

## PEA EQUIVALENT REPORT

Ulysses S. Grant Senior High School  
13000 Oxnard Street  
Los Angeles, CA 91401



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September 15, 2017

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## **LIST OF ABBREVIATIONS/ACRONYMS**

ACM - asbestos containing material

AIN - Assessor's ID Number

APN – Assessor's parcel number

amsl - above mean sea level

bgs - below ground surface

Cal/EPA - California Environmental Protection Agency

CHHSL – California Human Health Screening Level

COPC - Chemical of potential concern

District - Los Angeles Unified School District

DTSC - Department of Toxic Substances Control

EPA – Environmental Protection Agency

ESA - Environmental Site Assessment

HASP - Site-specific health and safety plan

LAUSD - Los Angeles Unified School District

LBP - lead-based paint

OCPs - Organochlorine Pesticides

OEHS - Office of Environmental Health and Safety

PCBs - Polychlorinated Biphenyls

PEA-E - Preliminary Environmental Assessment Equivalent

PPE - Personal protective equipment

STLC – soluble threshold limit concentration

REC - Recognized environmental condition

TPH – Total petroleum hydrocarbons



## 1.0 EXECUTIVE SUMMARY

This Preliminary Environmental Assessment Equivalent (PEA-E) Document summarizes historical Site land use and outlines the approach utilized and data collected as part of the recently concluded assessment activities and Housekeeping Action conducted for Ulysses S. Grant High School (Site), located at 13000 Oxnard Street, Los Angeles, California 91401.

The Site is improved with approximately 10 one- and two-story permanent classroom or office buildings clad with brick and multiple one- and two-story bungalow classrooms throughout the school campus. The buildings include an administration building, a library, two gymnasiums, a cafeteria and lunch pavilion, a former auto shop building, agricultural fields and buildings, athletic fields, and classroom buildings. The property is a mixture of paved and unpaved areas, small planters, and athletic field space. The property is located within a largely residential and commercial area. The Site was developed on land which was previously used for agricultural purpose since prior to 1920. The agricultural land included several residential dwellings which were present on the Site. By 1962, the Site was developed with several buildings and playfields for the Ulysses S. Grant High School.

The primary objectives of this PEA-E were to assess shallow soil for potential environmental concerns identified in Waterstone Environmental's Phase I Environmental Site Assessment (ESA) conducted in July 2016, and to evaluate the overall Site health risk based on soil and soil gas analytical screening results for chemicals of potential concern (COPCs), including lead, arsenic, organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), and volatile organic compounds (VOCs).

The PEA-E field sampling activities presented herein were conducted on December 21, 22 and 23, 2016. Step-out samples were collected on January 16, 2017 and again on February 11, 2017. A total of 72 locations were advanced to a maximum depth of 2.5 feet below ground surface (bgs) using hand auger methods. Boring locations are shown on Figures 3 through 5. Soil samples were collected from 0.5, 1.5 and 2.5 feet and select samples were analyzed for COPCs. The soil matrix analytical results (Tables 3-7) indicate that elevated levels of lead were detected at one location during initial screening. Additional step-out borings were advanced to define this area of impact.

Based on the analytical results and comparisons with the screening levels, CES Group recommended that soil removal was necessary in the areas of borings S8, S9, S68, S69, and S73 to remove the lead- and arsenic-impacted soil from the School Site. The impacted soil was excavated and removed from the Site as part of a Housekeeping Action and was backfilled with certified clean soil from Hanson Aggregate. The analytical results from the soil samples were compared to the Total Threshold Limit Concentration (TTLC) and 10 times the Soluble Threshold Limit Concentration (STLC) for hazardous (Cal-hazardous) classification in California. In addition, the analytical results were compared to the 20 times the Toxicity Characteristic Leaching Procedure (TCLP) criteria

for federal or Resource Conservation and Recovery Act (RCRA) waste classification. Lead concentrations were subsequently below the TCLP criteria but above the STLC criteria. Based on this criteria, approximately 22.57 tons of excavated soil was characterized as California-hazardous (non-RCRA hazardous) material and was transported to South Yuma County Landfill for disposal.

## **2.0 INTRODUCTION**

This Preliminary Environmental Assessment Equivalent (PEA-E) Document summarizes historical Site land use and outlines the approach utilized and data collected during site assessment activities at Ulysses S. Grant Senior High School, located at 13000 Oxnard Street, Los Angeles, CA 91401 (Site). The purpose of the assessment was to determine if the Site's surficial soils were impacted with contaminants of potential concern.

This report was prepared by CES Group on behalf of the Los Angeles Unified School District (LAUSD). The data provided in this report is based on information obtained during Waterstone Environmental's *Phase I Environmental Site Assessment* (Phase I) investigation of the Site. The Site location is shown on Figures 1 and 2.

### **2.1 Site Description**

The Site is known as the Ulysses S. Grant Senior High School and is located at 13000 Oxnard Street, Los Angeles, California 91401. The Property is located within a residential area of the Valley Glen neighborhood south of Oxnard Street between Ethel Avenue and the Tujunga Wash. It is comprised of assessor parcel number (APN) 2341-024-900 and is 32 acres within Los Angeles County.

The Site is an operating high school and is improved with approximately 10 one- and two-story permanent classroom or office buildings clad with brick and multiple one- and two-story bungalow classrooms throughout the school campus. The buildings include an administration building, a library, two gymnasiums, a cafeteria and lunch pavilion, a former auto shop building, agricultural fields and buildings, athletic fields, and classroom buildings. The property is a mixture of paved and unpaved areas, small planters, and athletic field space. The property is located within a largely residential and commercial area.

Waterstone prepared a Phase I in July 2016 for the Site. According to the Phase I report, the Site was developed on land which was previously used for agricultural purposes prior to 1920. By 1962, the Site was developed with several buildings and playfields for Ulysses S. Grant High School. Demolition and renovations are planned for the buildings shown on Figure 2.

### **2.2 Background**

Ulysses S. Grant Senior High School is an active high school campus. The southeastern portion of the property is occupied by the campus for Jack London High School, which is listed under the address 12924 Oxnard Street.

A summary of the former Site use/operations is provided as follows:

- The Site was developed on land which was previously used for agricultural purpose prior to 1920. The agricultural land included several residential dwellings which were present on the Site.
- By 1962, the Site was developed with several buildings and playfields for Ulysses S. Grant High School.
- Stockpiles of soil which were generated during project upgrades from 2008 through 2014 on the Site were sampled to determine their suitability for reuse per the LAUSD Section 01440 guidance. It was concluded that soil samples in four of the six sampling events contained organochlorine pesticides (OCPs) above their respective detection limits and were therefore unacceptable for reuse onsite or for export to another LAUSD site.
- The Site received a Notice to Comply dated 5/29/2014 from the Fire Department to clean and maintain the gasoline storage room. Observations noted during an inspection included observed accumulation of gasoline residue on the shelves and floor. Compliance was achieved by 6/27/2014.

### **2.3 Regional Geology and Hydrogeology**

According to the Phase I ESA report, the Site is situated near latitude 34.177452 (north) and longitude 118.416281 (west) at an approximate elevation of 673 feet above mean sea level. The topography of the Site and vicinity is generally flat, but slopes gently to the south, as shown in the Van Nuys, California USGS Topographic Map. The Site is not located within a 100-year or 500-year flood zone.

Regionally, the Site is located within the Transverse Ranges geomorphic province. This province is characterized by east-west trending geologic structures that include the east-west trending Santa Monica Mountains and the east-west trending active San Fernando fault zone. The trend of the San Fernando Valley reflects the overall trend of the Transverse Ranges, where major structural features exhibit an east-west orientation in contrast to the northwest-southeast trend that dominates in the rest of California. The San Fernando Valley is an area of compression between the San Gabriel Mountains on the northeast and the Santa Monica Mountains on the south.

According to the Phase I ESA report, no fault zones are identified on the Site or within one-mile of the Site. The Site is located within an Alquist-Priolo fault zone and the nearest fault is the Hollywood Fault which is 5.7 miles from the Site.

The Site is located within the San Fernando Valley Groundwater Basin (Basin No. 4-12). According to the California Department of Water Resources (Bulletin 118, updated 2003), this area is classified as:

The San Fernando Valley Groundwater Basin includes the water-bearing sediments beneath the San Fernando Valley, Tujunga Valley, Browns Canyon, and the alluvial areas surrounding the Verdugo Mountains near La Crescenta and Eagle Rock. The basin is bounded on the north and northwest by the Santa Susana Mountains, on the north and northeast by the San Gabriel Mountains, on the east

by the San Rafael Hills, on the south by the Santa Monica Mountains and Chalk Hills, and on the west by the Simi Hills.

The water-bearing sediments consist of the lower Pleistocene Saugus Formation, Pleistocene and Holocene age alluvium. The groundwater in this basin is mainly unconfined with some confinement within the Saugus Formation in the western part of the basin and in the Sylmar and Eagle Rock areas. Groundwater flows generally from the edges of the basin toward the middle of the basin, then beneath the Los Angeles River Narrows into the Central Sub-basin of the Coastal Plain of Los Angeles Basin. In the northeastern part of the basin, groundwater moves from the La Crescenta area southward beneath the surface of Verdugo Canyon toward the Los Angeles River near Glendale, whereas the groundwater in the Tujunga area flows west following the Tujunga Wash around the Verdugo Mountains to join groundwater flowing from the west following the course of the Los Angeles River near Glendale.

Groundwater near the Site is expected to flow to the south. Based on monitoring reports prepared for a nearby property located approximately 2.2 miles northeast of the Site (11600 Sherman Way in North Hollywood [Ramboll Environ, 2016]), groundwater is expected to be encountered at approximately 260 feet below ground surface (bgs) with a perched zone at 60 feet bgs, and flows to the south.

## **2.4 Environmental Setting**

A Phase I ESA was completed for the Site on July 25, 2016 by Waterstone Environmental, Inc. The purpose of the Phase I ESA was to identify recognized environmental conditions (RECs) to assist in the evaluation of historical land use, assess potential environmental impacts on- and off-Site, and determine if any potential environmental impacts may pose a threat to on-Site occupants, off-Site individuals and the environment. No other environmental investigations for the School property were located during the Phase I ESA. Information pertaining to the Site as determined by the Phase I ESA is summarized below.

### **2.4.1 School Property**

The school Site was developed in 1962 with several buildings and athletic fields. The adjacent properties include residential properties to the north, the Tujunga Wash and Greenbelt to the east along with residential properties, athletic playfields and a stadium for the Los Angeles Valley College to the south, and the Los Angeles Valley College campus to the west. During the Phase I Assessment, the following observations were made:

- hazardous chemicals were observed at the property in the custodial/utility building including fuel, paint, film developing liquids, universal wastes, cleaning supplies, and expired chemicals awaiting disposal,
- Small volumes of chemicals for instructional use are stored between classrooms in Building 100,
- The school serves as a local fueling location for nearby schools. Three 55-

gallon drums of gasoline are stored on concrete without secondary containment. Minor staining was observed on the concrete floor,

- PCB-containing light ballasts removed from the school are stored in the custodial building awaiting disposal,
- An inactive paint spray booth was observed in Room 502 of the Industrial Arts building,
- Small amounts of pesticides, herbicides, and/or fertilizers may be present in the classroom and greenhouse associated with the agricultural area in the northwestern corner of the Site,
- Two three-stage clarifiers were observed at the Site. One is located outside Room 300 and is associated with the arts classroom, and one is located outside Room 108 and is associated with the science classroom. One subsurface vault was observed in the boiler room but is believed to be no longer in use,
- Auto hoists are believed to be located in the auto shop, and
- Approximately 20 transformers are located throughout the school.

#### **2.4.2 Site Redevelopment**

LAUSD is proposing the following on approximately 10 acres within the School property (which are the subject of the Assessment):

- Remove the existing Library building, Administration building, Arts building, Agricultural classroom building and auxiliary structures, 27 relocatable classrooms, School Site Maintenance and Operations (M&O) Building, and two Industrial Arts Buildings,
- Construct a new Library, Administration and School Site M&O buildings, and approximately 40 classrooms and support spaces in permanent buildings,
- Seismically retrofit the Gymnasium, multi-purpose building and Classroom buildings (#100 and #200). Complete Infrastructure improvements for electrical, HVAC, and fire alarm, and
- Site wide infrastructure improvements including sanitary sewer, water, and electrical utilities. Site wide upgrades to remove identified and prioritized barriers to program accessibility. Upgrade landscaping, and hardscape in Agricultural area.

#### **2.5 Discussion of Phase I ESA Items**

The following RECs were identified during this assessment:

- Due to the original construction dates of the Site buildings (early 1960s), it is possible that lead-based paint was used during the construction or maintenance of the buildings. The buildings are primarily clad with brick, but portions of the outside façade include painted surfaces. It is considered likely that the paint on the buildings contains or formerly contained elevated lead concentrations. Due to

its slow deterioration with time, the paint typically flakes off and accumulates in the adjoining soils. This can result in elevated lead concentrations in the soil adjoining older buildings.

- Due to the original construction dates of the Site buildings (early 1960s), it is possible that OCPs were applied to soil surrounding the foundations of buildings constructed from wood for termite control.
- Due to the historical use of the Site as agricultural fields prior to construction of the school, it is possible that OCPs were applied to the historical orchards for weed and pest control.
- Arsenic in soil underneath asphaltic concrete (AC) pavement may be present due to LAUSD's former standard practice of applying herbicides containing this metal prior to paving.
- Three 55-gallon drums of gasoline are stored in the custodial/utility building on the Site. The drums are stored on a concrete floor in good condition with no secondary containment. The Site received a Notice to Comply dated 5/29/2014 from the Fire Department to clean and maintain the gasoline storage room following observations of accumulated gasoline residue on the shelves and floor.
- Two three-stage clarifiers were observed at the Site. One is located outside Room 300 and is associated with the arts classrooms, and one is located outside Room 108 and is associated with the science classrooms. It was not confirmed how often the clarifiers are cleaned, but clarifier sludge was noted as a waste in the Unified Program documents from the Fire Department files.
- Auto hoists which were installed during two separate time frames were historically located in the auto shop. It is believed that the auto hoists are no longer present, but the auto shop was not accessible during the inspection and no documentation was available to indicate that the hoists had been removed and/or the area has been sampled.

### **3.0 SAMPLING ACTIVITIES**

The PEA-E field sampling activities presented herein were conducted on December 21, 22 and 23, 2016. Step-out samples were collected on January 16, 2017 and again on February 11, 2017. The sampling objective was to assess chemicals of potential concern (COPCs) identified for shallow soil and soil vapor at the Site. The COPCs include lead, arsenic, organochlorine pesticides (OCPs), petroleum hydrocarbons, volatile organic compounds (VOCs), and Polychlorinated biphenyls (PCBs). The sampling consisted of the collection of select at-depth soil and soil vapor samples to screen shallow soil and soil vapor for COPCs. Field observations of the soil samples did not provide any indications of staining and/or odors.

#### **3.1 Objectives**

The objectives of the assessment were to:

- Assess shallow soil for potential environmental concerns identified in the Phase I ESA for the Site,
- Evaluate the presence of lead-based paint in planned construction areas by

sampling exposed soil,

- Evaluate the presence of arsenic beneath asphalt in planned construction areas by sampling beneath the asphalt,
- Evaluate the presence of OCPs across the Site,
- Evaluate the presence of PCBs across the Site,
- Evaluate the overall Site health risk based on soil analytical screening results,
- Evaluate the overall Site health risk based on soil vapor screening results,
- Evaluate the presence of VOCs in the soil and soil gas in the gasoline storage area and where clarifiers were identified, and
- Confirm hydraulic hoist locations in the auto shop and evaluate the presence of hydraulic fluids, TPH, and/or PCBs

### **3.2 Utility Clearance**

Prior to conducting intrusive Site activities, Spectrum Geophysical conducted a geophysical survey of the Site to locate detectable utilities and subsurface anomalies. The locations of the utilities were marked and boring locations were adjusted based on these results.

### **3.3 Health and Safety Plan**

A Site-specific health and safety plan (HASP) was prepared for the field activities. The HASP addressed issues regarding chemical exposure, personal protective equipment (PPE), physical and biological hazards that might be expected at the Site, emergency response plan, and route to the nearest hospital. Site personnel engaged in field activities were required to conduct daily tailgate safety meetings acknowledging the potential health concerns in this plan. Subcontractors were responsible for their own HASP during field activities.

### **3.4 Field Observations**

During sampling activities, the presence of the two in-ground hydraulic hoists inside of the auto shop building was visually confirmed and a third hoist was discovered outside the building. There was no evidence of any surficial staining in the vicinity of the hoists. An additional three-stage clarifier was identified outside of the auto shop building under the adjacent canopy. No surficial staining was observed in the vicinity of the clarifier.

### **3.5 Field Procedures**

Collection of environmental samples of high integrity is important to the quality of chemical data to be generated. To this end, strict field procedures have been developed. General descriptions of field methods that were employed at various locations during various phases of the field investigation are described below.

### 3.5.1 Sample Collection and Analysis

Soil borings were advanced by CES Group personnel using hand-auger tools. Asphalt or concrete pavement was cored by Excell Excavating prior to advancing the borings. Shallow borings were advanced to a maximum total depth of 2.5 feet below ground surface (bgs). Soil samples were collected at 0.5 feet, 1.5 feet, and 2.5 feet bgs. All field work was overseen by a California Professional Engineer.

Specific soil sampling approaches are outlined below:

- Discrete soil samples were obtained from 0.5 feet, 1.5 feet, and 2.5 feet bgs depths from each boring. The shallow soil samples were initially analyzed by the laboratory and the remaining samples were held pending the analytical results. Deeper samples were analyzed if warranted based on shallow results. Soil samples were collected in laboratory supplied 8-ounce glass jars or other appropriate containers for the analysis.
- Select soil samples were analyzed for lead, arsenic, PCBs, OCPs, TPH, or VOCs based on the location of the boring. Tables 1 and 2 below shows the sample IDs and the analysis that each sample was submitted for. Soil analytical results are shown in Tables 3 through 7.
- Step-out samples were collected in areas where the sampling results exceeded the screening levels. Step-out samples were collected in the area of boring S8 for lead due to the concentration exceeding 80 mg/kg. Step-out samples were collected from locations surrounding the nearby buildings where soil was exposed until the area was considered defined in all directions.
- Field duplicate samples were collected during the PEA-E sampling activities at an approximate ratio of one duplicate sample for every 10 original samples. The duplicate sample was collected immediately after the original sample. Due to the heterogeneity of the soil matrix the results for duplicate samples may vary from the results of the original sample. The duplicate samples were analyzed for the same parameters as the original samples collected from the same boring and similar interval.

Soil vapor samples were collected from four locations at two depths. The soil vapor sample locations were adjacent to each of the clarifiers, the gasoline storage area, and adjacent to the clarifier identified near the auto shop. The following sampling procedures were utilized:

- The soil vapor sampling strategy for VOCs followed the guidance outlined in the Department of Toxic Substances Control (DTSC) and Regional Water Quality Control Board (RWQCB) (2015) Advisory – Active Soil Gas Investigations guidance document. Soil vapor analytical results are shown in Table 8.
- Soil vapor samples were collected using a 1 to 2-inch diameter sample probe equipped with an expendable steel drive point to a depth of 5 and 10 feet below ground surface (bgs). Once at depth, the probe was extracted slightly, opening the sampling tip and exposing the sampling ports. A ¼ or ⅛ inch diameter nylon tube was run through the center of this probe to ground surface



where it attached to the collection device. Hydrated bentonite was placed around the probe at ground surface to inhibit surface air infiltration. The system was allowed to equilibrate for 20 to 30 minutes. Three purge volumes were used. Tracer gas procedures were then applied for potential leak detection. A soil vapor sample was collected at a nominal 0.2 liter/min rate through a flow restrictor into a 0.40 liter Summa Cylinder.

- During soil gas sampling, a tracer gas was used on sampling equipment connections and at ground surface where sample tubes enter. The tracer substance was soaked into a paper towel and placed in a small dish. The dish was placed under a plastic sheet that covered the soil gas sampling point, all tubing connections, and the sample collection cylinder. A minimum vacuum in the sample collection cylinder of 5 inches of mercury was maintained after sampling.

Table 1: Sample Locations, Sample Depths, and Chemical Analyses

Area of Concern	Boring IDs	Soil Sampling Depths (ft, bgs)	Chemical Analysis
Gasoline Storage Area	S1	2.5', 5', 10'	TPH(g,d,o) (8015B) VOCs (8260B)
Clarifiers	S2, S3	5', 10'	VOCs (8260B) Title 22 Metals (6010B/7471A)
Agricultural fields	S4	Surface (0.5')	OCPs by EPA Method 8081A.
		1.5', 2.5'	Archive
Historical lead-based paint or termicide usage on buildings/portables to be removed	S5 through S58, S50, S65 and S66	Surface (0.5')	OCPs (8081A) (Composite) Lead (6010B)
		1.5', 2.5'	Archive
Historical arsenic herbicide usage below paved areas	S5 through S57 and S65 (odd sample numbers only)	Surface (0.5')	Arsenic (6020)
		1.5', 2.5'	Archive
Historic Auto Shop Auto Hoist Area and Clarifier	S59 through S64 and S50	5', 10'	TPH (d,o) (8015B) Title 22 Metals (6010B/7471A) PCBs (8082)

Table 2  
Soil Vapor Sampling and Analysis Summary Table  
Ulysses S. Grant High School  
Los Angeles, CA

Area of Concern	Boring IDs	Soil Sampling Depths	Chemical Analysis
Gasoline Storage Area	SG-1	5', 10'	VOCs (8260B)
Clarifiers	SG-2	5', 10'	VOCs (8260B)

	SG-3	5', 10'	VOCs (8260B)
Historic Auto Shop and Clarifier	SG-4	5', 10'	VOCs (8260B)

All samples were sent to a State of California certified environmental laboratory. Soil samples were analyzed for the following compounds:

- Arsenic by EPA Method 6020,
- Lead by EPA Method 6010B,
- OCPs by EPA Method 8081A,
- PCBs by EPA Method 8082,
- VOCs by EPA Method 8260B,
- TPH by EPA Method 8015M,
- Mercury by EPA Method 7471A

Soil vapor samples were analyzed for the following compounds:

- VOCs by EPA Method 8260B/TO-15

### **3.5.2 Sample Handling and Storage**

In the field, each sample container was marked with their unique sampling location number, date and time of sample collection. Each of the sample containers were wiped with clean paper towels, sealed in a plastic bag, and securely packed and preserved in a cooler on ice, in preparation for delivery to the laboratory.

