/21/18		1710		Excavation Area:	

## SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: EFT

DATE: 11/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 3.1 °C (w/ CF): 3.1 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling ~☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ Filter

Checked by: VAM1

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: VAM1

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: WDC2

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Acid/base preserved samples - pH within acceptable range .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Container(s) for certain analysis free of headspace .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CONTAINER TYPE:

(Trip Blank Lot Number: \_\_\_\_\_)

Aqueous: ☐ VOA ☐ VOAh ☐ VOAna<sub>2</sub> ☐ 100PJ ☐ 100PJna<sub>2</sub> ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznnna (pH\_\_9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH\_\_2) ☐ 250PB ☐ 250PBn (pH\_\_2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH\_\_2) ☐ 500PB

☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs (pH\_\_2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH\_\_12) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Solid: ☒ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (\_\_\_\_) ☐ EnCores® (\_\_\_\_) ☐ TerraCores® (\_\_\_\_) ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ \_\_\_\_\_ Other Matrix (\_\_\_\_): ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO<sub>3</sub>, na = NaOH, na<sub>2</sub> = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, p = H<sub>3</sub>PO<sub>4</sub>,

Labeled/Checked by: WDC2

s = H<sub>2</sub>SO<sub>4</sub>, u = ultra-pure, x = Na<sub>2</sub>SO<sub>3</sub>+NaHSO<sub>4</sub>.H<sub>2</sub>O, znnna = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: WDC2

**APPENDIX C**  
**INVESTIGATEVE-DERIVED WASTE MANIFEST**

↑ GENERATOR ↓

↑ INT'L ↓

↑ TRANSPORTER ↓

↑ DESIGNATED FACILITY ↓

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>Not Required</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>888-423-6060</b>	4. Waste Tracking Number <b>122018-6051</b>	
5. Generator's Name and Mailing Address <b>Los Angeles Unified School District 333 South Beaudry Ave., Suite 28th Floor Los Angeles CA 90017</b>			Generator's Site Address (if different than mailing address) <b>William Howard Taft Charter High School 5461 Winnetka Avenue Woodland Hills CA 91364</b>			
Generator's Phone: <b>213 241-1000</b>			U.S. EPA ID Number <b>CAR000148338</b>			
6. Transporter 1 Company Name <b>American Integrated Services, Inc.</b>			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Crosby &amp; Overton, Inc. 1630 W. 17th Street Long Beach CA 90813</b>			U.S. EPA ID Number <b>CAD028409019</b>			
Facility's Phone: <b>562 432-5445</b>						
9. Waste Shipping Name and Description			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. <b>Non-Hazardous Waste, Solid (Soil)</b>			<b>2</b>	<b>DM</b>	<b>300</b>	<b>P</b>
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information <b>Always wear appropriate PPE when handling waste. Weights or volumes are approximate. 9.1) Profile #:110592 Project #38020-17-6</b>						
<b>D166955</b>						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offor's Printed/Typed Name <b>Andran Modugno</b>			Signature <i>[Signature]</i>		Month <b>12</b>	Day <b>26</b>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:		Year <b>18</b>	
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>JOE PEREZ</b>			Signature <i>[Signature]</i>		Month <b>12</b>	Day <b>26</b>
Transporter 2 Printed/Typed Name			Signature		Year <b>18</b>	
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)					Month <b>12</b>	Day <b>27</b>
					Year <b>18</b>	
18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name <b>Tony Pham</b>			Signature <i>[Signature]</i>		Month <b>12</b>	Day <b>27</b>
					Year <b>18</b>	