### **3.5.3 Sample Custody**

An entry was made on a chain-of-custody form supplied by the laboratory for each sample that was submitted to the laboratory for analysis. The information recorded included the sampling date and time, sample identification number, matrix type, requested analyses and methods, preservatives, and the sampler's name. Sampling team members maintained custody of the samples until they were relinquished to laboratory personnel. The cooler was appropriately sealed before it was relinquished to laboratory personnel. The chain-of-custody form accompanied the samples from the time of collection until received by the laboratory. Each party in possession of the samples signed the chain-of-custody form signifying receipt.

Collected soil samples were transported using standard chain-of-custody protocol to Enthalpy Analytical Inc. in Orange, California, a California-certified laboratory. Upon receipt, the laboratory inspected the condition of the sample containers and reported the information on chain-of-custody or similar form.

A copy of the original completed chain-of-custody form was provided by the laboratory along with the report of results. Appendix A contains copies of the laboratory analytical reports.

### **3.5.4 Equipment Decontamination**

Any equipment that came into contact with potentially contaminated soil or water was

decontaminated consistently to assure the quality of samples collected. Disposable equipment intended for one-time use was not decontaminated, but was packaged for appropriate disposal. Decontamination occurred prior to and after each use of a reusable piece of equipment. The sampling devices used (e.g., hand auger) were decontaminated using the following triple rinse procedures:

- Non-phosphate detergent and tap water scrub, using a brush if necessary;
- Tap water rinse; and
- Final deionized/distilled water rinse.

### **3.6 Laboratory Quality Control**

The laboratory data package provided includes quality control sample results for blanks, matrix spike/matrix spike duplicates, surrogate recoveries, and laboratory control samples/laboratory control sample duplicates, as specified by the method. The laboratory also provided narrative stating whether quality control guidelines were met and listed discrepancies and laboratory data qualifiers. The laboratory reports containing the quality control results are included in Appendix A.

### **3.7 Abandonment of Soil Borings**

Upon completion of sampling, all soil borings were backfilled with clean soil and compacted. Boring locations were resurfaced with concrete dyed black or cold patch asphalt to match existing asphalt hardscape, as applicable.

### **3.8 Investigation Derived Waste Management**

In the process of collecting environmental samples during the PEA-E activities, different types of potentially contaminated Investigation Derived Waste (IDW) were generated that included used PPE, disposable sampling equipment, excess soil cuttings, and decontamination fluids.

Listed below are the procedures that were followed for handling the IDW:

- Used PPE and disposable equipment were double bagged and placed in a municipal refuse dumpster. These wastes are not considered hazardous and could be sent to a municipal landfill.
- Remaining soil cuttings (not used as backfill) and decontamination wastewater were placed in US Department of Transportation (DOT)-approved 55-gallon drums. The drums were labeled and sealed, pending receipt of analytical results, waste profiling and off-Site disposal.

Three 55-gallon drums containing IDW were generated during the PEA-E. Two 55-gallon drums contained excess soil cuttings from the hand-auger borings while the third drum contained sample equipment decontamination water. Grab samples were collected directly from the 55-gallon drums containing IDW after the completion of the soil borings. IDW samples were analyzed for the following compounds:

- California Code of Regulations (CCR) Title 22 Code of Administrative Manual (CAM) 17 metals (CAM 17 metals) by EPA Method 6010B/7471A,
- OCPs by EPA Method 8081A, and
- Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Oil Range Organics (ORO) by EPA Method 8015B.
- VOCs by EPA Method 8260B

The PEA-E and IDW sample results indicate that the IDW is classified as non-hazardous waste. The three drums were transported to Soil Safe in Adelanto, California for disposal. Appendix B provides waste disposal documentation.

## **4.0 RESULTS**

The observed soil was generally poorly graded sand and silty sand. The soil was brown in color with no chemical odor and no visible signs of staining. Groundwater was not encountered in any of the boreholes during the sampling activities. Duplicate samples showed similar results to the original samples. Field procedures were conducted in compliance with the above procedures. Laboratory procedures were in compliance with the method requirements, including acceptable reporting limits, laboratory selection, and laboratory reporting of quality control information. All borings were installed as planned except for borings S43 and S46, which were not sampled due to physical restrictions. Acceptable sensitivity was achieved by selecting analytical methods with reporting limits suitable for comparison with action levels. Overall, the dataset is of acceptable quality. As such, the data set is considered acceptable for use in assessing human health risk at the Site. The following section provides the sample analytical results. Tables showing screening values that were used as points of comparison for the analytical results are also included.

Soil samples were collected from a total of 64 boring locations during the initial soil sampling. Three samples were identified as having elevated concentrations above the trigger level value of 50 mg/kg for lead. Two of these samples (borings S8 and S9) exceeded the LAUSD guideline for additional sampling of 80 mg/kg with values of 335 and 106 mg/kg, therefore step-out borings were necessary. None of the arsenic concentrations exceeded screening levels in the initial samples screened although one of the step-out locations (boring S69) showed elevated arsenic concentrations.

Step-out borings were completed adjacent to borings S8 and S9 in areas where exposed soil was present. Areas with concrete cover were not sampled during step-out sampling.

### **4.1 Soil Analytical Results**

In summary, the soil matrix analytical results indicate the following:

- OCPs were detected in low levels in 29 of the samples that were analyzed. The sample from boring S9 showed the highest concentration of OCPs at 0.450 mg/kg Chlordane. All OCP concentrations were below the EPA Region 9 Regional Screening Levels (RSLs).

- Lead was detected at concentrations below the EPA Region 9 Regional Screening Level (RSL) of 400 mg/kg (RSL for soil considering residential land use) (EPA, 2015) and below the DTSC-modified screening level of 80 mg/kg (screening level for use in human health risk assessments) (DTSC, 2016) in all soil samples analyzed except borings S8, S9, and step-out sample borings S68 and S73. Lead was detected at 335 mg/kg in S8-0.5' and 106 mg/kg in S9-0.5'. The deeper samples from boring S8 were below screening levels. The deeper samples from boring S9 showed elevated lead concentrations above 50 mg/kg but below 80 mg/kg. The soluble threshold limit concentration (STLC) for boring S9 was above California-hazardous levels.
  - The results from step-out borings in the vicinity of borings S8 and S9 indicated that concentrations exceeded the DTSC-modified screening level of 80 mg/kg at borings S68 and S73 at a depth of six inches. The step-out results from borings S68 and S73 were 126 mg/kg and 110 mg/kg, respectively. The deeper samples from borings S68 and S73 were below screening levels. The soil at sample S68-05' exceeded the California-hazardous waste levels based on the STLC result. None of the step-out samples exceeded the EPA Region 9 RSL of 400 mg/kg.
- Arsenic concentrations did not exceed the DTSC-adopted background arsenic concentration of 12 mg/kg (DTSC, 2008) in any of the samples that were analyzed with the initial sampling.
  - Arsenic concentrations exceeded 12 mg/kg in the step-out sample from boring S69 at a maximum concentration of 22.9 mg/kg at 2.5 feet.
- PCB concentrations were not detected above the method reporting limit in any of the samples that were analyzed.
- Total petroleum hydrocarbons were detected at low levels in the six samples collected from the area of the auto hoists and boring S1 located outside of the hazardous waste storage area. The maximum concentration was 21 mg/kg TPH C28-C40 (oil range) from boring S1 at a depth of 10 feet.
- VOCs were detected at low levels in each of the four samples that were analyzed for borings (S1-S4) located adjacent to the two clarifiers, hazardous waste storage, and auto hoist area. The maximum benzene concentration was 1.7 ug/kg.

Soil analytical results are shown in Tables 3 through 7.

#### **4.2 Soil Vapor Analytical Results**

In summary, the soil vapor matrix analytical results indicate the following:

- Soil vapor concentrations indicated low level VOCs in each of the four locations and eight samples analyzed. All sample results were below the California Human Health Screening Levels (CHHSLs) for shallow soil gas in residential scenarios.

Soil vapor analytical results are shown in Table 8.

## **5.0 HUMAN HEALTH SCREENING EVALUATION**

### *Soil*

The concentrations of OCPs detected were below published regulatory screening levels. Lead was detected above 80 mg/kg at four soil sample locations from borings (S8, S9, S68, and S73) at a maximum concentration of 335 mg/kg. The STLC value from boring S9 at 0.5 feet and 2.5 feet and from boring S68 indicate that the soil in this area is designated as California-regulated hazardous waste soil. Arsenic was detected above the DTSC-adopted background arsenic concentration for Southern California of 12 mg/kg (DTSC, 2008) in step-out boring S69. PCBs were not detected above the method reporting limit in any of the samples that were analyzed. Petroleum hydrocarbons and VOCs were detected in low concentrations. Soil vapor concentrations indicated low level VOCs.

The Site has been defined for both arsenic and lead. Upon the removal of the lead- and arsenic-impacted soil during Housekeeping Action described in this report, the remaining soil represents soil that is below detection or regulatory screening levels. The human health risk after soil removal will be typical of a similar school Site operation in the State of California for these constituents.

### *Soil Vapor*

The soil vapor analytical results indicate that all sample results were below the CHHSL value for shallow soil gas in residential scenarios. The human health risk will be typical of a similar school Site operation in the State of California for these constituents.

## **6.0 COMMUNITY PROFILE**

### **6.1 Community Demographics**

A brief summary of the community demographics for the zip code 91401 in Los Angeles County according to the 2010 US Census ([factfinder.census.gov](http://factfinder.census.gov)) is as follows:

Total population: 39,285

Male: 19,613

Female: 19,672

Median Age: 36.0

Population 18 years and over: 30,572

Total housing units: 15,289

Average household size: 2.70

Population by race:       White: 25,645

                                  Hispanic or Latino: 16,675

Asian: 2,135

Black or African American: 1,864

## **6.2 Local Participation and Involvement**

A fact sheet, in the form of a flyer, was produced in English and Spanish (double-sided flyer) to provide members of the community with details regarding the PEA-E investigation including who would perform the work, project schedule, when and where the results of the investigation would be posted, and who to contact regarding additional information. This work notice flyer was handed out to all high school staff, mailed to all parents of students, was distributed to all residences within 500 feet of the school Site, and was handed out to all line-of-sight properties, and posted along the boundary fence of the school property.

No specific environmental concerns or issues have been brought to the District's attention regarding the onsite activities at this time. In terms of project visibility, the onsite work took place during a school shut down (weekends and holiday break) to minimize any interference with school activities. Line-of-site neighbors, school staff, parents and interested community members were given copies of the work notice flyer. As of the writing of this report, CES Group is unaware of environmental concerns or issues with relation to neighboring sites.

## **7.0 OPINION OF ENVIRONMENTAL PROFESSIONAL**

Based on the PEA-E sampling results, all areas of impact have been identified and adequately characterized and defined both laterally and vertically. CES Group concluded that soil removal was necessary in the vicinity of borings S8, S9, S67, S68, S69, and S73 to remove the lead- and arsenic-impacted soil from the Site. LAUSD concurred and approved the soil removal as part of a Housekeeping Action. Removal of the impacted soil will bring the Site to a level where no further action can be warranted.

## **8.0 LIMITED SOIL EXCAVATION – HOUSEKEEPING ACTION**

Based on the PEA-E sampling results, limited soil excavation was performed to remove the impacted soil from the Site as part of a Housekeeping Action. The areas surrounding Borings S8, S9, S67, S68, S69, and S73 were determined to be areas where the soil was impacted by lead and were therefore slated for excavation and removal. Arsenic exceeded the DTSC-adopted background arsenic concentration of 12 mg/kg in one boring (S69). Confirmation sampling was conducted to verify that the extent of the impacted soil had been removed from the Site. The excavation was conducted by hand using shovels due to the proximity to the building and the presence of trees and utilities. The excavated soil was placed on visqueen in the parking lot area and covered with visqueen pending removal from the Site. Temporary fencing was placed around the stockpile and excavation areas to limit unauthorized contact with the stockpile and entry to the work areas.

Soil samples were collected from the sides and bottom of the completed excavation area to confirm that the extent of impacted soil was removed. A total of 35 samples were

collected in glass jars for lead analysis using EPA Method 6010B. In areas where the lead concentration exceeded the DTSC School Screening Level of 80 mg/kg, additional excavation was conducted and additional samples were collected to confirm that the edge of the impacted soil had been reached. Additional stepout samples were collected on four dates after additional excavation occurred. Fifteen samples were collected on July 13, nine samples were collected on July 21, four samples were collected on July 26, four samples were collected on July 31, and three samples were collected on August 4. The sample with the highest concentration was analyzed for its soluble threshold limit concentration (STLC) based on a lead result of 274 mg/kg. This sample was also analyzed for its Toxicity Characteristic Leaching Potential (TCLP). The analytical results are shown in Table 9.

The analytical results from the soil samples were compared to the Total Threshold Limit Concentration (TTLC) and 10 times the Soluble Threshold Limit Concentration (STLC) for hazardous (Cal-hazardous) classification in California. In addition, the analytical results were compared to the 20 times the Toxicity Characteristic Leaching Procedure (TCLP) criteria for federal or Resource Conservation and Recovery Act (RCRA) waste classification. Lead concentrations were subsequently below the TCLP criteria but above the STLC criteria. Therefore, the excavated soil was characterized as California-hazardous (non-RCRA hazardous) material and was transported to South Yuma County Landfill (Appendix B).

A total of 22.57 tons of soil was removed from the Site on August 9, 2017 by Excell Excavating. All excavation areas were backfilled with certified clean soil from Hanson Aggregate.

## **9.0 CONCLUSIONS AND RECOMMENDATIONS**

The primary objectives of this PEA-E were to assess shallow soil and soil vapor for potential environmental concerns identified in the Phase I ESA for the Site; and to evaluate the overall Site health risk based on soil analytical screening results for COPCs (lead, arsenic, OCPs, PCBs, TPH, and VOCs).

The soil analytical results indicate that OCPs detected in all 29 of the soil samples that were analyzed were below Regional Screening Levels. Lead was detected above the DTSC-modified screening level of 80 mg/kg in two original soil borings (S8 and S9) and two step-out boring locations (S68 and S73). The STLC for boring locations S9 and S68 indicated that the soil in these areas is California-regulated hazardous waste. Arsenic exceeded the DTSC-adopted background arsenic concentration of 12 mg/kg in one boring (S69). Additional soil samples were collected to determine excavation limits. PCBs were not detected above the method reporting limit in any of the samples that were analyzed. Low-level petroleum hydrocarbons (oil range) were detected in the samples collected from the clarifiers, the hazardous waste storage area, and the auto hoist area. The concentrations were low and consistent at all depths. Low-level VOCs, below Regional Screening Levels, were identified in the samples collected from the clarifier area. All VOC concentrations were below Regional Screening Levels. Based on soil analytical results and step-out sampling results, the area is delineated and the extent of impacted soil was determined.



Soil vapor concentrations indicated low level VOCs in each of the four locations and eight samples analyzed. All sample results were below the California Human Health Screening Levels for shallow soil gas in residential scenarios were below CHHSLs in all samples.

Based on the analytical results and comparisons with the screening levels, CES Group recommended that soil removal as part of a Housekeeping Action was necessary in the area of borings S8, S9, S68, S69, and S73 to remove the lead- and arsenic-impacted soil to a depth of 1-3 feet from the Site. LAUSD concurred and approved the removal of lead- and arsenic-impacted soil as part of a Housekeeping Action. Additional soil samples were collected to determine excavation limits. The analytical results from the soil samples were compared to the TTLC and 10 times the STLC for hazardous (Cal-hazardous) classification in California. In addition, the analytical results were compared to the 20 times the TCLP criteria for federal or RCRA waste classification. Lead concentrations were subsequently below the TCLP criteria but above the STLC criteria. Based on this criteria, the excavated soil was characterized as California-hazardous (non-RCRA hazardous) material and was transported to South Yuma County Landfill (Appendix B). A total of 22.57 tons of impacted soil was removed from the Site on August 9, 2017 by Excell Excavating. All excavation areas were backfilled with certified clean soil from Hanson Aggregate.

## **10.0 LIMITATIONS**

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. Opinions, conclusions, and recommendations contained in this report apply to conditions existing when the services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. Where subsurface exploratory work, monitoring, and/or testing was performed, our professional opinions and conclusions are based in part on interpretation of data from discrete sampling or measurement locations that may not represent actual conditions at unsampled or un-measured locations. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of the services. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when the services were performed. We do not warranty the accuracy of information supplied by others, or the use of segregated portions of this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. CES Group should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

CES Group's professional opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analyses data. Further assessment of potential adverse environmental impacts from past on-Site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the

observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between and beyond the sampling locations. Variations in soil conditions likely exist beyond the points explored in this assessment and related excavation.

## **11.0 REFERENCES**

CalEPA, DTSC, LARWQCB, SFRWQCB, 2015, *Advisory Active Soil Gas Investigations*, July 2015.

Department of Toxic Substances Control, 2004, *Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*, 2004

LAUSD, Section 01 4524 Environmental Import/Export Materials Testing, 2011.

USEPA, 2005, *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties*, January 2005.

USEPA, 2010, Regional Screening Level Summary Table

Waterstone Environmental, Inc., *Phase I Environmental Assessment Report*, July 25, 2016.

Table 3  
Soil Analytical Results - Lead and Arsenic  
Grant High School

SAMPLE LOCATION	Date	6010B	6020	Lead	Lead	SAMPLE LOCATION	Date	6010B	6020	SAMPLE LOCATION	Date	6010B	6020	Lead
		Lead (mg/kg)	Arsenic (mg/kg)	STLC (mg/L)	TCLP (mg/L)			Lead (mg/kg)	Arsenic (mg/kg)			Lead (mg/kg)	Arsenic (mg/kg)	STLC (mg/L)
S4-0.5'	12/23/2016	NA	NA	NA	NA	S20-0.5'	12/23/2016	12.7	NA	S40-0.5'	12/21/2016	16.6	NA	NA
S5-0.5'	12/23/2016	16.7	6.76	NA	NA	S20DUP-0.5'	12/23/2016	9.46	NA	S41-0.5'	12/21/2016	13.8	7.05	NA
S6-0.5'	12/23/2016	44.6	NA	NA	NA	S21-0.5'	12/23/2016	27.5	2.37J	S42-0.5'	12/21/2016	45.4	NA	NA
S7-0.5'	12/23/2016	42.0	6.96	NA	NA	S22-0.5'	12/23/2016	16.9	NA	S44-0.5'	12/21/2016	5.62	NA	NA
S7-0.5' Dup	12/23/2016	38.9	5.79	NA	NA	S23-0.5'	12/23/2016	6.71	1.852J	S45-0.5'	12/21/2016	6.45	NA	NA
S8-0.5'	12/23/2016	335	NA	41.3	0.681	S24-0.5'	12/23/2016	17.8	NA	S47-0.5'	12/21/2016	56.6	NA	2.86
S8-1.5'	12/23/2016	6.18	NA	NA	NA	S25-0.5'	12/23/2016	27.1	1.868J	S47-1.5'	12/21/2016	8.20	NA	NA
S9-0.5'	12/23/2016	106	10.7	6.06	0.032J	S26-0.5'	12/23/2016	5.48	NA	S48-0.5'	12/21/2016	32.9	NA	NA
S9-1.5'	12/23/2016	65.5	NA	2.88	NA	S27-0.5'	12/23/2016	14.2	3.14	S49-0.5'	12/21/2016	11.9	NA	NA
S9-2.5'	12/23/2016	62.0	NA	7.40	ND	S28-0.5'	12/23/2016	10.6	NA	S50/SG4-0.5'	12/21/2016	0.74	NA	NA
S10-0.5'	12/23/2016	49.8	NA	NA	NA	S29-0.5'	12/23/2016	6.82	2.99J	S51-0.5'	12/21/2016	8.91	NA	NA
S11-0.5'	12/23/2016	14.2	3.39	NA	NA	S30-0.5'	12/23/2016	12.5	NA	S52-0.5'	12/23/2016	5.22	NA	NA
S12-0.5'	12/23/2016	1.72	NA	NA	NA	S31-0.5'	12/23/2016	12.1	2.75J	S53-0.5'	12/21/2016	31.0	NA	NA
S13-0.5'	12/23/2016	3.69	1.393J	NA	NA	S32-0.5'	12/23/2016	10.4	NA	S53DUP-0.5'	12/21/2016	27.9	NA	NA
S14-0.5'	12/23/2016	6.38	NA	NA	NA	S33-0.5'	12/23/2016	9.46	3.00	S54-0.5'	12/21/2016	30.4	NA	NA
S15-0.5'	12/23/2016	1.38	3.14	NA	NA	S34-0.5'	12/21/2016	0.93	NA	S55-0.5'	12/23/2016	2.31	5.44	NA
S16-0.5'	12/23/2016	13.1	NA	NA	NA	S35-0.5'	12/21/2016	5.78	NA	S56-0.5'	12/21/2016	25.1	NA	NA
S17-0.5'	12/23/2016	11.2	5.06	NA	NA	S36-0.5'	12/21/2016	13.4	NA	S57-0.5'	12/21/2016	10.1	NA	NA
S17DUP-0.5'	12/23/2016	10.9	7.04	NA	NA	S37-0.5'	12/21/2016	ND	6.25	S58-0.5'	12/21/2016	28.9	NA	NA
S18-0.5'	12/23/2016	32.1	NA	NA	NA	S38-0.5'	12/21/2016	21.1	NA	S65-0.5'	12/23/2016	3.34	2.69J	NA
S19-0.5'	12/23/2016	15.6	1.999J	NA	NA	S39-0.5'	12/21/2016	3.18	1.439J	S66-0.5'	12/23/2016	27.4	NA	NA

Table 3  
Soil Analytical Results - Lead and Arsenic  
Grant High School

SAMPLE LOCATION	Date	6010B Lead (mg/kg)	6020 Arsenic (mg/kg)	Lead STLC (mg/L)	Lead TCLP (mg/L)	SAMPLE LOCATION	Date	6010B Lead (mg/kg)	6020 Arsenic (mg/kg)	SAMPLE LOCATION	Date	6010B Lead (mg/kg)	6020 Arsenic (mg/kg)	Lead STLC (mg/L)
Step Out Borings														
S67-0.5'	1/16/2017	50.2	5.04	3.02	NA	S69-1.5'	1/16/2017	27.5	12.8	S72-0.5'D	2/11/2017	32.6	NA	NA
S67-1.5'	1/16/2017	39.1	NA	NA	NA	S69-2.5'	1/16/2017	NA	22.9	S73-0.5'	2/11/2017	110	NA	4.15
S68-0.5'	1/16/2017	126	5.79	7.44	0.061	S70-0.5'	1/16/2017	22.0	5.06	S73-0.5'	2/11/2017	TCLP = 0.314		
S68-1.5'	1/16/2017	10.9	NA	NA	NA	S71-0.5'	2/11/2017	21.6	6.38	S73-1.5'	2/11/2017	16.0	NA	NA
S69-0.5'	1/16/2017	54.4	20.0	2.97	NA	S72-0.5'	2/11/2017	10.6	NA	S74-0.5'	2/11/2017	43.1	NA	NA
Hazardous Waste Levels	1,000	500	5	5	--	--	--	1,000	500	--	--	1,000	500	5
Trigger Value (10xSTLC)	50	50	--	--	--	--	--	50	50	--	--	50	50	--
CHHSLs Residential Soil	150	0.07	--	--	--	--	--	150	0.07	--	--	150	0.07	--
CHHSLs Industrial Soil	3,500	0.24	--	--	--	--	--	3,500	0.24	--	--	3,500	0.24	--

Notes:

mg/kg = milligrams per kilogram

NA = not analyzed

STLC = soluble threshold limit concentration

TCLP = Toxicity characteristic leaching potential

Table 4  
Soil Analytical Results - VOCs, TPH, and Mercury  
Grant High School

SAMPLE LOCATION	Date	VOCs 8260B						7471A	8015M	8015M	8015M
		Acetone (ug/kg)	Benzene (ug/kg)	Bromo- methane (ug/kg)	Dichloro- diflouro- methane (ug/kg)	MEK (ug/kg)	toluene (ug/kg)	Mercury (mg/kg)	TPH C8- C10 (mg/kg)	TPH C10- C28 (mg/kg)	TPH C28- C40 (mg/kg)
S1/SG1-2.5'	12/22/2016	13J	1.7J	ND	2.7J	1.1J	0.43J	NA	ND	ND	15
S1/SG1-5'	12/22/2016	ND	0.76J	1.4J	13	ND	0.40J	NA	ND	ND	14
S1/SG1-10'	12/22/2016	ND	0.36J	ND	ND	ND	0.26J	ND	ND	ND	21
S2/SG2-5'	12/22/2016	ND	0.46J	ND	ND	ND	0.32J	ND	NA	NA	NA
S2/SG2-10'	12/22/2016	ND	0.59J	ND	ND	ND	0.26J	ND	NA	NA	NA
S3/SG3-5'	12/22/2016	16J	1.6J	ND	ND	1.1J	0.53J	ND	NA	NA	NA
S3/SG3-10'	12/22/2016	ND	0.44J	ND	ND	ND	0.28J	ND	NA	NA	NA
S50/SG4-5'	12/22/2016	ND	0.39J	ND	ND	ND	0.25J	ND	ND	ND	19
S50/SG4-10'	12/22/2016	ND	0.47J	ND	2.6J	ND	0.34J	ND	ND	ND	19
S59-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	20
S59-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	15
S60-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	14
S60-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	19
S61-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	19
S61-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	15
S62-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	17
S62-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	17
S63-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	16
S63-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	13
S64-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	12
S64-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	12

Notes:

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

NA = not analyzed

ND = not detected

Table 5  
Soil Analytical Results - Title 22 Metals  
Grant High School

SAMPLE LOCATION	Date	Title 22 Metals Method 6010B															
		Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molyb- denum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
S2/SG2-5'	12/22/2016	ND	1.10	97.0	ND	ND	8.85	6.71	8.53	ND	ND	4.82	ND	ND	ND	21.2	24.3
S2/SG2-10'	12/22/2016	ND	0.90J	66.9	ND	ND	7.60	5.72	6.31	ND	ND	3.68	ND	ND	ND	20.7	20.1
S3/SG3-5'	12/22/2016	ND	1.10	172	ND	0.50	19.7	14.1	19.8	0.90	ND	11.6	ND	ND	ND	41.2	47.4
S3/SG3-10'	12/22/2016	ND	0.82J	66.1	ND	ND	6.08	5.73	5.97	ND	ND	3.26	ND	ND	ND	18.7	18.3
S50/SG4-5'	12/22/2016	ND	1.60	174	ND	0.39J	17.3	13.2	19.0	0.40J	ND	10.4	1.53	ND	ND	36.8	51.5
S50/SG4-10'	12/22/2016	ND	1.25	87.4	ND	ND	9.76	7.53	8.43	ND	ND	4.62	ND	ND	ND	25.8	24.9
S59-5'	12/22/2016	ND	1.12	162	ND	0.49J	16.6	12.6	17.7	ND	ND	9.94	1.68	ND	ND	33.7	43.1
S59-10'	12/22/2016	ND	0.68J	77.7	ND	ND	6.67	6.04	6.59	ND	ND	3.80	ND	ND	ND	19.1	20.3
S60-5'	12/22/2016	ND	0.83J	180	ND	0.78	19.5	14.6	20.6	0.46J	ND	11.7	1.36	ND	ND	37.9	49.2
S60-10'	12/22/2016	ND	0.58J	62.5	ND	ND	5.99	7.34	6.76	ND	ND	3.92	ND	ND	ND	19.4	18.3
S61-5'	12/22/2016	ND	1.14	190	ND	0.49J	19.1	14.4	20.3	0.47J	ND	11.4	1.12	ND	ND	38.8	48.6
S61-10'	12/22/2016	ND	0.79J	90.2	ND	ND	6.51	5.16	5.27	0.75	ND	3.30	ND	ND	ND	18.1	18.6
S62-5'	12/22/2016	ND	0.61J	167	ND	0.57	18.7	13.8	18.3	ND	ND	10.7	ND	ND	ND	36.4	45.8
S62-10'	12/22/2016	ND	0.56J	49.7	ND	ND	5.25	4.18	7.28	ND	ND	2.55	ND	ND	ND	14.3	13.8
S63-5'	12/22/2016	ND	1.08	84.0	ND	ND	9.32	7.63	9.24	ND	ND	4.40	ND	ND	ND	23.2	25.0
S63-10'	12/22/2016	ND	0.98J	67.3	ND	ND	6.72	5.95	8.71	ND	ND	3.85	ND	ND	ND	20.2	19.2
S64-5'	12/22/2016	ND	0.97J	155	ND	0.48J	15.5	12.0	16.8	ND	ND	8.90	0.83J	ND	ND	33.9	38.3
S64-10'	12/22/2016	ND	0.55J	60.8	ND	ND	4.03	4.64	6.40	ND	ND	2.37	ND	ND	ND	14.7	16.0

Notes:

mg/kg = milligrams per kilogram

NA = not analyzed

ND = Not detected

Table 6  
Soil Analytical Results - OCPs  
Grant High School

SAMPLE LOCATION	Date	8081A Organochlorine Pesticides (OCPs)									
		4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Chlordane (mg/kg)	d-BHC (mg/kg)	Dieldrin (mg/kg)	Endrin (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Toxaphene (mg/kg)
S4-0.5'	12/23/2016	ND	0.003J	0.002J	0.024J	ND	0.001J	ND	ND	ND	ND
S5-0.5'	12/23/2016	ND	0.001J	0.001J	ND	ND	ND	ND	ND	ND	ND
S6-0.5'	12/23/2016	0.001J	0.001J	0.003J	ND	ND	ND	ND	0.001J	ND	ND
S7-0.5'	12/23/2016	0.003J	0.002J	0.002J	0.027J	ND	ND	ND	ND	ND	ND
S7-0.5' Dup	12/23/2016	0.006	0.005	0.003J	0.039J	ND	0.002J	ND	ND	0.001J	ND
S8-0.5'	12/23/2016	ND	0.003J	0.002J	0.026J	ND	ND	ND	ND	ND	ND
S9-0.5'	12/23/2016	ND	0.092	0.012J	0.450	ND	0.011J	ND	0.001J	0.003J	ND
S10-0.5'	12/23/2016	ND	0.029J	0.004J	0.036J	ND	0.003J	ND	ND	ND	ND
S11-0.5'	12/23/2016	0.007J	0.064J	ND	ND	ND	ND	ND	ND	ND	ND
S12-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S13-0.5'	12/23/2016	ND	0.001J	ND	ND	ND	ND	ND	ND	ND	ND
S14-0.5'	12/23/2016	ND	0.003J	0.001J	ND	ND	0.002J	ND	ND	ND	ND
S15-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S16-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S17-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S17DUP-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S18-0.5'	12/23/2016	ND	0.001J	0.001J	ND	ND	ND	ND	ND	ND	ND
S19-0.5'	12/23/2016	ND	0.002J	0.001J	ND	ND	ND	ND	ND	ND	ND
S20-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S20DUP-0.5'	12/23/2016	ND	0.007	0.005	ND	ND	ND	ND	ND	ND	ND
S21-0.5'	12/23/2016	ND	0.007J	0.002J	ND	ND	ND	ND	ND	ND	ND
S22-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S23-0.5'	12/23/2016	0.001J	0.002J	0.003J	ND	ND	ND	ND	ND	ND	ND

Table 6  
Soil Analytical Results - OCPs  
Grant High School

SAMPLE LOCATION	Date	8081A Organochlorine Pesticides (OCPs)									
		4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Chlordane (mg/kg)	d-BHC (mg/kg)	Dieldrin (mg/kg)	Endrin (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Toxaphene (mg/kg)
S24-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S25-0.5'	12/23/2016	ND	0.001J	0.001J	ND	ND	0.002J	ND	ND	ND	ND
S26-0.5'	12/23/2016	ND	ND	ND	ND	ND	0.007J	ND	ND	ND	ND
S27-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S28-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S29-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S30-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S31-0.5'	12/23/2016	ND	0.018J	ND	ND	ND	ND	ND	ND	ND	ND
S32-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S33-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S34-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S35-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S36-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18J
S37-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S38-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24J
S39-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S40-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S41-0.5'	12/21/2016	ND	0.00180J	ND	0.0350J	ND	ND	ND	ND	ND	ND
S42-0.5'	12/21/2016	ND	0.00094J	0.00230J	ND	ND	ND	ND	ND	ND	ND
S44-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S45-0.5'	12/21/2016	ND	0.002J	0.003J	ND	0.001J	0.01200J	ND	ND	0.001J	ND
S47-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Table 6  
Soil Analytical Results - OCPs  
Grant High School

SAMPLE LOCATION	Date	8081A Organochlorine Pesticides (OCPs)									
		4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Chlordane (mg/kg)	d-BHC (mg/kg)	Dieldrin (mg/kg)	Endrin (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Toxaphene (mg/kg)
S48-0.5'	12/21/2016	0.001J	ND	0.001J	ND	ND	ND	ND	ND	ND	ND
S49-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S50/SG4-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S51-0.5'	12/21/2016	ND	0.001J	ND	ND	ND	ND	ND	ND	ND	ND
S52-0.5'	12/23/2016	ND	0.004J	ND	ND	ND	ND	ND	ND	ND	ND
S53-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S53DUP-0.5'	12/21/2016	ND	0.001J	0.001J	ND	ND	ND	ND	ND	ND	ND
S54-0.5'	12/21/2016	0.078	0.04500J	0.008970J	0.0560J	ND	0.01300	ND	ND	0.00120J	0.028J
S55-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S56-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S57-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S58-0.5'	12/21/2016	ND	0.011	0.006	ND	ND	0.001J	ND	ND	ND	ND
S65-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S66-0.5'	12/23/2016	ND	0.002J	0.003J	0.036J	ND	0.002J	ND	ND	ND	ND
S67-0.5'	1/16/2017	0.0085	0.015	0.079	0.150	ND	ND	ND	ND	ND	ND
S68-0.5'	1/16/2017	ND	0.039	0.028	0.270	ND	0.020	ND	ND	0.0065	ND
S69-0.5'	1/16/2017	ND	0.019	0.0064	ND	ND	0.0029J	ND	ND	ND	ND
S70-0.5'	1/16/2017	0.016	0.010	0.0041J	0.093	ND	ND	ND	ND	ND	ND
EPA Regional Screening Level - Residential Soil		2.0	1.4	1.7	1.6	NA	0.03	18	0.11	0.053	0.44

Notes:  
mg/kg = milligrams per kilogram  
NA = not analyzed

Table 7  
Soil Analytical Results - PCBs  
Grant HS

SAMPLE LOCATION	Date	8082 Polychlorinated Biphenyls (PCBs)								
		PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)	PCB-1262 (mg/kg)	PCB-1268 (mg/kg)
S50/SG4-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S50/SG4-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S59-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S59-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S60-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S60-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S61-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S61-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S62-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S62-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S63-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S63-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S64-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S64-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
S70-0.5'	12/29/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA Regional Screening Level - Residential Soil		3.9	0.14	0.14	0.22	0.22	0.22	0.22	NA	NA

Notes:

mg/kg = milligrams per kilogram

NA = not analyzed

PCB = polychlorinated biphenyls

ND = not detected

Table 8  
Soil Vapor Analytical Results - VOCs  
Grant HS

SAMPLE LOCATION	Date	8260B Volatile Organic Compounds (VOCs)									
		1,2,4- Trimethyl- benzene	4-Ethyl- toluene	Benzene	Dichloro- difluoro- methane	Ethyl- benzene	xylene	Styrene	Tetra- chloro- ethene	toluene	Trichloro- fluoro- methane
		(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
S1/SG1-5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.5
S1/SG1-10'	12/23/2016	ND	5.9	1.3J	3.5J	6.5	19.1	30.2	8.1	13.2	130
S2/SG2-5'	12/23/2016	2.9J	7.9	3.2	3.0J	10.4	55.1	10.6	4.1J	38.8	37.7
S2/SG2-10'	12/23/2016	ND	2.9J	ND	3.0J	3.9J	14.3	12.4	3.4J	9.4	46.6
S3/SG3-5'	12/23/2016	ND	ND	ND	ND	5.2J	26.9	6.8J	ND	9.8	ND
S3/SG3-10'	12/23/2016	ND	ND	1.6J	ND	3.5J	22.1	6.0	ND	7.5	ND
S50/SG4-5'	12/23/2016	ND	ND	ND	ND	5.2J	27.8	5.1J	19.0	15.1	296
S50/SG4-10'	12/23/2016	ND	ND	ND	ND	ND	16.3	5.3J	10.2J	11.3	264
CHHSLs Shallow Soil Gas Human Health Screening Levels (ug/m3)		NA	NA	36.2	NA	NA	3.15E+05	NA	180	1.35E+05	NA

Notes:

ug/m3 = micrograms per cubic meter

NA = not analyzed

ND = not detected

CHHSL = California Human Health Screening Level

Table 9  
Soil Analytical Results - Lead  
Grant High School Excavation Areas

SAMPLE LOCATION	Date	6010B	Lead	Lead	SAMPLE LOCATION	Date	6010B
		Lead (mg/kg)	STLC (mg/L)	TCLP (mg/L)			Lead (mg/kg)
S68 Exc Bottom	7/13/2017	39.4	NA	NA	S73 Exc North Wall	7/21/2017	37.6
S68 Exc North Wall	7/13/2017	162	NA	NA	S69 Exc South Wall	7/21/2017	7.25
S68 Exc East Wall	7/13/2017	198	NA	NA	S69 Exc Bottom	7/21/2017	4.33
S68 Exc South Wall	7/13/2017	152	NA	NA	S67 Exc West Wall	7/21/2017	51.3
S68 Exc West Wall	7/13/2017	274	24.5	0.212	S67 Exc South Wall	7/21/2017	208
S69 Exc South Wall	7/13/2017	16.6	NA	NA	S68 Exc North Wall	7/21/2017	128
S69 Exc Bottom	7/13/2017	22.4	NA	NA	S68 Exc South Wall	7/21/2017	63.0
S9 Exc Bottom	7/13/2017	49.2	NA	NA	S68 Exc East Wall	7/21/2017	31.9
S9 Exc North Wall	7/13/2017	6.88	NA	NA	S68 Exc West Wall	7/21/2017	186
S8 Exc East Wall	7/13/2017	21.2	NA	NA			
S8 Exc Bottom	7/13/2017	149	NA	NA	S67 Exc West Wall	7/26/2017	23.1
S73 Exc Bottom	7/13/2017	29.6	NA	NA	S67 Exc South Wall	7/26/2017	93.6
S73 Exc West Wall	7/13/2017	30.3	NA	NA	S68 Exc North Wall	7/26/2017	96.8
S67 Exc Bottom	7/13/2017	117	NA	NA	S68 Exc South Wall	7/26/2017	56.1
S67 Exc South Wall	7/13/2017	144	NA	NA			
					S67-A-Exc Bottom	7/31/2017	133
S74 Exc North Wall	8/4/2017	47.6	NA	NA	S67-A-Exc South Wall	7/31/2017	130
S74 Exc Bottom	8/4/2017	5.1	NA	NA	S68-B-Exc North Wall	7/31/2017	260
S72 Exc North Wall	8/4/2017	70.4	NA	NA	S68-B-Exc Bottom	7/31/2017	77.4
Hazardous Waste Levels		1,000	5	5	--	--	1,000
Trigger Value (10xSTLC)		50	--	--	--	--	50
CHHSLs Residential Soil		150	--	--	--	--	150
CHHSLs Industrial Soil		3,500	--	--	--	--	3,500

Notes:

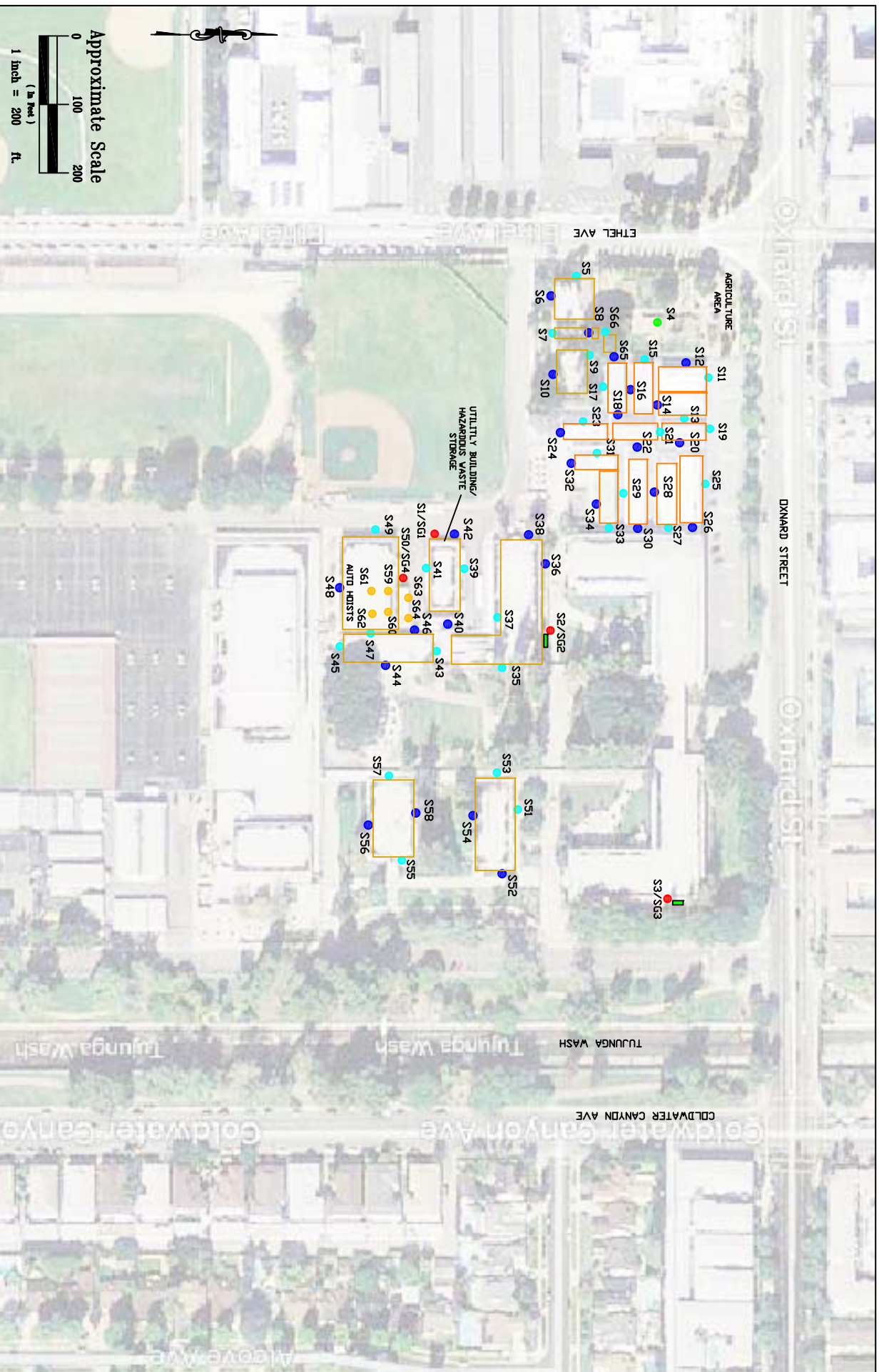
mg/kg = milligrams per kilogram

NA = not analyzed

STLC = soluble threshold limit concentration

TCLP = Toxicity characteristic leaching potential





Approximate Scale

0 100 200

(in Feet)

1 inch = 200 ft.