**APPENDIX D**  
**PROUCL RESULTS**

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.11/31/2019 8:13:17 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	0-0.5											
12												
13	General Statistics											
14	Total Number of Observations				118		Number of Distinct Observations				106	
15							Number of Missing Observations				0	
16	Minimum				1.49		Mean				7.934	
17	Maximum				21.4		Median				7.7	
18	SD				3.492		Std. Error of Mean				0.321	
19	Coefficient of Variation				0.44		Skewness				1.24	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.921		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk P Value				9.3286E-8		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.123		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.0819		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				8.467		95% Adjusted-CLT UCL (Chen-1995)				8.502	
31							95% Modified-t UCL (Johnson-1978)				8.473	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				0.5		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.754		Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.0764		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.0849		Detected data appear Gamma Distributed at 5% Significance Level					
38	Detected data appear Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				5.487		k star (bias corrected MLE)				5.353	
42	Theta hat (MLE)				1.446		Theta star (bias corrected MLE)				1.482	
43	nu hat (MLE)				1295		nu star (bias corrected)				1263	
44	MLE Mean (bias corrected)				7.934		MLE Sd (bias corrected)				3.429	
45							Approximate Chi Square Value (0.05)				1182	
46	Adjusted Level of Significance				0.048		Adjusted Chi Square Value				1181	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50)				8.481		95% Adjusted Gamma UCL (use when n<50)				8.488	
50												
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic				0.974		Shapiro Wilk Lognormal GOF Test					



	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.11/31/2019 8:13:22 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	1-1.5											
12												
13	General Statistics											
14	Total Number of Observations				9		Number of Distinct Observations				9	
15							Number of Missing Observations				0	
16	Minimum				5.79		Mean				9.65	
17	Maximum				17		Median				10.7	
18	SD				3.782		Std. Error of Mean				1.261	
19	Coefficient of Variation				0.392		Skewness				0.74	
20												
21	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
22	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
23	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
24	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.1											
25												
26	Normal GOF Test											
27	Shapiro Wilk Test Statistic				0.878		Shapiro Wilk GOF Test					
28	5% Shapiro Wilk Critical Value				0.829		Data appear Normal at 5% Significance Level					
29	Lilliefors Test Statistic				0.223		Lilliefors GOF Test					
30	5% Lilliefors Critical Value				0.274		Data appear Normal at 5% Significance Level					
31	Data appear Normal at 5% Significance Level											
32												
33	Assuming Normal Distribution											
34	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
35	95% Student's-t UCL				11.99		95% Adjusted-CLT UCL (Chen-1995)				12.06	
36							95% Modified-t UCL (Johnson-1978)				12.05	
37												
38	Gamma GOF Test											
39	A-D Test Statistic				0.543		Anderson-Darling Gamma GOF Test					
40	5% A-D Critical Value				0.722		Detected data appear Gamma Distributed at 5% Significance Level					
41	K-S Test Statistic				0.235		Kolmogorov-Smirnov Gamma GOF Test					
42	5% K-S Critical Value				0.28		Detected data appear Gamma Distributed at 5% Significance Level					
43	Detected data appear Gamma Distributed at 5% Significance Level											
44												
45	Gamma Statistics											
46	k hat (MLE)				7.644		k star (bias corrected MLE)				5.17	
47	Theta hat (MLE)				1.262		Theta star (bias corrected MLE)				1.867	
48	nu hat (MLE)				137.6		nu star (bias corrected)				93.06	
49	MLE Mean (bias corrected)				9.65		MLE Sd (bias corrected)				4.244	
50							Approximate Chi Square Value (0.05)				71.81	
51	Adjusted Level of Significance				0.0231		Adjusted Chi Square Value				67.89	
52												