- CO-LOCATED SOIL/SOIL GAS SAMPLE LOCATION (0.5', 5', 10')
- LEAD AND OCP SOIL SAMPLE LOCATION (0.5', 1.5', 2.5')
- LEAD, OCP, AND ARSENIC SOIL SAMPLE LOCATION (0.5', 1.5', 2.5')
- OCP SOIL SAMPLE LOCATION (0.5', 1.5', 2.5')
- AUTO HOIST SAMPLE LOCATION (5', 10')
- BUILDING TO BE REMOVED
- PORTABLE TO BE REMOVED
- CLARIFIER

PHONE: (951) 808-8585/(951) 848-9812 (FAX)

Site Layout

Grant High School

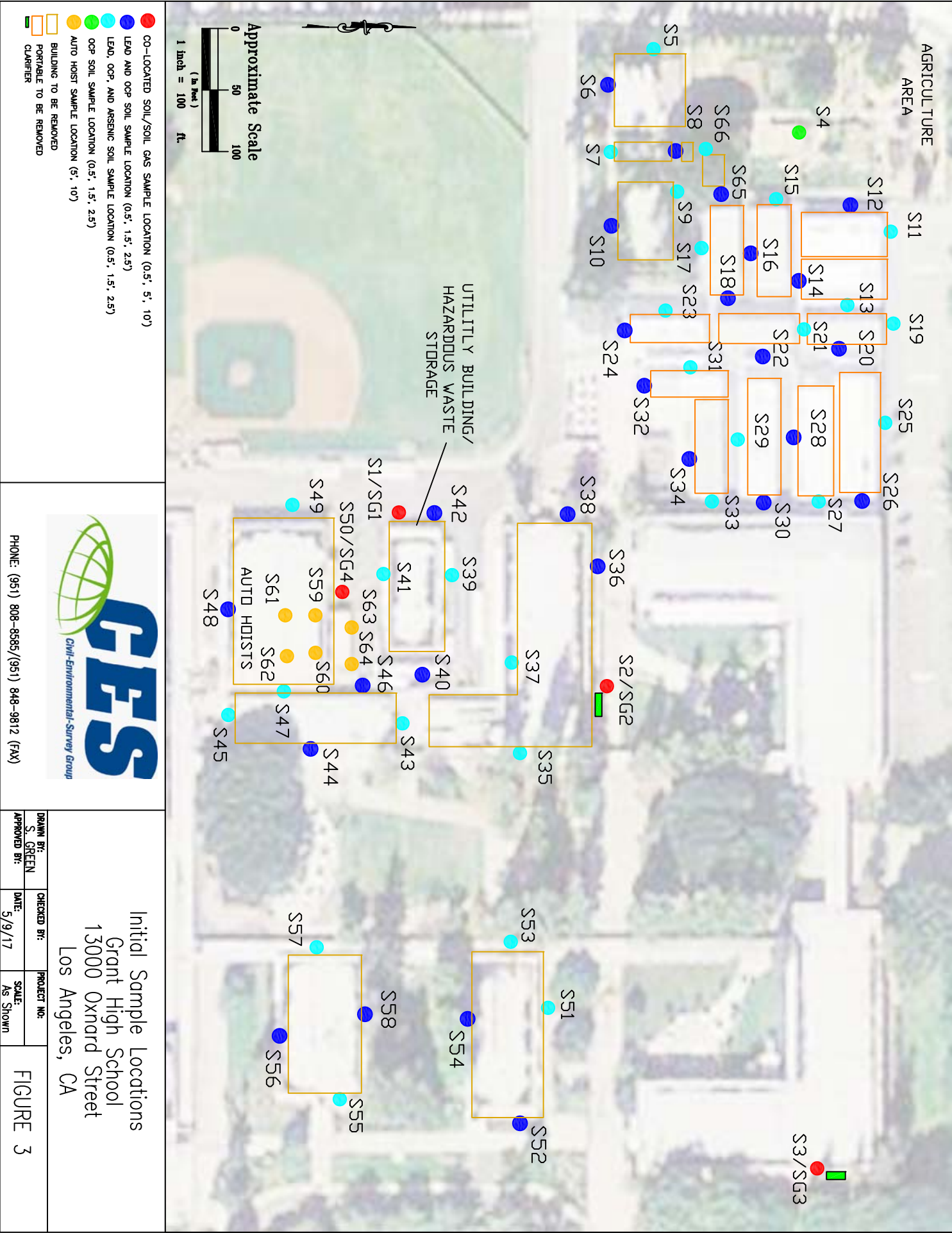
13000 Oxnard Street

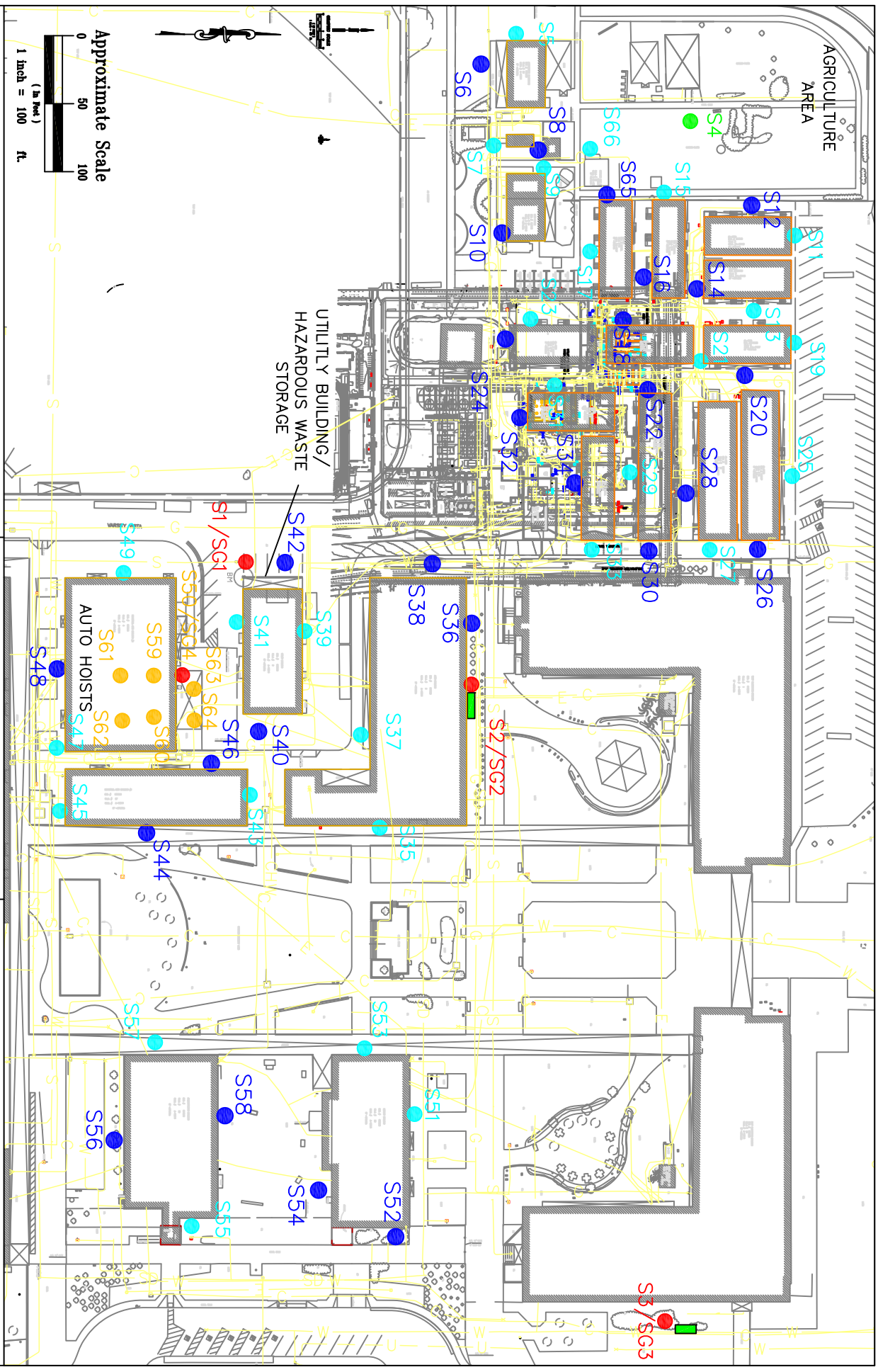
Los Angeles, Ca

DRAWN BY:	CHECKED BY:	PROJECT NO:
S. GREEN	LAUSD	
APPROVED BY:	DATE:	SCALE:
	5/9/17	As shown

FIGURE 2







Initial Sample Locations with Utilities  
Grant High School  
13000 Oxnard Street  
Los Angeles, CA

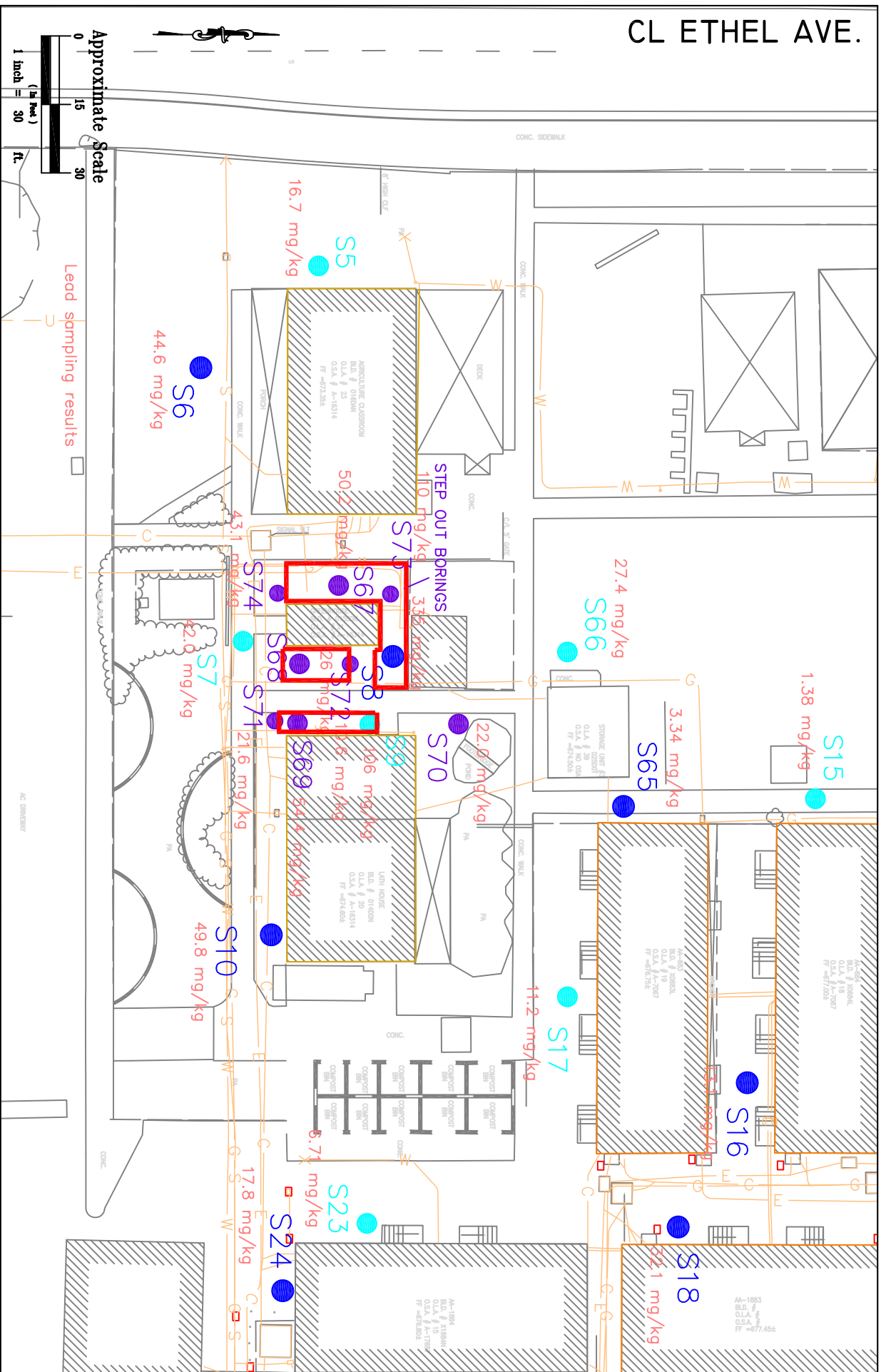
PHONE: (951) 808-8585/(951) 848-9812 (FAX)

DRAWN BY: S. GREEN  
APPROVED BY: DATE: 5/9/17  
CHECKED BY: PROJECT NO:  
SCALE: As Shown

FIGURE 4



CL ETHEL AVE.



PHONE: (951) 808-8585/(951) 848-9812 (FAX)

# Step Out Locations and Results and Housekeeping Excavation Areas Grant High School Los Angeles, CA

DRAWN BY: S. GREEN	CHECKED BY:	PROJECT NO:
APPROVED BY:	DATE: 9/14/17	SCALE: As Shown

FIGURE 5

## **Appendix A**



## Enthalpy Analytical, Inc.

**Formerly Associated Labs**

806 N. Batavia - Orange, CA 92868

Tel: (714)771-6900 Fax: (714)538-1209

www.associatedlabs.com

info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 385747  
Report Date: 01/19/2017  
Date Received: 12/22/2016  
Client ID: 15581

Comments: Grant HS  
PO# 27016  
13000 Oxnard St., Los Angeles, CA 91335

### Supplemental Report 2

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sample #</u>	<u>Client Sample ID</u>
385747-001	S34-0.5'	385747-025	S42-0.5'	385747-049	S53-0.5'
385747-002	S34-1.5'	385747-026	S42-1.5'	385747-050	S53-1.5'
385747-003	S34-2.5'	385747-027	S42-2.5'	385747-051	S53-2.5'
385747-004	S35-0.5'	385747-028	S44-0.5'	385747-052	S54-0.5'
385747-005	S35-1.5'	385747-029	S44-1.5'	385747-053	S54-1.5'
385747-006	S35-2.5'	385747-030	S44-2.5'	385747-054	S54-2.5'
385747-007	S36-0.5'	385747-031	S45-0.5'	385747-055	S56-0.5'
385747-008	S36-1.5'	385747-032	S45-1.5'	385747-056	S56-1.5'
385747-009	S36-2.5'	385747-033	S45-2.5'	385747-057	S56-2.5'
385747-010	S37-0.5'	385747-034	S47-0.5'	385747-058	S57-0.5'
385747-011	S37-1.5'	385747-035	S47-1.5'	385747-059	S57-1.5'
385747-012	S37-2.5'	385747-036	S47-2.5'	385747-060	S57-2.5'
385747-013	S38-0.5'	385747-037	S48-0.5'	385747-061	S58-0.5'
385747-014	S38-1.5'	385747-038	S48-1.5'	385747-062	S58-1.5'
385747-015	S38-2.5'	385747-039	S48-2.5'	385747-063	S58-2.5'
385747-016	S39-0.5'	385747-040	S49-0.5'	385747-064	S53D-0.5'
385747-017	S39-1.5'	385747-041	S49-1.5'	385747-065	S2/SG2-0.5'
385747-018	S39-2.5'	385747-042	S49-2.5'	385747-066	S2/SG2-1.5'
385747-019	S40-0.5'	385747-043	S50/SG4-0.5'	385747-067	S2/SG2-2.5'
385747-020	S40-1.5'	385747-044	S50/SG4-1.5'		
385747-021	S40-2.5'	385747-045	S50/SG4-2.5'		
385747-022	S41-0.5'	385747-046	S51-0.5'		
385747-023	S41-1.5'	385747-047	S51-1.5'		
385747-024	S41-2.5'	385747-048	S51-2.5'		

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:45	<b>Site:</b>	
<b>Sample #:</b> <u>385747-001</u>	<b>Client Sample #:</b> S34-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>0.93</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	2	0.00134	0.01	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	2	0.00114	0.01	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDT	ND	2	0.0019	0.01	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	2	0.0004	0.01	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	2	0.00068	0.01	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	2	0.024	0.1	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	2	0.0009	0.01	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	2	0.00126	0.01	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	2	0.00056	0.01	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	2	0.0016	0.01	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	2	0.0034	0.01	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	2	0.00124	0.01	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	2	0.0018	0.01	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	2	0.00088	0.01	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	2	0.00054	0.01	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	2	0.0006	0.01	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	2	0.0104	0.1	mg/Kg	12/22/16	12/23/16	LW
Toxaphene	ND	2	0.024	0.2	mg/Kg	12/22/16	12/23/16	LW
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	39		50-150		S			
Tetrachloro-m-xylene TCMX (SUR)	36		50-150		S			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:50	<b>Site:</b>	
<b>Sample #:</b> <u>385747-002</u>	<b>Client Sample #:</b> S34-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:55	<b>Site:</b>	
<b>Sample #:</b> <u>385747-003</u>	<b>Client Sample #:</b> S34-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 12:43	<b>Site:</b>	
<b>Sample #:</b> <u>385747-004</u>	<b>Client Sample #:</b> S35-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>5.78</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/23/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/23/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	61			50-150				
Tetrachloro-m-xylene TCMX (SUR)	87			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 12:50	<b>Site:</b>	
<b>Sample #:</b> <u>385747-005</u>	<b>Client Sample #:</b> S35-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 12:55	<b>Site:</b>	
<b>Sample #:</b> <u>385747-006</u>	<b>Client Sample #:</b> S35-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:15	<b>Site:</b>	
<b>Sample #:</b> <u>385747-007</u>	<b>Client Sample #:</b> S36-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>13.4</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	5	0.00335	0.025	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	5	0.00285	0.025	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDT	ND	5	0.00475	0.025	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	5	0.001	0.025	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	5	0.0017	0.025	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	5	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	5	0.00225	0.025	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	5	0.00315	0.025	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	5	0.0014	0.025	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	5	0.004	0.025	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	5	0.0085	0.025	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	5	0.0031	0.025	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	5	0.0045	0.025	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	5	0.0022	0.025	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	5	0.00135	0.025	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	5	0.0015	0.025	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	5	0.026	0.25	mg/Kg	12/22/16	12/23/16	LW
<b>Toxaphene</b>	<b>0.18 J</b>	5	0.06	0.5	mg/Kg	12/22/16	12/23/16	LW J
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	11			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	17			50-150	S		Dark extract. Matrix interference.	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:20	<b>Site:</b>	
<b>Sample #:</b> <u>385747-008</u>	<b>Client Sample #:</b> S36-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-009</u>	<b>Client Sample #:</b> S36-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:30	<b>Site:</b>	
<b>Sample #:</b> <u>385747-010</u>	<b>Client Sample #:</b> S37-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173863	
Arsenic	6.25	10	0.2	3	mg/Kg	01/02/16	01/03/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/22/16	12/23/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/22/16	12/23/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	08			50-150			S	
Tetrachloro-m-xylene TCMX (SUR)	08			50-150			S	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> <u>385747-011</u>	<b>Client Sample #:</b> S37-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:40	<b>Site:</b>	
<b>Sample #:</b> <u>385747-012</u>	<b>Client Sample #:</b> S37-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:15	<b>Site:</b>	
<b>Sample #:</b> <u>385747-013</u>	<b>Client Sample #:</b> S38-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>21.1</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	5	0.00335	0.025	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	5	0.00285	0.025	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDT	ND	5	0.00475	0.025	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	5	0.001	0.025	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	5	0.0017	0.025	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	5	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	5	0.00225	0.025	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	5	0.00315	0.025	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	5	0.0014	0.025	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	5	0.004	0.025	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	5	0.0085	0.025	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	5	0.0031	0.025	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	5	0.0045	0.025	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	5	0.0022	0.025	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	5	0.00135	0.025	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	5	0.0015	0.025	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	5	0.026	0.25	mg/Kg	12/22/16	12/23/16	LW
<b>Toxaphene</b>	<b>0.24 J</b>	5	0.06	0.5	mg/Kg	12/22/16	12/23/16	LW J
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	13			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	18			50-150	S			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-014</u>	<b>Client Sample #:</b> S38-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:30	<b>Site:</b>	
<b>Sample #:</b> <u>385747-015</u>	<b>Client Sample #:</b> S38-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-016</u>	<b>Client Sample #:</b> S39-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>3.18</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173863	
<b>Arsenic</b>	<b>1.439 J</b>	10	0.2	3	mg/Kg	01/02/16	01/03/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	2	0.00134	0.01	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDE	ND	2	0.00114	0.01	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDT	ND	2	0.0019	0.01	mg/Kg	12/22/16	12/26/16	LW
a-BHC	ND	2	0.0004	0.01	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	2	0.00068	0.01	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	2	0.024	0.1	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	2	0.0009	0.01	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	2	0.00126	0.01	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	2	0.00056	0.01	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	2	0.0016	0.01	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	2	0.0034	0.01	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	2	0.00124	0.01	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	2	0.0018	0.01	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	2	0.00088	0.01	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	2	0.00054	0.01	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	2	0.0006	0.01	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	2	0.0104	0.1	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	2	0.024	0.2	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	45			50-150			S	
Tetrachloro-m-xylene TCMX (SUR)	38			50-150			S	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:30	<b>Site:</b>	
<b>Sample #:</b> <u>385747-017</u>	<b>Client Sample #:</b> S39-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> <u>385747-018</u>	<b>Client Sample #:</b> S39-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> <u>385747-019</u>	<b>Client Sample #:</b> S40-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>16.6</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	50	0.0335	0.25	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	50	0.0285	0.25	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDT	ND	50	0.0475	0.25	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	50	0.01	0.25	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	50	0.017	0.25	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	50	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	50	0.6	2.5	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	50	0.0225	0.25	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	50	0.0315	0.25	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	50	0.014	0.25	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	50	0.04	0.25	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	50	0.085	0.25	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	50	0.031	0.25	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	50	0.045	0.25	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	50	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	50	0.022	0.25	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	50	0.0135	0.25	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	50	0.015	0.25	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	50	0.26	2.5	mg/Kg	12/22/16	12/23/16	LW
Toxaphene	ND	50	0.6	5	mg/Kg	12/22/16	12/23/16	LW
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	10		50-150		S			
Tetrachloro-m-xylene TCMX (SUR)	00		50-150		S			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:40	<b>Site:</b>	
<b>Sample #:</b> <u>385747-020</u>	<b>Client Sample #:</b> S40-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:45	<b>Site:</b>	
<b>Sample #:</b> <u>385747-021</u>	<b>Client Sample #:</b> S40-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:55	<b>Site:</b>	
<b>Sample #:</b> <u>385747-022</u>	<b>Client Sample #:</b> S41-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>13.8</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173863	
<b>Arsenic</b>	<b>7.05</b>	10	0.2	3	mg/Kg	01/02/16	01/03/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	2	0.00134	0.01	mg/Kg	12/22/16	12/26/16	LW
<b>4,4'-DDE</b>	<b>0.00180 J</b>	2	0.00114	0.01	mg/Kg	12/22/16	12/26/16	LW J
4,4'-DDT	ND	2	0.0019	0.01	mg/Kg	12/22/16	12/26/16	LW
a-BHC	ND	2	0.0004	0.01	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	2	0.00068	0.01	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW
<b>Chlordane (technical)</b>	<b>0.0350 J</b>	2	0.024	0.1	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	2	0.0009	0.01	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	2	0.00126	0.01	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	2	0.00056	0.01	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	2	0.0016	0.01	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	2	0.0034	0.01	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	2	0.00124	0.01	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	2	0.0018	0.01	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	2	0.00088	0.01	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	2	0.00054	0.01	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	2	0.0006	0.01	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	2	0.0104	0.1	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	2	0.024	0.2	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	24			50-150			S	
Tetrachloro-m-xylene TCMX (SUR)	38			50-150			S	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-023</u>	<b>Client Sample #:</b> S41-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:05	<b>Site:</b>	
<b>Sample #:</b> <u>385747-024</u>	<b>Client Sample #:</b> S41-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:15	<b>Site:</b>	
<b>Sample #:</b> <u>385747-025</u>	<b>Client Sample #:</b> S42-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>45.4</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW
<b>4,4'-DDE</b>	<b>0.00094 J</b>	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW J
<b>4,4'-DDT</b>	<b>0.00230 J</b>	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	43			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	72			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:20	<b>Site:</b>	
<b>Sample #:</b> <u>385747-026</u>	<b>Client Sample #:</b> S42-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-027</u>	<b>Client Sample #:</b> S42-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:34	<b>Site:</b>	
<b>Sample #:</b> <u>385747-028</u>	<b>Client Sample #:</b> S44-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>5.62</b>	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	66			50-150				
Tetrachloro-m-xylene TCMX (SUR)	69			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:37	<b>Site:</b>	
<b>Sample #:</b> <u>385747-029</u>	<b>Client Sample #:</b> S44-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:40	<b>Site:</b>	
<b>Sample #:</b> <u>385747-030</u>	<b>Client Sample #:</b> S44-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:20	<b>Site:</b>	
<b>Sample #:</b> <u>385747-031</u>	<b>Client Sample #:</b> S45-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>6.45</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW
<b>4,4'-DDE</b>	<b>0.002 J</b>	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW J
<b>4,4'-DDT</b>	<b>0.003 J</b>	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
<b>d-BHC</b>	<b>0.001 J</b>	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW J
<b>Dieldrin</b>	<b>0.01200 J</b>	5	0.00315	0.025	mg/Kg	12/22/16	12/26/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
<b>Heptachlor epoxide</b>	<b>0.001 J</b>	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW J
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	62			50-150				
Tetrachloro-m-xylene TCMX (SUR)	83			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-032</u>	<b>Client Sample #:</b> S45-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:30	<b>Site:</b>	
<b>Sample #:</b> <u>385747-033</u>	<b>Client Sample #:</b> S45-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:13	<b>Site:</b>	
<b>Sample #:</b> <u>385747-034</u>	<b>Client Sample #:</b> S47-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>56.6</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174165	
<b>Lead</b>	<b>2.86</b>	10	0.12	0.15	mg/L	01/09/17	01/10/17	KLN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	36			50-150			S	
Tetrachloro-m-xylene TCMX (SUR)	86			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:17	<b>Site:</b>	
<b>Sample #:</b> <u>385747-035</u>	<b>Client Sample #:</b> S47-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174305	
<b>Lead</b>	<b>8.20</b>	1	0.32	0.5	mg/Kg	01/13/17	01/16/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:21	<b>Site:</b>	
<b>Sample #:</b> <u>385747-036</u>	<b>Client Sample #:</b> S47-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 10:45	<b>Site:</b>	
<b>Sample #:</b> <u>385747-037</u>	<b>Client Sample #:</b> S48-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>32.9</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
<b>4,4'-DDD</b>	<b>0.001 J</b>	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW J
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW
<b>4,4'-DDT</b>	<b>0.001 J</b>	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	37			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	85			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>385747-038</u>	<b>Client Sample #:</b> S48-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-039</u>	<b>Client Sample #:</b> S48-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-040</u>	<b>Client Sample #:</b> S49-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>11.9</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	43			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	79			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:05	<b>Site:</b>	
<b>Sample #:</b> <u>385747-041</u>	<b>Client Sample #:</b> S49-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 11:10	<b>Site:</b>	
<b>Sample #:</b> <u>385747-042</u>	<b>Client Sample #:</b> S49-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:55	<b>Site:</b>	
<b>Sample #:</b> <u>385747-043</u>	<b>Client Sample #:</b> S50/SG4-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>0.74</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/23/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/23/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/23/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/23/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/23/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/23/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/23/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	61			50-150				
Tetrachloro-m-xylene TCMX (SUR)	77			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-044</u>	<b>Client Sample #:</b> S50/SG4-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 14:05	<b>Site:</b>	
<b>Sample #:</b> <u>385747-045</u>	<b>Client Sample #:</b> S50/SG4-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:45	<b>Site:</b>	
<b>Sample #:</b> <u>385747-046</u>	<b>Client Sample #:</b> S51-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>8.91</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW
<b>4,4'-DDE</b>	<b>0.001 J</b>	1	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW J
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/30/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	35			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	58			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:50	<b>Site:</b>	
<b>Sample #:</b> <u>385747-047</u>	<b>Client Sample #:</b> S51-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:55	<b>Site:</b>	
<b>Sample #:</b> <u>385747-048</u>	<b>Client Sample #:</b> S51-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:40	<b>Site:</b>	
<b>Sample #:</b> <u>385747-049</u>	<b>Client Sample #:</b> S53-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>31.0</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/30/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	27			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	66			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:50	<b>Site:</b>	
<b>Sample #:</b> <u>385747-050</u>	<b>Client Sample #:</b> S53-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:55	<b>Site:</b>	
<b>Sample #:</b> <u>385747-051</u>	<b>Client Sample #:</b> S53-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-052</u>	<b>Client Sample #:</b> S54-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173757	
<b>Lead</b>	<b>30.4</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
<b>4,4'-DDD</b>	<b>0.078</b>	2	0.00134	0.01	mg/Kg	12/22/16	12/23/16	LW
<b>4,4'-DDE</b>	<b>0.04500 J</b>	10	0.0057	0.05	mg/Kg	12/22/16	12/23/16	LW J
<b>4,4'-DDT</b>	<b>0.00870 J</b>	2	0.0019	0.01	mg/Kg	12/22/16	12/23/16	LW J
a-BHC	ND	2	0.0004	0.01	mg/Kg	12/22/16	12/23/16	LW
Aldrin	ND	2	0.00068	0.01	mg/Kg	12/22/16	12/23/16	LW
b-BHC	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW
<b>Chlordane (technical)</b>	<b>0.0560 J</b>	2	0.024	0.1	mg/Kg	12/22/16	12/23/16	LW J
d-BHC	ND	2	0.0009	0.01	mg/Kg	12/22/16	12/23/16	LW
<b>Dieldrin</b>	<b>0.01300</b>	2	0.00126	0.01	mg/Kg	12/22/16	12/23/16	LW
Endosulfan I	ND	2	0.00056	0.01	mg/Kg	12/22/16	12/23/16	LW
Endosulfan II	ND	2	0.0016	0.01	mg/Kg	12/22/16	12/23/16	LW
Endosulfan sulfate	ND	2	0.0034	0.01	mg/Kg	12/22/16	12/23/16	LW
Endrin	ND	2	0.00124	0.01	mg/Kg	12/22/16	12/23/16	LW
Endrin aldehyde	ND	2	0.0018	0.01	mg/Kg	12/22/16	12/23/16	LW L
Endrin Ketone	ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW
Heptachlor	ND	2	0.00088	0.01	mg/Kg	12/22/16	12/23/16	LW
<b>Heptachlor epoxide</b>	<b>0.00120 J</b>	2	0.00054	0.01	mg/Kg	12/22/16	12/23/16	LW J
Lindane (Gamma-BHC)	ND	2	0.0006	0.01	mg/Kg	12/22/16	12/23/16	LW
Methoxychlor	ND	2	0.0104	0.1	mg/Kg	12/22/16	12/23/16	LW
<b>Toxaphene</b>	<b>0.028 J</b>	2	0.024	0.2	mg/Kg	12/22/16	12/23/16	LW J
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	34			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	48			50-150	S			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:05	<b>Site:</b>	
<b>Sample #:</b> <u>385747-053</u>	<b>Client Sample #:</b> S54-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:10	<b>Site:</b>	
<b>Sample #:</b> <u>385747-054</u>	<b>Client Sample #:</b> S54-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:15	<b>Site:</b>	
<b>Sample #:</b> <u>385747-055</u>	<b>Client Sample #:</b> S56-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173756	
<b>Lead</b>	<b>25.1</b>	1	0.32	0.5	mg/Kg	12/27/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/30/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	59			50-150				
Tetrachloro-m-xylene TCMX (SUR)	103			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:20	<b>Site:</b>	
<b>Sample #:</b> <u>385747-056</u>	<b>Client Sample #:</b> S56-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-057</u>	<b>Client Sample #:</b> S56-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:20	<b>Site:</b>	
<b>Sample #:</b> <u>385747-058</u>	<b>Client Sample #:</b> S57-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173756	
<b>Lead</b>	<b>10.1</b>	1	0.32	0.5	mg/Kg	12/27/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173653	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/30/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/22/16	12/30/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/22/16	12/30/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	44			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	93			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:25	<b>Site:</b>	
<b>Sample #:</b> <u>385747-059</u>	<b>Client Sample #:</b> S57-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:30	<b>Site:</b>	
<b>Sample #:</b> <u>385747-060</u>	<b>Client Sample #:</b> S57-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-061</u>	<b>Client Sample #:</b> S58-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173756	
<b>Lead</b>	<b>28.9</b>	1	0.32	0.5	mg/Kg	12/27/16	12/28/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
<b>4,4'-DDE</b>	<b>0.011</b>	1	0.00057	0.005	mg/Kg		12/25/16	LW
<b>4,4'-DDT</b>	<b>0.006</b>	1	0.00095	0.005	mg/Kg		12/25/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
<b>Dieldrin</b>	<b>0.001 J</b>	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	70			50-150				
Tetrachloro-m-xylene TCMX (SUR)	77			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:05	<b>Site:</b>	
<b>Sample #:</b> <u>385747-062</u>	<b>Client Sample #:</b> S58-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 16:10	<b>Site:</b>	
<b>Sample #:</b> <u>385747-063</u>	<b>Client Sample #:</b> S58-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 15:45	<b>Site:</b>	
<b>Sample #:</b> <u>385747-064</u>	<b>Client Sample #:</b> S53D-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>27.9</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	0.001 J	1	0.00057	0.005	mg/Kg		12/25/16	LW
4,4'-DDT	0.001 J	1	0.00095	0.005	mg/Kg		12/25/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	75			50-150				
Tetrachloro-m-xylene TCMX (SUR)	92			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:00	<b>Site:</b>	
<b>Sample #:</b> <u>385747-065</u>	<b>Client Sample #:</b> S2/SG2-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:05	<b>Site:</b>	
<b>Sample #:</b> <u>385747-066</u>	<b>Client Sample #:</b> S2/SG2-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/21/2016 13:10	<b>Site:</b>	
<b>Sample #:</b> <u>385747-067</u>	<b>Client Sample #:</b> S2/SG2-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

QCBatchID: **QC1173653**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/22/2016

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173653MB1</b>					
4,4'-DDD	ND	mg/Kg	0.67	5	
4,4'-DDE	ND	mg/Kg	0.57	5	
4,4'-DDT	ND	mg/Kg	0.95	5	
a-BHC	ND	mg/Kg	0.2	5	
Aldrin	ND	mg/Kg	0.34	5	
b-BHC	ND	mg/Kg	1.2	5	
Chlordane (technical)	ND	mg/Kg	12	50	
d-BHC	ND	mg/Kg	0.45	5	
Dieldrin	ND	mg/Kg	0.63	5	
Endosulfan I	ND	mg/Kg	0.28	5	
Endosulfan II	ND	mg/Kg	0.8	5	
Endosulfan sulfate	ND	mg/Kg	1.7	5	
Endrin	ND	mg/Kg	0.62	5	
Endrin aldehyde	ND	mg/Kg	0.9	5	
Endrin Ketone	ND	mg/Kg	1.2	5	
Heptachlor	ND	mg/Kg	0.44	5	
Heptachlor epoxide	ND	mg/Kg	0.27	5	
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5	
Methoxychlor	ND	mg/Kg	5.2	10	
Toxaphene	ND	mg/Kg	12	100	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173653LCS1											
4,4'-DDE	0.005		0.00380		mg/Kg	76			70-130		
4,4'-DDT	0.005		0.00370		mg/Kg	74			70-130		
a-BHC	0.005		0.00400		mg/Kg	80			70-130		
Aldrin	0.005		0.00410		mg/Kg	82			70-130		
b-BHC	0.005		0.00400		mg/Kg	80			70-130		
d-BHC	0.005		0.00470		mg/Kg	94			70-130		
Dieldrin	0.005		0.00400		mg/Kg	80			70-130		
Endosulfan I	0.005		0.00370		mg/Kg	74			70-130		
Endosulfan II	0.005		0.00350		mg/Kg	70			70-130		
Endosulfan sulfate	0.005		0.00420		mg/Kg	84			70-130		
Endrin	0.005		0.00390		mg/Kg	78			70-130		
Endrin aldehyde	0.005		0.00320		mg/Kg	64			70-130		L
Heptachlor	0.005		0.00390		mg/Kg	78			70-130		
Heptachlor epoxide	0.005		0.00390		mg/Kg	78			70-130		
Lindane (Gamma-BHC)	0.005		0.00420		mg/Kg	84			70-130		
Methoxychlor	0.005		0.0038		mg/Kg	76			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173653MS1, QC1173653MSD1												Source: 385747-001
4,4'-DDE	ND	0.005	0.005	0.00200	0.00140	mg/Kg	40	28	35.3	70-130	20	M
4,4'-DDT	ND	0.005	0.005	0.00220	0.00150	mg/Kg	44	30	37.8	70-130	20	M
a-BHC	ND	0.005	0.005	0.00190	0.00180	mg/Kg	38	36	5.4	70-130	20	M
Aldrin	ND	0.005	0.005	0.00210	0.00170	mg/Kg	42	34	21.1	70-130	20	M
b-BHC	ND	0.005	0.005	0.00190	0.00130	mg/Kg	38	26	37.5	70-130	20	M

QCBatchID: **QC1173653**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/22/2016

Instrument: SVOA-GC (group)

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173653MS1, QC1173653MSD1										Source: 385747-001		
d-BHC	ND	0.005	0.005	0.00210	0.00073	mg/Kg	42	15	96.8	70-130	20	M
Dieldrin	ND	0.005	0.005	0.00190	0.00110	mg/Kg	38	22	53.3	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.00180	0.00120	mg/Kg	36	24	40.0	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.00170	0.00029	mg/Kg	34	6	141.7	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.00170	0.00026	mg/Kg	34	5	146.9	70-130	20	M
Endrin	ND	0.005	0.005	0.00200	0.00120	mg/Kg	40	24	50.0	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.00150	0.00029	mg/Kg	30	6	135.2	70-130	20	M
Heptachlor	ND	0.005	0.005	0.00200	0.00170	mg/Kg	40	34	16.2	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.00190	0.00130	mg/Kg	38	26	37.5	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.00210	0.00160	mg/Kg	42	32	27.0	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.0021	0.0012	mg/Kg	42	24	54.5	70-130	20	M

QCBatchID: **QC1173682**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/25/2016

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173682MB1</b>					
4,4'-DDD	ND	mg/Kg	0.67	5	
4,4'-DDE	ND	mg/Kg	0.57	5	
4,4'-DDT	ND	mg/Kg	0.95	5	
a-BHC	ND	mg/Kg	0.2	5	
Aldrin	ND	mg/Kg	0.34	5	
b-BHC	ND	mg/Kg	1.2	5	
Chlordane (technical)	ND	mg/Kg	12	50	
cis-chlordane	ND	mg/Kg			
d-BHC	ND	mg/Kg	0.45	5	
Dieldrin	ND	mg/Kg	0.63	5	
Endosulfan I	ND	mg/Kg	0.28	5	
Endosulfan II	ND	mg/Kg	0.8	5	
Endosulfan sulfate	ND	mg/Kg	1.7	5	
Endrin	ND	mg/Kg	0.62	5	
Endrin aldehyde	ND	mg/Kg	0.9	5	
Endrin Ketone	ND	mg/Kg	1.2	5	
Heptachlor	ND	mg/Kg	0.44	5	
Heptachlor epoxide	ND	mg/Kg	0.27	5	
Hexachlorobenzene	ND	mg/Kg			
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5	
Methoxychlor	ND	mg/Kg	5.2	10	
Toxaphene	ND	mg/Kg	12	100	
trans-chlordane	ND	mg/Kg			

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173682LCS1											
4,4'-DDE	0.005		0.004		mg/Kg	80			70-130		
4,4'-DDT	0.005		0.004		mg/Kg	80			70-130		
a-BHC	0.005		0.004		mg/Kg	80			70-130		
Aldrin	0.005		0.004		mg/Kg	80			70-130		
b-BHC	0.005		0.004		mg/Kg	80			70-130		
d-BHC	0.005		0.004		mg/Kg	80			70-130		
Dieldrin	0.005		0.004		mg/Kg	80			70-130		
Endosulfan I	0.005		0.004		mg/Kg	80			70-130		
Endosulfan II	0.005		0.004		mg/Kg	80			70-130		
Endosulfan sulfate	0.005		0.004		mg/Kg	80			70-130		
Endrin	0.005		0.004		mg/Kg	80			70-130		
Endrin aldehyde	0.005		0.004		mg/Kg	80			70-130		
Heptachlor	0.005		0.004		mg/Kg	80			70-130		
Heptachlor epoxide	0.005		0.004		mg/Kg	80			70-130		
Lindane (Gamma-BHC)	0.005		0.004		mg/Kg	80			70-130		
Methoxychlor	0.005		0.004		mg/Kg	80			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173682MS1, QC1173682MSD1												Source: 385747-061
4,4'-DDE	0.011	0.005	0.005	0.013	0.018	mg/Kg	40	140	32.3	70-130	20	M
4,4'-DDT	0.006	0.005	0.005	0.009	0.010	mg/Kg	60	80	158.3	70-130	20	M