	A	B	C	D	E	F	G	H	I	J	K	L
53	Assuming Gamma Distribution											
54	95% Approximate Gamma UCL (use when n>=50))					12.51	95% Adjusted Gamma UCL (use when n<50)					13.23
55												
56	Lognormal GOF Test											
57	Shapiro Wilk Test Statistic					0.887	Shapiro Wilk Lognormal GOF Test					
58	5% Shapiro Wilk Critical Value					0.829	Data appear Lognormal at 5% Significance Level					
59	Lilliefors Test Statistic					0.225	Lilliefors Lognormal GOF Test					
60	5% Lilliefors Critical Value					0.274	Data appear Lognormal at 5% Significance Level					
61	Data appear Lognormal at 5% Significance Level											
62												
63	Lognormal Statistics											
64	Minimum of Logged Data					1.756	Mean of logged Data					2.2
65	Maximum of Logged Data					2.833	SD of logged Data					0.387
66												
67	Assuming Lognormal Distribution											
68	95% H-UCL					12.99	90% Chebyshev (MVUE) UCL					13.41
69	95% Chebyshev (MVUE) UCL					15.11	97.5% Chebyshev (MVUE) UCL					17.48
70	99% Chebyshev (MVUE) UCL					22.13						
71												
72	Nonparametric Distribution Free UCL Statistics											
73	Data appear to follow a Discernible Distribution at 5% Significance Level											
74												
75	Nonparametric Distribution Free UCLs											
76	95% CLT UCL					11.72	95% Jackknife UCL					11.99
77	95% Standard Bootstrap UCL					11.6	95% Bootstrap-t UCL					12.42
78	95% Hall's Bootstrap UCL					12.1	95% Percentile Bootstrap UCL					11.57
79	95% BCA Bootstrap UCL					11.95						
80	90% Chebyshev(Mean, Sd) UCL					13.43	95% Chebyshev(Mean, Sd) UCL					15.15
81	97.5% Chebyshev(Mean, Sd) UCL					17.52	99% Chebyshev(Mean, Sd) UCL					22.19
82												
83	Suggested UCL to Use											
84	95% Student's-t UCL					11.99						
85												
86	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
87	Recommendations are based upon data size, data distribution, and skewness.											
88	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
89	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
90												

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.11/31/2019 8:13:26 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	2.5-3											
12												
13	General Statistics											
14	Total Number of Observations				6		Number of Distinct Observations				6	
15							Number of Missing Observations				0	
16	Minimum				4.33		Mean				8.022	
17	Maximum				13.5		Median				7.165	
18	SD				3.197		Std. Error of Mean				1.305	
19	Coefficient of Variation				0.399		Skewness				1.015	
20												
21	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
22	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
23	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
24	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.1											
25												
26	Normal GOF Test											
27	Shapiro Wilk Test Statistic				0.936		Shapiro Wilk GOF Test					
28	5% Shapiro Wilk Critical Value				0.788		Data appear Normal at 5% Significance Level					
29	Lilliefors Test Statistic				0.202		Lilliefors GOF Test					
30	5% Lilliefors Critical Value				0.325		Data appear Normal at 5% Significance Level					
31	Data appear Normal at 5% Significance Level											
32												
33	Assuming Normal Distribution											
34	95% Normal UCL				95% UCLs (Adjusted for Skewness)							
35	95% Student's-t UCL				10.65		95% Adjusted-CLT UCL (Chen-1995)				10.75	
36							95% Modified-t UCL (Johnson-1978)				10.74	
37												
38	Gamma GOF Test											
39	A-D Test Statistic				0.214		Anderson-Darling Gamma GOF Test					
40	5% A-D Critical Value				0.698		Detected data appear Gamma Distributed at 5% Significance Level					
41	K-S Test Statistic				0.163		Kolmogorov-Smirnov Gamma GOF Test					
42	5% K-S Critical Value				0.333		Detected data appear Gamma Distributed at 5% Significance Level					
43	Detected data appear Gamma Distributed at 5% Significance Level											
44												
45	Gamma Statistics											
46	k hat (MLE)				8.05		k star (bias corrected MLE)				4.136	
47	Theta hat (MLE)				0.996		Theta star (bias corrected MLE)				1.939	
48	nu hat (MLE)				96.6		nu star (bias corrected)				49.63	
49	MLE Mean (bias corrected)				8.022		MLE Sd (bias corrected)				3.944	
50							Approximate Chi Square Value (0.05)				34.46	
51	Adjusted Level of Significance				0.0122		Adjusted Chi Square Value				29.96	
52												