QCBatchID: **QC1173682**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/25/2016

Instrument: SVOA-GC (group)

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173682MS1, QC1173682MSD1							Source: 385747-061					
a-BHC	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	M
Aldrin	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M
b-BHC	ND	0.005	0.005	0.003	0.005	mg/Kg	60	100	50.0	70-130	20	M
d-BHC	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	133.3	70-130	20	M
Dieldrin	0.001	0.005	0.005	0.003	0.009	mg/Kg	40	160	97.1	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.002	0.004	mg/Kg	40	80	66.7	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.001	0.004	mg/Kg	20	80	85.7	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.000	0.002	mg/Kg	0	40	66.7	70-130	20	M
Endrin	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	88.9	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.001	0.003	mg/Kg	20	60	107.7	70-130	20	M
Heptachlor	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.002	0.005	mg/Kg	40	100	85.7	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.001	0.006	mg/Kg	20	120	28.6	70-130	20	M

QCBatchID: **QC1173756**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 12/28/2016

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173756MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Calcium	ND	mg/Kg	0.94	50	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
Iron	ND	mg/Kg	0.4	5	
Lead	ND	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Potassium	ND	mg/Kg	3.07	50	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173756LCS1											
Antimony	100		106		mg/Kg	106			80-120		
Arsenic	100		94.1		mg/Kg	94			80-120		
Barium	100		103		mg/Kg	103			80-120		
Beryllium	100		98.7		mg/Kg	99			80-120		
Cadmium	100		102		mg/Kg	102			80-120		
Chromium	100		101		mg/Kg	101			80-120		
Cobalt	100		102		mg/Kg	102			80-120		
Copper	100		97.3		mg/Kg	97			80-120		
Lead	100		99.4		mg/Kg	99			80-120		
Molybdenum	100		93.2		mg/Kg	93			80-120		
Nickel	100		96.1		mg/Kg	96			80-120		
Selenium	100		89.5		mg/Kg	90			80-120		
Silver	100		94.5		mg/Kg	95			80-120		
Thallium	100		113		mg/Kg	113			80-120		
Vanadium	100		99.1		mg/Kg	99			80-120		
Zinc	100		102		mg/Kg	102			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173756MS1, QC1173756MSD1											Source: 385775-001	
Antimony	ND	100	100	14.6	12.2	mg/Kg	15	12	17.9	75-125	20	M
Arsenic	4.03	100	100	85.5	78.0	mg/Kg	81	74	9.2	75-125	20	M
Barium	90.3	100	100	202	193	mg/Kg	112	103	4.6	75-125	20	
Beryllium	ND	100	100	84.7	77.7	mg/Kg	85	78	8.6	75-125	20	
Cadmium	0.52	100	100	85.6	78.7	mg/Kg	85	78	8.4	75-125	20	
Chromium	13.9	100	100	104	96.8	mg/Kg	90	83	7.2	75-125	20	

QCBatchID: **QC1173756**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 12/28/2016

Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1173756MS1, QC1173756MSD1											Source: 385775-001	
Cobalt	9.16	100	100	95.1	87.5	mg/Kg	86	78	8.3	75-125	20	
Copper	18.3	100	100	108	103	mg/Kg	90	85	4.7	75-125	20	
Lead	3.16	100	100	82.8	75.0	mg/Kg	80	72	9.9	75-125	20	M
Molybdenum	ND	100	100	76.8	68.8	mg/Kg	77	69	11.0	75-125	20	M
Nickel	11.4	100	100	95.8	87.0	mg/Kg	84	76	9.6	75-125	20	
Selenium	1.35	100	100	80.6	72.4	mg/Kg	79	71	10.7	75-125	20	M
Silver	ND	100	100	76.2	73.8	mg/Kg	76	74	3.2	75-125	20	M
Thallium	ND	100	100	82.0	71.9	mg/Kg	82	72	13.1	75-125	20	M
Vanadium	32.7	100	100	123	114	mg/Kg	90	81	7.6	75-125	20	
Zinc	45.3	100	100	134	124	mg/Kg	89	79	7.8	75-125	20	

QCBatchID: **QC1173757**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 12/28/2016

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173757MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
Lead	ND	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Tin	ND	mg/Kg	0.7	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173757LCS1											
Antimony	100		94.2		mg/Kg	94			80-120		
Arsenic	100		98.3		mg/Kg	98			80-120		
Barium	100		106		mg/Kg	106			80-120		
Beryllium	100		103		mg/Kg	103			80-120		
Cadmium	100		108		mg/Kg	108			80-120		
Chromium	100		106		mg/Kg	106			80-120		
Cobalt	100		108		mg/Kg	108			80-120		
Copper	100		99.6		mg/Kg	100			80-120		
Lead	100		107		mg/Kg	107			80-120		
Molybdenum	100		99.1		mg/Kg	99			80-120		
Nickel	100		103		mg/Kg	103			80-120		
Selenium	100		93.3		mg/Kg	93			80-120		
Silver	100		89.7		mg/Kg	90			80-120		
Thallium	100		116		mg/Kg	116			80-120		
Vanadium	100		103		mg/Kg	103			80-120		
Zinc	100		98.2		mg/Kg	98			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173757MS1, QC1173757MSD1											Source: 385693-001	
Antimony	ND	100	100	27.4	26.6	mg/Kg	27	27	3.0	75-125	20	M
Arsenic	3.23	100	100	80.2	83.6	mg/Kg	77	80	4.2	75-125	20	
Barium	77.6	100	100	163	155	mg/Kg	85	77	5.0	75-125	20	
Beryllium	ND	100	100	80.8	82.2	mg/Kg	81	82	1.7	75-125	20	
Cadmium	0.69	100	100	80.7	78.2	mg/Kg	80	78	3.1	75-125	20	
Chromium	22.6	100	100	103	98.9	mg/Kg	80	76	4.1	75-125	20	
Cobalt	5.27	100	100	83.8	81.2	mg/Kg	79	76	3.2	75-125	20	
Copper	56.6	100	100	123	130	mg/Kg	66	73	5.5	75-125	20	M



QCBatchID: **QC1173757**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 12/28/2016

Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1173757MS1, QC1173757MSD1											Source: 385693-001	
Lead	41.9	100	100	107	122	mg/Kg	65	80	13.1	75-125	20	M
Molybdenum	0.34	100	100	73.7	76.2	mg/Kg	73	76	3.3	75-125	20	M
Nickel	16.4	100	100	91.0	95.2	mg/Kg	75	79	4.5	75-125	20	M
Selenium	ND	100	100	73.3	76.3	mg/Kg	73	76	4.0	75-125	20	M
Silver	ND	100	100	71.4	69.0	mg/Kg	71	69	3.4	75-125	20	M
Thallium	0.57	100	100	77.4	79.8	mg/Kg	77	79	3.1	75-125	20	
Vanadium	16.9	100	100	98.9	95.9	mg/Kg	82	79	3.1	75-125	20	
Zinc	158	100	100	206	214	mg/Kg	48	56	3.8	75-125	20	M

<b>QCBatchID:</b> <u>QC1173758</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/28/2016	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173758MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173758LCS1											
Lead	100		105		mg/Kg	105			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173758MS1, QC1173758MSD1											Source: 385747-064	
Lead	27.9	100	100	102	115	mg/Kg				75-125	20	

<b>QCBatchID:</b> <u>QC1173863</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6020
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/30/2016	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173863MB1</b>						
Arsenic	ND	mg/Kg	0.02	0.3		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173863LCS1											
Arsenic	50		53.6		mg/Kg	107			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173863MS1, QC1173863MSD1											Source: 385747-010	
Arsenic	6.25	50	50	50.7	53.4	mg/Kg	89	94	5.2	75-125	20	

<b>QCBatchID:</b> <u>QC1174165</u>	<b>Analyst:</b> kedy	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/09/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174165MB1</b>						
Chromium	ND	mg/L	0.006	0.03		
Lead	ND	mg/L	0.012	0.015		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1174165MS1, QC1174165MSD1											Source: 385727-001	
Chromium	ND	10	10	9.75	10.0	mg/L	97	100	2.5	75-125	20	
Lead	ND	10	10	9.36	9.47	mg/L	93	94	1.2	75-125	20	

QCBatchID: **QC1174305**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 01/13/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1174305MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
<b>Lead</b>	<b>0.35 J</b>	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174305LCS1											
Antimony	100		103		mg/Kg	103			80-120		
Arsenic	100		95.6		mg/Kg	96			80-120		
Barium	100		103		mg/Kg	103			80-120		
Beryllium	100		96.8		mg/Kg	97			80-120		
Cadmium	100		103		mg/Kg	103			80-120		
Chromium	100		98.7		mg/Kg	99			80-120		
Cobalt	100		99.3		mg/Kg	99			80-120		
Copper	100		96.5		mg/Kg	97			80-120		
Lead	100		98.4		mg/Kg	98			80-120		
Molybdenum	100		96.1		mg/Kg	96			80-120		
Nickel	100		100		mg/Kg	100			80-120		
Selenium	100		91.7		mg/Kg	92			80-120		
Silver	100		93.0		mg/Kg	93			80-120		
Thallium	100		101		mg/Kg	101			80-120		
Vanadium	100		99.8		mg/Kg	100			80-120		
Zinc	100		98.1		mg/Kg	98			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174305MS1, QC1174305MSD1											Source: 385747-035	
Antimony	ND	100	100	28.3	29.9	mg/Kg	28	30	5.5	75-125	20	M
Arsenic	11.6	100	100	103	106	mg/Kg	91	94	2.9	75-125	20	
Barium	130	100	100	226	227	mg/Kg	96	97	0.4	75-125	20	
Beryllium	ND	100	100	90.0	93.0	mg/Kg	90	93	3.3	75-125	20	
Cadmium	0.55	100	100	97.7	101	mg/Kg	97	100	3.3	75-125	20	
Chromium	17.0	100	100	110	113	mg/Kg	93	96	2.7	75-125	20	
Cobalt	11.2	100	100	102	102	mg/Kg	91	91	0.0	75-125	20	
Copper	20.0	100	100	113	116	mg/Kg	93	96	2.6	75-125	20	
Lead	8.20	100	100	97.8	99.8	mg/Kg	90	92	2.0	75-125	20	

<b>QCBatchID:</b> <u>QC1174305</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/13/2017	<b>Instrument:</b> AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174305MS1, QC1174305MSD1											Source: 385747-035	
Molybdenum	ND	100	100	89.4	90.2	mg/Kg	89	90	0.9	75-125	20	M
Nickel	11.6	100	100	103	103	mg/Kg	91	91	0.0	75-125	20	
Selenium	ND	100	100	69.8	67.2	mg/Kg	70	67	3.8	75-125	20	
Silver	0.18	100	100	86.6	90.1	mg/Kg	86	90	4.0	75-125	20	
Thallium	ND	100	100	88.6	88.1	mg/Kg	89	88	0.6	75-125	20	
Vanadium	35.1	100	100	130	135	mg/Kg	95	100	3.8	75-125	20	
Zinc	52.8	100	100	146	149	mg/Kg	93	96	2.0	75-125	20	

# Data Qualifiers and Definitions

## Qualifiers








<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds








ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)				
806 N. Batavia St., Orange, CA 92868		Lab No: 385747		Standard: x		4 Day: 3 Day:		
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 1 of 8		2 Day: 1 Day: Same Day:				
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other				
CUSTOMER INFORMATION		PROJECT INFORMATION			Analysis Request			Test Instructions / Comments
Company:	CES Group	Name:	Grant HS					Analyze 0.5' samples. Hold deeper samples.
Report To:	Skye Green	Number:						
Email:	sgreen@cesgroup.co	P.O. #:	27016					
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.					
	Temecula, CA 92592		Los Angeles, CA 91335					
Phone:	714-398-6363	Global ID:						
Fax:	951-848-9812	Sampled By:	D. Baysa					
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.			
1 S34-0.5'	12/21/16	2:45 PM	S	8oz				
2 S34-1.5'	12/21/16	2:50 PM	S	8oz				
3 S34-2.5'	12/21/16	2:55 PM	S	8oz				
4 S35-0.5'	12/21/16	12:43 PM	S	8oz				
5 S35-1.5'	12/21/16	12:50 PM	S	8oz				
6 S35-2.5'	12/21/16	12:55 PM	S	8oz				
7 S36-0.5'	12/21/16	1:15 PM	S	8oz				
8 S36-1.5'	12/21/16	1:20 PM	S	8oz				
9 S36-2.5'	12/21/16	1:25 PM	S	8oz				
10			S					
Signature		Print Name			Company / Title		Date / Time	
1 Relinquished By: [Signature]		Danny Baysa			CES Group/ Field Supervisor			
1 Received By: [Signature]		Al Beharai			CES Group		12-22-16 / 0610	
2 Relinquished By: [Signature]		Al Baysa			CES Group		12-22-16 / 1209	
2 Received By: [Signature]		L. Manetti					12/22/16 1209	
3 Relinquished By: [Signature]		L. Manetti					12/22/16 1253	
3 Received By: [Signature]		T. Nason			EA		12/22/16 1253	











ENTHALPY ANALYTICAL, INC.			Chain of Custody Record			Turn Around Time (Rush by advanced notice only)									
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933			Lab No: <b>385747</b>			Standard: <input checked="" type="checkbox"/> 4 Day: <input type="checkbox"/> 3 Day: <input type="checkbox"/>									
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614			Page: <b>2</b> of <b>8</b>			2 Day: <input type="checkbox"/> 1 Day: <input type="checkbox"/> Same Day: <input type="checkbox"/>									
			<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other			<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other									
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group			Name:	Grant HS										
Report To:	Skye Green			Number:											
Email:	sgreen@cesgroup.co			P.O. #:	27016										
Address:	33353 Temecula Pkwy, Suite 104#333			Address:	18605 Erwin St.										
	Temecula, CA 92592				Tarzana, CA 91335										
Phone:	714-398-6363			Global ID:											
Fax:	951-848-9812			Sampled By:	D. Baysa										
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as Gas, Diesel, Oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)	Hold		
1 S37-0.5'	12/21/16	2:30 PM	S	8oz		X	X	X							
2 S37-1.5'	12/21/16	2:35 PM	S	8oz								X			
3 S37-2.5'	12/21/16	2:40 PM	S	8oz								X			
4 S38-0.5'	12/21/16	1:15 PM	S	8oz		X	X								
5 S38-1.5'	12/21/16	1:25 PM	S	8oz								X			
6 S38-2.5'	12/21/16	1:30 PM	S	8oz								X			
7 S39-0.5'	12/21/16	2:25 PM	S	8oz		X	X	X							
8 S39-1.5'	12/21/16	2:30 PM	S	8oz								X			
9 S39-2.5'	12/21/16	2:35 PM	S	8oz								X			
10			S												
		Signature	Print Name		Company / Title				Date / Time						
1 Relinquished By:			Danny Baysa		CES Group / Field Supervisor										
1 Received By:			Al Lubrani		CES Group				12-22-16 / 0610						
2 Relinquished By:			Al Lubrani		CES Group				12-22-16 / 1209						
2 Received By:			L. Marchetti						12/22/16 1209						
3 Relinquished By:			L. Marchetti						12/22/16 1253						
3 Received By:			Taylor		EA				12/22/16 1253						

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)					
806 N. Batavia St., Orange, CA 92868		Lab No: 385747		Standard: x		4 Day:	3 Day:		
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 3 of 8		2 Day:		1 Day:	Same Day:		
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water							
SW = Swab W = Water WP = Wipe O = Other									
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments	
Company:	CES Group	Name:	Grant HS					Analyze 0.5' samples. Hold deeper samples.	
Report To:	Skye Green	Number:							
Email:	sgreen@cesgroup.co	P.O. #:	27016						
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.						
	Temecula, CA 92592		Los Angeles, CA 91335						
Phone:	714-398-6363	Global ID:							
Fax:	951-848-9812	Sampled By:	D. Baysa						
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.				
1 S40-0.5'	12/21/16	2:35 PM	S	8oz					
2 S40-1.5'	12/21/16	2:40 PM	S	8oz					
3 S40-2.5'	12/21/16	2:45 PM	S	8oz					
4 S41-0.5'	12/21/16	1:55 PM	S	8oz					
5 S41-1.5'	12/21/16	2:00 PM	S	8oz					
6 S41-2.5'	12/21/16	2:05 PM	S	8oz					
7 S42-0.5'	12/21/16	2:15 PM	S	8oz					
8 S42-1.5'	12/21/16	2:20 PM	S	8oz					
9 S42-2.5'	12/21/16	2:25 PM	S	8oz					
10			S						
Signature		Print Name		Company / Title		Date / Time			
1 Relinquished By:		Danny Baysa		CES Group / Field Supervisor					
1 Received By:		M. Lebrani		CES Group		12-22-16 / 0610			
2 Relinquished By:		M. Lebrani		CES Group		12-22-16 / 1209			
2 Received By:		C. M. M. M.				12/22/16 1209			
3 Relinquished By:		C. M. M. M.				12/22/16 1253			
3 Received By:		T. N. N.		EA		12/22/16 1253			

ENTHALPY ANALYTICAL, INC.				Chain of Custody Record				Turn Around Time (Rush by advanced notice only)							
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933 Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				Lab No: 385747				Standard: x 4 Day: 3 Day:							
				Page: 4 of 8				2 Day: 1 Day: Same Day:							
ENTHALPY analytical inc.				Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other							
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group	Name:	Grant HS												
Report To:	Skye Green	Number:													
Email:	sgreen@cesgroup.co	P.O. #:	27016												
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	18605 Erwin St.												
	Temecula, CA 92592		Tarzana, CA 91335												
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	D. Baysa												
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)	Hold		
1 S44-0.5'	12/21/16	11:34 AM	S	8oz		x	x								
2 S44-1.5'	12/21/16	11:37 AM	S	8oz									x		
3 S44-2.5'	12/21/16	11:40 AM	S	8oz									x		
4 S45-0.5'	12/21/16	11:20 AM	S	8oz		x	x								
5 S45-1.5'	12/21/16	11:25 AM	S	8oz									x		
6 S45-2.5'	12/21/16	11:30 AM	S	8oz									x		
7 S47-0.5'	12/21/16	11:13 AM	S	8oz		x	x								
8 S47-1.5'	12/21/16	11:17 AM	S	8oz									x		
9 S47-2.5'	12/21/16	11:21 AM	S	8oz									x		
10			S												
Signature		Print Name		Company / Title				Date / Time							
1 Relinquished By: [Signature]		Danny Baysa		CES Group/ Field Supervisor				12-22-16 0610							
1 Received By: [Signature]		Ar Labrani		CES Group				12-22-16 1209							
2 Relinquished By: [Signature]		Ar Labrani		CES Group				12/22/16 1859							
2 Received By: [Signature]		C. Marroketi						12/22/16 1253							
3 Relinquished By: [Signature]		C. Marroketi		EA				12/22/16 1253							
3 Received By: [Signature]		T. Nelson						12/22/16 1253							

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)				
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: <u>385747</u>		Standard:	x	4 Day:	3 Day:	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: <u>5</u> of <u>8</u>		2 Day:	1 Day:	Same Day:		
		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other				
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request				Test Instructions / Comments
Company:	CES Group	Name:	Grant HS					Analyze 0.5' samples. Hold deeper samples.
Report To:	Skye Green	Number:						
Email:	<a href="mailto:sgreen@cesgroup.co">sgreen@cesgroup.co</a>	P.O. #:	27016					
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.					
	Temecula, CA 92592		Los Angeles, CA 91335					
Phone:	714-398-6363	Global ID:						
Fax:	951-848-9812	Sampled By:	D. Baysa					
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.		
1 S48-0.5'		12/21/16	10:45 AM	S	8oz			
2 S48-1.5'		12/21/16	10:50 AM	S	8oz			
3 S48-2.5'		12/21/16	11:00 AM	S	8oz			
4 S49-0.5'		12/21/16	11:00 AM	S	8oz			
5 S49-1.5'		12/21/16	11:05 AM	S	8oz			
6 S49-2.5'		12/21/16	11:10 AM	S	8oz			
7 S50/SG4-0.5'		12/21/16	1:55 PM	S	8oz			
8 S50/SG4-1.5'		12/21/16	2:00 PM	S	8oz			
9 S50/SG4-2.5'		12/21/16	2:05 PM	S	8oz			
10				S				
Signature		Print Name		Company / Title		Date / Time		
1 Relinquished By:		Danny Baysa		CES Group / Field Supervisor				
1 Received By:		A. Lubrani		CES Group		12-22-16 / 0610		
2 Relinquished By:		C. Montrose		CES Group		12-22-16 / 1209		
2 Received By:		C. Montrose				12/22/16 1209		
3 Relinquished By:		T. Nuss		CES		12/22/16 1253		
3 Received By:		T. Nuss				12/22/16 1253		

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)			
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: 385747		Standard: x		4 Day:	3 Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: 6 of 8		2 Day:		1 Day:	Same Day:
		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			
CUSTOMER INFORMATION		PROJECT INFORMATION			Analysis Request		Test Instructions / Comments
Company:	CES Group	Name:	Grant HS				Analyze 0.5' samples. Hold deeper samples.
Report To:	Skye Green	Number:					
Email:	sgreen@cesgroup.co	P.O. #:	27016				
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	18605 Erwin St.				
	Temecula, CA 92592		Tarzana, CA 91335				
Phone:	714-398-6363	Global ID:					
Fax:	951-848-9812	Sampled By:	D. Baysa				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.		
1 S51-0.5'	12/21/16	3:45 PM	S	8oz			
2 S51-1.5'	12/21/16	3:50 PM	S	8oz			
3 S51-2.5'	12/21/16	3:55 PM	S	8oz			
4 S53-0.5'	12/21/16	3:40 PM	S	8oz			
5 S53-1.5'	12/21/16	3:50 PM	S	8oz			
6 S53-2.5'	12/21/16	3:55 PM	S	8oz			
7 S54-0.5'	12/21/16	4:00 PM	S	8oz			
8 S54-1.5'	12/21/16	4:05 PM	S	8oz			
9 S54-2.5'	12/21/16	4:10 PM	S	8oz			
10			S				
Signature		Print Name			Company / Title		Date / Time
Relinquished By: [Signature]		Danny Baysa			CES Group / Field Supervisor		
Received By: [Signature]		Al Lubrani			CES Group		12-22-16 / 0610
Relinquished By: [Signature]		Al Lubrani			CES Group		12-22-16 / 1209
Received By: [Signature]		L. Marshall					12/22/16 1209
Relinquished By: [Signature]		L. Marshall					12/22/16 1253
Received By: [Signature]		T. Baysa			EA		12/22/14 1253

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)									
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: <b>385747</b>		Standard: <b>x</b>		4 Day: <b>1</b> Day: <b>1</b> Day: <b>3</b> Day: <b>3</b>							
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: <b>7</b> of <b>8</b>		2 Day: <b>1</b> Day: <b>1</b> Day: <b>3</b> Day: <b>3</b>		Same Day: <b>1</b> Day: <b>1</b> Day: <b>3</b>							
		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other									
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments					
Company:	CES Group	Name:	Grant HS										
Report To:	Skye Green	Number:											
Email:	sgreen@cesgroup.co	P.O. #:	27016										
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.										
	Temecula, CA 92592		Los Angeles, CA 91335										
Phone:	714-398-6363	Global ID:											
Fax:	951-848-9812	Sampled By:	D. Baysa										
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60108)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)	Hold
1 S56-0.5'	12/21/16	4:15 PM	S	8oz		x	x						
2 S56-1.5'	12/21/16	4:20 PM	S	8oz									x
3 S56-2.5'	12/21/16	4:25 PM	S	8oz									x
4 S57-0.5'	12/21/16	4:20 PM	S	8oz		x	x						
5 S57-1.5'	12/21/16	4:25 PM	S	8oz									x
6 S57-2.5'	12/21/16	4:30 PM	S	8oz									x
7 S58-0.5'	12/21/16	4:00 PM	S	8oz		x	x						
8 S58-1.5'	12/21/16	4:05 PM	S	8oz									x
9 S58-2.5'	12/21/16	4:10 PM	S	8oz									x
10			S										
Signature		Print Name		Company / Title		Date / Time							
		Danny Baysa		CES Group/ Field Supervisor									
		Al Lubrani		CES GROUP		12-22-16 / 0610							
		Al Lubrani		CES GROUP		12-22-16 / 1209							
		L. Maradehi				12/22/16 1209							
		L. Maradehi				12/22/16 1253							
		Taylor D.		EA		12/22/16 1253							

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)											
806 N. Batavia St., Orange, CA 92868		Lab No: 385747		Standard: x		3 Day:									
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 8 of 8		2 Day:		1 Day:									
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other											
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group	Name:	Grant HS												
Report To:	Skye Green	Number:													
Email:	sgreen@cesgroup.co	P.O. #:													
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	18605 Erwin St.												
	Temecula, CA 92592		Tarzana, CA 91335												
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	D. Baysa												
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)	Hold		
1 S53D-0.5'	12/21/16	3:45 PM	S	8oz		x									
2			S	8oz											
3 S2/SG2	12/21/16	1:00 PM	S	8oz											
4 S2/SG2-1.5'	12/21/16	1:05 PM	S	8oz											
5 S2/SG2-2.5'	12/21/16	1:10 PM	S	8oz											
6			S												
7			S												
8			S												
9			S												
10			S												
Signature				Print Name				Company / Title				Date / Time			
1 Relinquished By: [Signature]				Danny Baysa				CES Group/ Field Supervisor							
1 Received By: [Signature]				Al Lubrani				CES Group				12-22-16 10610			
2 Relinquished By: [Signature]				Al Lubrani				CES Group				12-22-16 1209			
2 Received By: [Signature]				L. Macarotti								12/22/16 1257			
3 Relinquished By: [Signature]				L. Macarotti								12/22/16 1257			
3 Received By: [Signature]				E. Nava				FA				12/22/16 1253			



## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES GROUP Project: GRANT HS.  
Date Received: 12/22/16 Sampler's Name Present: Yes No  
Sample(s) received in a cooler? Yes How many? 1 No (skip section 2) Sample Temp (°C):  
Sample Temp (°C) from each cooler: #1: 13.9°C #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)  
Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_  
Cooler Temp (°C): #1: 1.8°C #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample IDs present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sampling dates & times present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a relinquished signature present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were the tests required clearly indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If Yes – were they intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were all samples sealed in plastic bags?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was there headspace in VOA vials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Section 4

Explanations/Comments: LAST 2 SAMPLES DO NOT HAVE IDS

### Section 5

For discrepancies, how was the Project Manager notified? Verbal PM Initials: WY Date/Time: 12/22/16  
Email (email sent to/on): \_\_\_\_\_  
Project Manager's response: \_\_\_\_\_

Completed By: Taylor Date: 12/22/16



## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Thursday, January 05, 2017 9:49 AM  
**To:** Ranjit Clarke  
**Cc:** 'Danny Baysa'  
**Subject:** RE: Enthalpy Analytical Final Report #385747

Ranjit,  
Please run STLC analysis on S47-0.5' Lead result of 56.6 mg/kg. We will stick with normal turnaround time.  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Wednesday, January 4, 2017 4:13 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Enthalpy Analytical Final Report #385747

Hi Skye Green,

Attached is your final report #385747.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Thursday, January 12, 2017 12:47 PM  
**To:** Ranjit Clarke  
**Subject:** RE: Grant HS (12/21/16) - Enthalpy Analytical Final Report #385747 - Supplemental report 1

Hi Ranjit,

I also need the lead result for the deeper sample S47-1.5'. Is that on your radar already?

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Thursday, January 12, 2017 10:52 AM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); 'Danny Baysa' <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Grant HS (12/21/16) - Enthalpy Analytical Final Report #385747 - Supplemental report 1

Hi Skye Green,

Attached is your final report #385747. Supplemental report 1. STLC Pb for S47-0.5' is now included.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## Enthalpy Analytical, Inc.

### Formerly Associated Labs

806 N. Batavia - Orange, CA 92868  
Tel: (714)771-6900 Fax: (714)538-1209  
www.associatedlabs.com  
info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 385824  
Report Date: 01/12/2017  
Date Received: 12/24/2016  
Client ID: 15581

Comments: Grant HS  
PO# 27016  
13000 Oxnard St., Los Angeles, CA 91335

Supplemental Report 1 - Reporting units changed to ug/m3.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

---

<u>Sample #</u>	<u>Client Sample ID</u>
-----------------	-------------------------

385824-001	S1/SG1-5'
385824-002	S1-SG1-10'
385824-003	S2/SG2-5'
385824-004	S2/SG2-10'
385824-005	S3/SG3-5'
385824-006	S3/SG3-10'
385824-007	S50/SG4-5'
385824-008	S50/SG4-10'

---

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:45	<b>Site:</b>	
<b>Sample #:</b> <u>385824-001</u>	<b>Client Sample #:</b> S1/SG1-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1173907	
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3		12/28/16 15:14	ZZ
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3		12/28/16 15:14	ZZ
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3		12/28/16 15:14	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3		12/28/16 15:14	ZZ
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3		12/28/16 15:14	ZZ
1,1-Dichloroethene	ND	1	2.4	4	ug/m3		12/28/16 15:14	ZZ
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3		12/28/16 15:14	ZZ
1,2,4-Trimethylbenzene	ND	1	2	4.9	ug/m3		12/28/16 15:14	ZZ
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3		12/28/16 15:14	ZZ
1,2-Dichlorobenzene	ND	1	36	60	ug/m3		12/28/16 15:14	ZZ
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3		12/28/16 15:14	ZZ
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3		12/28/16 15:14	ZZ
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3		12/28/16 15:14	ZZ
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3		12/28/16 15:14	ZZ
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3		12/28/16 15:14	ZZ
4-Ethyltoluene	ND	1	2.5	4.9	ug/m3		12/28/16 15:14	ZZ
Benzene	ND	1	1	3.2	ug/m3		12/28/16 15:14	ZZ
Bromodichloromethane	ND	1	2.7	6.7	ug/m3		12/28/16 15:14	ZZ
Bromoform	ND	1	4.1	10.3	ug/m3		12/28/16 15:14	ZZ
Bromomethane	ND	1	3.1	3.9	ug/m3		12/28/16 15:14	ZZ
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3		12/28/16 15:14	ZZ
Chlorobenzene	ND	1	1.8	4.6	ug/m3		12/28/16 15:14	ZZ
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3		12/28/16 15:14	ZZ
Chloroethane	ND	1	13	13	ug/m3		12/28/16 15:14	ZZ
Chloroform	ND	1	4.9	4.9	ug/m3		12/28/16 15:14	ZZ
Chloromethane	ND	1	10.5	10.5	ug/m3		12/28/16 15:14	ZZ
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3		12/28/16 15:14	ZZ
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3		12/28/16 15:14	ZZ
Dichlorodifluoromethane	ND	1	2.5	4.9	ug/m3		12/28/16 15:14	ZZ
Ethylbenzene	ND	1	1.7	4.3	ug/m3		12/28/16 15:14	ZZ
m and p-Xylene	ND	1	1.7	4.3	ug/m3		12/28/16 15:14	ZZ
Methylene chloride	ND	1	3.5	3.5	ug/m3		12/28/16 15:14	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3		12/28/16 15:14	ZZ
o-Xylene	ND	1	2.2	4.3	ug/m3		12/28/16 15:14	ZZ
Styrene	ND	1	1.3	4.3	ug/m3		12/28/16 15:14	ZZ
Tetrachloroethene	ND	1	2.7	6.8	ug/m3		12/28/16 15:14	ZZ
Toluene	ND	1	1.5	3.8	ug/m3		12/28/16 15:14	ZZ B
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3		12/28/16 15:14	ZZ
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3		12/28/16 15:14	ZZ
Trichloroethene	ND	1	1.6	5.4	ug/m3		12/28/16 15:14	ZZ
<b>Trichlorofluoromethane</b>	<b>45.5</b>	1	1.7	5.6	ug/m3		12/28/16 15:14	ZZ
Vinyl Chloride	ND	1	1	2.6	ug/m3		12/28/16 15:14	ZZ
Xylenes (Total)	ND	1	2.2	4.3	ug/m3		12/28/16 15:14	ZZ

<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 12:05	<b>Site:</b>	
<b>Sample #:</b> 385824-002	<b>Client Sample #:</b> S1-SG1-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1173906	
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3	12/27/16 15:48	ZZ	
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3	12/27/16 15:48	ZZ	
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3	12/27/16 15:48	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3	12/27/16 15:48	ZZ	
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3	12/27/16 15:48	ZZ	
1,1-Dichloroethene	ND	1	2.4	4	ug/m3	12/27/16 15:48	ZZ	
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3	12/27/16 15:48	ZZ	
1,2,4-Trimethylbenzene	ND	1	2	4.9	ug/m3	12/27/16 15:48	ZZ	
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3	12/27/16 15:48	ZZ	
1,2-Dichlorobenzene	ND	1	36	60	ug/m3	12/27/16 15:48	ZZ	
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3	12/27/16 15:48	ZZ	
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3	12/27/16 15:48	ZZ	
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3	12/27/16 15:48	ZZ	
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 15:48	ZZ	
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 15:48	ZZ	
<b>4-Ethyltoluene</b>	<b>5.9</b>	1	2.5	4.9	ug/m3	12/27/16 15:48	ZZ	
<b>Benzene</b>	<b>1.3 J</b>	1	1	3.2	ug/m3	12/27/16 15:48	ZZ	J
Bromodichloromethane	ND	1	2.7	6.7	ug/m3	12/27/16 15:48	ZZ	
Bromoform	ND	1	4.1	10.3	ug/m3	12/27/16 15:48	ZZ	
Bromomethane	ND	1	3.1	3.9	ug/m3	12/27/16 15:48	ZZ	
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3	12/27/16 15:48	ZZ	
Chlorobenzene	ND	1	1.8	4.6	ug/m3	12/27/16 15:48	ZZ	
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3	12/27/16 15:48	ZZ	
Chloroethane	ND	1	13	13	ug/m3	12/27/16 15:48	ZZ	
Chloroform	ND	1	4.9	4.9	ug/m3	12/27/16 15:48	ZZ	
Chloromethane	ND	1	10.5	10.5	ug/m3	12/27/16 15:48	ZZ	
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 15:48	ZZ	
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3	12/27/16 15:48	ZZ	
<b>Dichlorodifluoromethane</b>	<b>3.5 J</b>	1	2.5	4.9	ug/m3	12/27/16 15:48	ZZ	J
<b>Ethylbenzene</b>	<b>6.5</b>	1	1.7	4.3	ug/m3	12/27/16 15:48	ZZ	
<b>m and p-Xylene</b>	<b>14.8</b>	1	1.7	4.3	ug/m3	12/27/16 15:48	ZZ	
Methylene chloride	ND	1	3.5	3.5	ug/m3	12/27/16 15:48	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3	12/27/16 15:48	ZZ	
<b>o-Xylene</b>	<b>4.3</b>	1	2.2	4.3	ug/m3	12/27/16 15:48	ZZ	
<b>Styrene</b>	<b>30.2</b>	1	1.3	4.3	ug/m3	12/27/16 15:48	ZZ	
<b>Tetrachloroethene</b>	<b>8.1</b>	1	2.7	6.8	ug/m3	12/27/16 15:48	ZZ	
<b>Toluene</b>	<b>13.2</b>	1	1.5	3.8	ug/m3	12/27/16 15:48	ZZ	
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 15:48	ZZ	
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3	12/27/16 15:48	ZZ	
Trichloroethene	ND	1	1.6	5.4	ug/m3	12/27/16 15:48	ZZ	
<b>Trichlorofluoromethane</b>	<b>130</b>	1	1.7	5.6	ug/m3	12/27/16 15:48	ZZ	
Vinyl Chloride	ND	1	1	2.6	ug/m3	12/27/16 15:48	ZZ	
<b>Xylenes (Total)</b>	<b>19.1</b>	1	2.2	4.3	ug/m3	12/27/16 15:48	ZZ	

<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 13:30	<b>Site:</b>	
<b>Sample #:</b> 385824-003	<b>Client Sample #:</b> S2/SG2-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1173906	
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3	12/27/16 16:35	ZZ	
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3	12/27/16 16:35	ZZ	
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3	12/27/16 16:35	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3	12/27/16 16:35	ZZ	
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3	12/27/16 16:35	ZZ	
1,1-Dichloroethene	ND	1	2.4	4	ug/m3	12/27/16 16:35	ZZ	
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3	12/27/16 16:35	ZZ	
<b>1,2,4-Trimethylbenzene</b>	<b>2.9 J</b>	1	2	4.9	ug/m3	12/27/16 16:35	ZZ	J
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3	12/27/16 16:35	ZZ	
1,2-Dichlorobenzene	ND	1	36	60	ug/m3	12/27/16 16:35	ZZ	
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3	12/27/16 16:35	ZZ	
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3	12/27/16 16:35	ZZ	
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3	12/27/16 16:35	ZZ	
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 16:35	ZZ	
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 16:35	ZZ	
<b>4-Ethyltoluene</b>	<b>7.9</b>	1	2.5	4.9	ug/m3	12/27/16 16:35	ZZ	
<b>Benzene</b>	<b>3.2</b>	1	1	3.2	ug/m3	12/27/16 16:35	ZZ	
Bromodichloromethane	ND	1	2.7	6.7	ug/m3	12/27/16 16:35	ZZ	
Bromoform	ND	1	4.1	10.3	ug/m3	12/27/16 16:35	ZZ	
Bromomethane	ND	1	3.1	3.9	ug/m3	12/27/16 16:35	ZZ	
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3	12/27/16 16:35	ZZ	
Chlorobenzene	ND	1	1.8	4.6	ug/m3	12/27/16 16:35	ZZ	
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3	12/27/16 16:35	ZZ	
Chloroethane	ND	1	13	13	ug/m3	12/27/16 16:35	ZZ	
Chloroform	ND	1	4.9	4.9	ug/m3	12/27/16 16:35	ZZ	
Chloromethane	ND	1	10.5	10.5	ug/m3	12/27/16 16:35	ZZ	
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 16:35	ZZ	
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3	12/27/16 16:35	ZZ	
<b>Dichlorodifluoromethane</b>	<b>3.0 J</b>	1	2.5	4.9	ug/m3	12/27/16 16:35	ZZ	J
<b>Ethylbenzene</b>	<b>10.4</b>	1	1.7	4.3	ug/m3	12/27/16 16:35	ZZ	
<b>m and p-Xylene</b>	<b>43.8</b>	1	1.7	4.3	ug/m3	12/27/16 16:35	ZZ	
Methylene chloride	ND	1	3.5	3.5	ug/m3	12/27/16 16:35	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3	12/27/16 16:35	ZZ	
<b>o-Xylene</b>	<b>11.3</b>	1	2.2	4.3	ug/m3	12/27/16 16:35	ZZ	
<b>Styrene</b>	<b>10.6</b>	1	1.3	4.3	ug/m3	12/27/16 16:35	ZZ	
<b>Tetrachloroethene</b>	<b>4.1 J</b>	1	2.7	6.8	ug/m3	12/27/16 16:35	ZZ	J
<b>Toluene</b>	<b>38.8</b>	1	1.5	3.8	ug/m3	12/27/16 16:35	ZZ	
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 16:35	ZZ	
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3	12/27/16 16:35	ZZ	
Trichloroethene	ND	1	1.6	5.4	ug/m3	12/27/16 16:35	ZZ	
<b>Trichlorofluoromethane</b>	<b>37.7</b>	1	1.7	5.6	ug/m3	12/27/16 16:35	ZZ	
Vinyl Chloride	ND	1	1	2.6	ug/m3	12/27/16 16:35	ZZ	
<b>Xylenes (Total)</b>	<b>55.1</b>	1	2.2	4.3	ug/m3	12/27/16 16:35	ZZ	

<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 13:50	<b>Site:</b>	
<b>Sample #:</b> 385824-004	<b>Client Sample #:</b> S2/SG2-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1173906	
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3	12/27/16 17:22	ZZ	
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3	12/27/16 17:22	ZZ	
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3	12/27/16 17:22	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3	12/27/16 17:22	ZZ	
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3	12/27/16 17:22	ZZ	
1,1-Dichloroethene	ND	1	2.4	4	ug/m3	12/27/16 17:22	ZZ	
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3	12/27/16 17:22	ZZ	
1,2,4-Trimethylbenzene	ND	1	2	4.9	ug/m3	12/27/16 17:22	ZZ	
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3	12/27/16 17:22	ZZ	
1,2-Dichlorobenzene	ND	1	36	60	ug/m3	12/27/16 17:22	ZZ	
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3	12/27/16 17:22	ZZ	
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3	12/27/16 17:22	ZZ	
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3	12/27/16 17:22	ZZ	
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 17:22	ZZ	
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 17:22	ZZ	
<b>4-Ethyltoluene</b>	<b>2.9 J</b>	1	2.5	4.9	ug/m3	12/27/16 17:22	ZZ	J
Benzene	ND	1	1	3.2	ug/m3	12/27/16 17:22	ZZ	
Bromodichloromethane	ND	1	2.7	6.7	ug/m3	12/27/16 17:22	ZZ	
Bromoform	ND	1	4.1	10.3	ug/m3	12/27/16 17:22	ZZ	
Bromomethane	ND	1	3.1	3.9	ug/m3	12/27/16 17:22	ZZ	
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3	12/27/16 17:22	ZZ	
Chlorobenzene	ND	1	1.8	4.6	ug/m3	12/27/16 17:22	ZZ	
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3	12/27/16 17:22	ZZ	
Chloroethane	ND	1	13	13	ug/m3	12/27/16 17:22	ZZ	
Chloroform	ND	1	4.9	4.9	ug/m3	12/27/16 17:22	ZZ	
Chloromethane	ND	1	10.5	10.5	ug/m3	12/27/16 17:22	ZZ	
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 17:22	ZZ	
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3	12/27/16 17:22	ZZ	
<b>Dichlorodifluoromethane</b>	<b>3.0 J</b>	1	2.5	4.9	ug/m3	12/27/16 17:22	ZZ	J
<b>Ethylbenzene</b>	<b>3.9 J</b>	1	1.7	4.3	ug/m3	12/27/16 17:22	ZZ	J
<b>m and p-Xylene</b>	<b>11.3</b>	1	1.7	4.3	ug/m3	12/27/16 17:22	ZZ	
Methylene chloride	ND	1	3.5	3.5	ug/m3	12/27/16 17:22	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3	12/27/16 17:22	ZZ	
<b>o-Xylene</b>	<b>3.0 J</b>	1	2.2	4.3	ug/m3	12/27/16 17:22	ZZ	J
<b>Styrene</b>	<b>12.4</b>	1	1.3	4.3	ug/m3	12/27/16 17:22	ZZ	
<b>Tetrachloroethene</b>	<b>3.4 J</b>	1	2.7	6.8	ug/m3	12/27/16 17:22	ZZ	J
<b>Toluene</b>	<b>9.4</b>	1	1.5	3.8	ug/m3	12/27/16 17:22	ZZ	
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 17:22	ZZ	
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3	12/27/16 17:22	ZZ	
Trichloroethene	ND	1	1.6	5.4	ug/m3	12/27/16 17:22	ZZ	
<b>Trichlorofluoromethane</b>	<b>46.6</b>	1	1.7	5.6	ug/m3	12/27/16 17:22	ZZ	
Vinyl Chloride	ND	1	1	2.6	ug/m3	12/27/16 17:22	ZZ	
<b>Xylenes (Total)</b>	<b>14.3</b>	1	2.2	4.3	ug/m3	12/27/16 17:22	ZZ	