	A	B	C	D	E	F	G	H	I	J	K	L
53	Assuming Gamma Distribution											
54	95% Approximate Gamma UCL (use when n>=50))					11.55	95% Adjusted Gamma UCL (use when n<50)					13.29
55												
56	Lognormal GOF Test											
57	Shapiro Wilk Test Statistic					0.985	Shapiro Wilk Lognormal GOF Test					
58	5% Shapiro Wilk Critical Value					0.788	Data appear Lognormal at 5% Significance Level					
59	Lilliefors Test Statistic					0.164	Lilliefors Lognormal GOF Test					
60	5% Lilliefors Critical Value					0.325	Data appear Lognormal at 5% Significance Level					
61	Data appear Lognormal at 5% Significance Level											
62												
63	Lognormal Statistics											
64	Minimum of Logged Data					1.466	Mean of logged Data					2.019
65	Maximum of Logged Data					2.603	SD of logged Data					0.388
66												
67	Assuming Lognormal Distribution											
68	95% H-UCL					12.3	90% Chebyshev (MVUE) UCL					11.82
69	95% Chebyshev (MVUE) UCL					13.55	97.5% Chebyshev (MVUE) UCL					15.95
70	99% Chebyshev (MVUE) UCL					20.65						
71												
72	Nonparametric Distribution Free UCL Statistics											
73	Data appear to follow a Discernible Distribution at 5% Significance Level											
74												
75	Nonparametric Distribution Free UCLs											
76	95% CLT UCL					10.17	95% Jackknife UCL					10.65
77	95% Standard Bootstrap UCL					9.982	95% Bootstrap-t UCL					12.09
78	95% Hall's Bootstrap UCL					25.1	95% Percentile Bootstrap UCL					10.1
79	95% BCA Bootstrap UCL					10.17						
80	90% Chebyshev(Mean, Sd) UCL					11.94	95% Chebyshev(Mean, Sd) UCL					13.71
81	97.5% Chebyshev(Mean, Sd) UCL					16.17	99% Chebyshev(Mean, Sd) UCL					21.01
82												
83	Suggested UCL to Use											
84	95% Student's-t UCL					10.65						
85												
86	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
87	Recommendations are based upon data size, data distribution, and skewness.											
88	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
89	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
90												

	A	B	C
1	0-0.5	1-1.5	2.5-3
2	1.49	6.32	6.35
3	1.64	5.89	9.62
4	2.68	10.7	13.5
5	3	17	4.33
6	3.17	5.79	7.74
7	3.27	11.3	6.59
8	3.83	12.2	
9	3.95	6.75	
10	4.08	10.9	
11	4.09		
12	4.19		
13	4.23		
14	4.42		
15	4.43		
16	4.44		
17	4.46		
18	4.54		
19	4.62		
20	4.92		
21	4.94		
22	4.97		
23	4.98		
24	5.02		
25	5.05		
26	5.24		
27	5.3		
28	5.42		
29	5.42		
30	5.43		
31	5.53		
32	5.58		
33	5.64		
34	5.72		
35	5.75		
36	5.78		
37	5.79		
38	5.84		
39	5.85		
40	5.97		
41	6.04		
42	6.08		
43	6.19		
44	6.28		
45	6.32		
46	6.32		
47	6.49		
48	6.62		
49	6.83		
50	6.86		
51	6.89		
52	6.98		

	A	B	C
53	7.03		
54	7.13		
55	7.24		
56	7.34		
57	7.49		
58	7.61		
59	7.63		
60	7.64		
61	7.76		
62	7.78		
63	7.88		
64	7.91		
65	7.92		
66	7.92		
67	7.98		
68	8.06		
69	8.19		
70	8.22		
71	8.22		
72	8.23		
73	8.33		
74	8.34		
75	8.34		
76	8.34		
77	8.49		
78	8.53		
79	8.62		
80	8.64		
81	8.73		
82	8.89		
83	8.95		
84	8.98		
85	8.98		
86	8.99		
87	9.06		
88	9.17		
89	9.2		
90	9.24		
91	9.28		
92	9.34		
93	9.34		
94	9.91		
95	9.96		
96	9.99		
97	10.1		
98	10.1		
99	10.1		
100	10.4		
101	10.7		
102	11.1		
103	11.3		
104	11.5		

	A	B	C
105	11.8		
106	11.9		
107	12.1		
108	12.4		
109	12.6		
110	12.6		
111	12.7		
112	14.1		
113	14.1		
114	14.9		
115	16.5		
116	17		
117	17.4		
118	20		
119	21.4		