<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:25	<b>Site:</b>	
<b>Sample #:</b> 385824-005	<b>Client Sample #:</b> S3/SG3-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1173906	
1,1,1-Trichloroethane	ND	2	2.2	11	ug/m3	12/27/16 18:06	ZZ	
1,1,2,2-Tetrachloroethane	ND	2	8.2	13.8	ug/m3	12/27/16 18:06	ZZ	
1,1,2-Trichloroethane	ND	2	3.4	11	ug/m3	12/27/16 18:06	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	2	6.2	15.4	ug/m3	12/27/16 18:06	ZZ	
1,1-Dichloroethane	ND	2	2.4	8.2	ug/m3	12/27/16 18:06	ZZ	
1,1-Dichloroethene	ND	2	4.8	8	ug/m3	12/27/16 18:06	ZZ	
1,2,4-Trichlorobenzene	ND	2	7.4	14.8	ug/m3	12/27/16 18:06	ZZ	
1,2,4-Trimethylbenzene	ND	2	4	9.8	ug/m3	12/27/16 18:06	ZZ	
1,2-Dibromoethane	ND	2	7.8	15.4	ug/m3	12/27/16 18:06	ZZ	
1,2-Dichlorobenzene	ND	2	72	120	ug/m3	12/27/16 18:06	ZZ	
1,2-Dichloroethane	ND	2	3.2	8.2	ug/m3	12/27/16 18:06	ZZ	
1,2-Dichloropropane	ND	2	3.6	9.2	ug/m3	12/27/16 18:06	ZZ	
1,3,5-Trimethylbenzene	ND	2	9.8	9.8	ug/m3	12/27/16 18:06	ZZ	
1,3-Dichlorobenzene	ND	2	7.2	12	ug/m3	12/27/16 18:06	ZZ	
1,4-Dichlorobenzene	ND	2	7.2	12	ug/m3	12/27/16 18:06	ZZ	
4-Ethyltoluene	ND	2	5	9.8	ug/m3	12/27/16 18:06	ZZ	
Benzene	ND	2	2	6.4	ug/m3	12/27/16 18:06	ZZ	
Bromodichloromethane	ND	2	5.4	13.4	ug/m3	12/27/16 18:06	ZZ	
Bromoform	ND	2	8.2	20.6	ug/m3	12/27/16 18:06	ZZ	
Bromomethane	ND	2	6.2	7.8	ug/m3	12/27/16 18:06	ZZ	
Carbon Tetrachloride	ND	2	3.8	12.6	ug/m3	12/27/16 18:06	ZZ	
Chlorobenzene	ND	2	3.6	9.2	ug/m3	12/27/16 18:06	ZZ	
Chlorodibromomethane	ND	2	6.8	17	ug/m3	12/27/16 18:06	ZZ	
Chloroethane	ND	2	26	26	ug/m3	12/27/16 18:06	ZZ	
Chloroform	ND	2	9.8	9.8	ug/m3	12/27/16 18:06	ZZ	
Chloromethane	ND	2	21	21	ug/m3	12/27/16 18:06	ZZ	
cis-1,2-Dichloroethene	ND	2	6.4	8	ug/m3	12/27/16 18:06	ZZ	
cis-1,3-dichloropropene	ND	2	3.6	9	ug/m3	12/27/16 18:06	ZZ	
Dichlorodifluoromethane	ND	2	5	9.8	ug/m3	12/27/16 18:06	ZZ	
<b>Ethylbenzene</b>	<b>5.2 J</b>	2	3.4	8.6	ug/m3	12/27/16 18:06	ZZ	J
<b>m and p-Xylene</b>	<b>20.0</b>	2	3.4	8.6	ug/m3	12/27/16 18:06	ZZ	
Methylene chloride	ND	2	7	7	ug/m3	12/27/16 18:06	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	2	2.8	7.2	ug/m3	12/27/16 18:06	ZZ	
<b>o-Xylene</b>	<b>6.9 J</b>	2	4.4	8.6	ug/m3	12/27/16 18:06	ZZ	J
<b>Styrene</b>	<b>6.8 J</b>	2	2.6	8.6	ug/m3	12/27/16 18:06	ZZ	J
Tetrachloroethene	ND	2	5.4	13.6	ug/m3	12/27/16 18:06	ZZ	
<b>Toluene</b>	<b>9.8</b>	2	3	7.6	ug/m3	12/27/16 18:06	ZZ	
trans-1,2-dichloroethene	ND	2	6.4	8	ug/m3	12/27/16 18:06	ZZ	
trans-1,3-dichloropropene	ND	2	2.4	8	ug/m3	12/27/16 18:06	ZZ	
Trichloroethene	ND	2	3.2	10.8	ug/m3	12/27/16 18:06	ZZ	
Trichlorofluoromethane	ND	2	3.4	11.2	ug/m3	12/27/16 18:06	ZZ	
Vinyl Chloride	ND	2	2	5.2	ug/m3	12/27/16 18:06	ZZ	
<b>Xylenes (Total)</b>	<b>26.9</b>	2	4.4	8.6	ug/m3	12/27/16 18:06	ZZ	



<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> 385824-006	<b>Client Sample #:</b> S3/SG3-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1174048	
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3	01/04/17 11:17	ZZ	
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3	01/04/17 11:17	ZZ	
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3	01/04/17 11:17	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3	01/04/17 11:17	ZZ	
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3	01/04/17 11:17	ZZ	
1,1-Dichloroethene	ND	1	2.4	4	ug/m3	01/04/17 11:17	ZZ	
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3	01/04/17 11:17	ZZ	
1,2,4-Trimethylbenzene	ND	1	2	4.9	ug/m3	01/04/17 11:17	ZZ	
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3	01/04/17 11:17	ZZ	
1,2-Dichlorobenzene	ND	1	36	60	ug/m3	01/04/17 11:17	ZZ	
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3	01/04/17 11:17	ZZ	
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3	01/04/17 11:17	ZZ	
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3	01/04/17 11:17	ZZ	
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3	01/04/17 11:17	ZZ	
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3	01/04/17 11:17	ZZ	
4-Ethyltoluene	ND	1	2.5	4.9	ug/m3	01/04/17 11:17	ZZ	
<b>Benzene</b>	<b>1.6 J</b>	1	1	3.2	ug/m3	01/04/17 11:17	ZZ	J
Bromodichloromethane	ND	1	2.7	6.7	ug/m3	01/04/17 11:17	ZZ	
Bromoform	ND	1	4.1	10.3	ug/m3	01/04/17 11:17	ZZ	
Bromomethane	ND	1	3.1	3.9	ug/m3	01/04/17 11:17	ZZ	
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3	01/04/17 11:17	ZZ	
Chlorobenzene	ND	1	1.8	4.6	ug/m3	01/04/17 11:17	ZZ	
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3	01/04/17 11:17	ZZ	
Chloroethane	ND	1	13	13	ug/m3	01/04/17 11:17	ZZ	
Chloroform	ND	1	4.9	4.9	ug/m3	01/04/17 11:17	ZZ	
Chloromethane	ND	1	10.5	10.5	ug/m3	01/04/17 11:17	ZZ	
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3	01/04/17 11:17	ZZ	
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3	01/04/17 11:17	ZZ	
Dichlorodifluoromethane	ND	1	2.5	4.9	ug/m3	01/04/17 11:17	ZZ	
<b>Ethylbenzene</b>	<b>3.5 J</b>	1	1.7	4.3	ug/m3	01/04/17 11:17	ZZ	J
<b>m and p-Xylene</b>	<b>16.9</b>	1	1.7	4.3	ug/m3	01/04/17 11:17	ZZ	
Methylene chloride	ND	1	3.5	3.5	ug/m3	01/04/17 11:17	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3	01/04/17 11:17	ZZ	
<b>o-Xylene</b>	<b>5.2</b>	1	2.2	4.3	ug/m3	01/04/17 11:17	ZZ	
<b>Styrene</b>	<b>6.0</b>	1	1.3	4.3	ug/m3	01/04/17 11:17	ZZ	
Tetrachloroethene	ND	1	2.7	6.8	ug/m3	01/04/17 11:17	ZZ	
<b>Toluene</b>	<b>7.5</b>	1	1.5	3.8	ug/m3	01/04/17 11:17	ZZ	
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3	01/04/17 11:17	ZZ	
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3	01/04/17 11:17	ZZ	
Trichloroethene	ND	1	1.6	5.4	ug/m3	01/04/17 11:17	ZZ	
Trichlorofluoromethane	ND	1	1.7	5.6	ug/m3	01/04/17 11:17	ZZ	
Vinyl Chloride	ND	1	1	2.6	ug/m3	01/04/17 11:17	ZZ	
<b>Xylenes (Total)</b>	<b>22.1</b>	1	2.2	4.3	ug/m3	01/04/17 11:17	ZZ	

<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:40	<b>Site:</b>	
<b>Sample #:</b> <u>385824-007</u>	<b>Client Sample #:</b> S50/SG4-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1174048	
1,1,1-Trichloroethane	ND	2	2.2	11	ug/m3		01/04/17 12:04	ZZ
1,1,2,2-Tetrachloroethane	ND	2	8.2	13.8	ug/m3		01/04/17 12:04	ZZ
1,1,2-Trichloroethane	ND	2	3.4	11	ug/m3		01/04/17 12:04	ZZ
1,1,2-Trichlorotrifluoroethane	ND	2	6.2	15.4	ug/m3		01/04/17 12:04	ZZ
1,1-Dichloroethane	ND	2	2.4	8.2	ug/m3		01/04/17 12:04	ZZ
1,1-Dichloroethene	ND	2	4.8	8	ug/m3		01/04/17 12:04	ZZ
1,2,4-Trichlorobenzene	ND	2	7.4	14.8	ug/m3		01/04/17 12:04	ZZ
1,2,4-Trimethylbenzene	ND	2	4	9.8	ug/m3		01/04/17 12:04	ZZ
1,2-Dibromoethane	ND	2	7.8	15.4	ug/m3		01/04/17 12:04	ZZ
1,2-Dichlorobenzene	ND	2	72	120	ug/m3		01/04/17 12:04	ZZ
1,2-Dichloroethane	ND	2	3.2	8.2	ug/m3		01/04/17 12:04	ZZ
1,2-Dichloropropane	ND	2	3.6	9.2	ug/m3		01/04/17 12:04	ZZ
1,3,5-Trimethylbenzene	ND	2	9.8	9.8	ug/m3		01/04/17 12:04	ZZ
1,3-Dichlorobenzene	ND	2	7.2	12	ug/m3		01/04/17 12:04	ZZ
1,4-Dichlorobenzene	ND	2	7.2	12	ug/m3		01/04/17 12:04	ZZ
4-Ethyltoluene	ND	2	5	9.8	ug/m3		01/04/17 12:04	ZZ
Benzene	ND	2	2	6.4	ug/m3		01/04/17 12:04	ZZ
Bromodichloromethane	ND	2	5.4	13.4	ug/m3		01/04/17 12:04	ZZ
Bromoform	ND	2	8.2	20.6	ug/m3		01/04/17 12:04	ZZ
Bromomethane	ND	2	6.2	7.8	ug/m3		01/04/17 12:04	ZZ
Carbon Tetrachloride	ND	2	3.8	12.6	ug/m3		01/04/17 12:04	ZZ
Chlorobenzene	ND	2	3.6	9.2	ug/m3		01/04/17 12:04	ZZ
Chlorodibromomethane	ND	2	6.8	17	ug/m3		01/04/17 12:04	ZZ
Chloroethane	ND	2	26	26	ug/m3		01/04/17 12:04	ZZ
Chloroform	ND	2	9.8	9.8	ug/m3		01/04/17 12:04	ZZ
Chloromethane	ND	2	21	21	ug/m3		01/04/17 12:04	ZZ
cis-1,2-Dichloroethene	ND	2	6.4	8	ug/m3		01/04/17 12:04	ZZ
cis-1,3-dichloropropene	ND	2	3.6	9	ug/m3		01/04/17 12:04	ZZ
Dichlorodifluoromethane	ND	2	5	9.8	ug/m3		01/04/17 12:04	ZZ
<b>Ethylbenzene</b>	<b>5.2 J</b>	2	3.4	8.6	ug/m3		01/04/17 12:04	ZZ J
<b>m and p-Xylene</b>	<b>21.7</b>	2	3.4	8.6	ug/m3		01/04/17 12:04	ZZ
Methylene chloride	ND	2	7	7	ug/m3		01/04/17 12:04	ZZ
Methyl-t-butyl Ether (MTBE)	ND	2	2.8	7.2	ug/m3		01/04/17 12:04	ZZ
<b>o-Xylene</b>	<b>6.1 J</b>	2	4.4	8.6	ug/m3		01/04/17 12:04	ZZ J
<b>Styrene</b>	<b>5.1 J</b>	2	2.6	8.6	ug/m3		01/04/17 12:04	ZZ J
<b>Tetrachloroethene</b>	<b>19.0</b>	2	5.4	13.6	ug/m3		01/04/17 12:04	ZZ
<b>Toluene</b>	<b>15.1</b>	2	3	7.6	ug/m3		01/04/17 12:04	ZZ
trans-1,2-dichloroethene	ND	2	6.4	8	ug/m3		01/04/17 12:04	ZZ
trans-1,3-dichloropropene	ND	2	2.4	8	ug/m3		01/04/17 12:04	ZZ
Trichloroethene	ND	2	3.2	10.8	ug/m3		01/04/17 12:04	ZZ
<b>Trichlorofluoromethane</b>	<b>296</b>	2	3.4	11.2	ug/m3		01/04/17 12:04	ZZ
Vinyl Chloride	ND	2	2	5.2	ug/m3		01/04/17 12:04	ZZ
<b>Xylenes (Total)</b>	<b>27.8</b>	2	4.4	8.6	ug/m3		01/04/17 12:04	ZZ

<b>Matrix:</b> Air	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:05	<b>Site:</b>	
<b>Sample #:</b> 385824-008	<b>Client Sample #:</b> S50/SG4-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1174048	
1,1,1-Trichloroethane	ND	2.5	2.75	13.75	ug/m3		01/04/17 12:48	ZZ
1,1,2,2-Tetrachloroethane	ND	2.5	10.25	17.25	ug/m3		01/04/17 12:48	ZZ
1,1,2-Trichloroethane	ND	2.5	4.25	13.75	ug/m3		01/04/17 12:48	ZZ
1,1,2-Trichlorotrifluoroethane	ND	2.5	7.75	19.25	ug/m3		01/04/17 12:48	ZZ
1,1-Dichloroethane	ND	2.5	3	10.25	ug/m3		01/04/17 12:48	ZZ
1,1-Dichloroethene	ND	2.5	6	10	ug/m3		01/04/17 12:48	ZZ
1,2,4-Trichlorobenzene	ND	2.5	9.25	18.5	ug/m3		01/04/17 12:48	ZZ
1,2,4-Trimethylbenzene	ND	2.5	5	12.25	ug/m3		01/04/17 12:48	ZZ
1,2-Dibromoethane	ND	2.5	9.75	19.25	ug/m3		01/04/17 12:48	ZZ
1,2-Dichlorobenzene	ND	2.5	90	150	ug/m3		01/04/17 12:48	ZZ
1,2-Dichloroethane	ND	2.5	4	10.25	ug/m3		01/04/17 12:48	ZZ
1,2-Dichloropropane	ND	2.5	4.5	11.5	ug/m3		01/04/17 12:48	ZZ
1,3,5-Trimethylbenzene	ND	2.5	12.25	12.25	ug/m3		01/04/17 12:48	ZZ
1,3-Dichlorobenzene	ND	2.5	9	15	ug/m3		01/04/17 12:48	ZZ
1,4-Dichlorobenzene	ND	2.5	9	15	ug/m3		01/04/17 12:48	ZZ
4-Ethyltoluene	ND	2.5	6.25	12.25	ug/m3		01/04/17 12:48	ZZ
Benzene	ND	2.5	2.5	8	ug/m3		01/04/17 12:48	ZZ
Bromodichloromethane	ND	2.5	6.75	16.75	ug/m3		01/04/17 12:48	ZZ
Bromoform	ND	2.5	10.25	25.75	ug/m3		01/04/17 12:48	ZZ
Bromomethane	ND	2.5	7.75	9.75	ug/m3		01/04/17 12:48	ZZ
Carbon Tetrachloride	ND	2.5	4.75	15.75	ug/m3		01/04/17 12:48	ZZ
Chlorobenzene	ND	2.5	4.5	11.5	ug/m3		01/04/17 12:48	ZZ
Chlorodibromomethane	ND	2.5	8.5	21.25	ug/m3		01/04/17 12:48	ZZ
Chloroethane	ND	2.5	32.5	32.5	ug/m3		01/04/17 12:48	ZZ
Chloroform	ND	2.5	12.25	12.25	ug/m3		01/04/17 12:48	ZZ
Chloromethane	ND	2.5	26.25	26.25	ug/m3		01/04/17 12:48	ZZ
cis-1,2-Dichloroethene	ND	2.5	8	10	ug/m3		01/04/17 12:48	ZZ
cis-1,3-dichloropropene	ND	2.5	4.5	11.25	ug/m3		01/04/17 12:48	ZZ
Dichlorodifluoromethane	ND	2.5	6.25	12.25	ug/m3		01/04/17 12:48	ZZ
Ethylbenzene	ND	2.5	4.25	10.75	ug/m3		01/04/17 12:48	ZZ
<b>m and p-Xylene</b>	<b>13.0</b>	2.5	4.25	10.75	ug/m3		01/04/17 12:48	ZZ
Methylene chloride	ND	2.5	8.75	8.75	ug/m3		01/04/17 12:48	ZZ
Methyl-t-butyl Ether (MTBE)	ND	2.5	3.5	9	ug/m3		01/04/17 12:48	ZZ
o-Xylene	ND	2.5	5.5	10.75	ug/m3		01/04/17 12:48	ZZ
<b>Styrene</b>	<b>5.3 J</b>	2.5	3.25	10.75	ug/m3		01/04/17 12:48	ZZ J
<b>Tetrachloroethene</b>	<b>10.2 J</b>	2.5	6.75	17	ug/m3		01/04/17 12:48	ZZ J
<b>Toluene</b>	<b>11.3</b>	2.5	3.75	9.5	ug/m3		01/04/17 12:48	ZZ
trans-1,2-dichloroethene	ND	2.5	8	10	ug/m3		01/04/17 12:48	ZZ
trans-1,3-dichloropropene	ND	2.5	3	10	ug/m3		01/04/17 12:48	ZZ
Trichloroethene	ND	2.5	4	13.5	ug/m3		01/04/17 12:48	ZZ
<b>Trichlorofluoromethane</b>	<b>264</b>	2.5	4.25	14	ug/m3		01/04/17 12:48	ZZ
Vinyl Chloride	ND	2.5	2.5	6.5	ug/m3		01/04/17 12:48	ZZ
<b>Xylenes (Total)</b>	<b>16.3</b>	2.5	5.5	10.75	ug/m3		01/04/17 12:48	ZZ

QCBatchID: QC1173906

Analyst: nicollez

Method: EPA 8260B

Matrix: Air

Analyzed: 12/27/2016

Instrument: VOA-MS (group)

## Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173906MB1</b>					
1,1,1-Trichloroethane	ND	ug/m3	1.1	5.5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.1	6.9	
1,1,2-Trichloroethane	ND	ug/m3	1.7	5.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	7.7	
1,1-Dichloroethane	ND	ug/m3	1.2	4.1	
1,1-Dichloroethene	ND	ug/m3	2.4	4	
1,2,4-Trichlorobenzene	ND	ug/m3	3.7	7.4	
1,2,4-Trimethylbenzene	ND	ug/m3	2	4.9	
1,2-Dibromoethane	ND	ug/m3	3.9	7.7	
1,2-Dichlorobenzene	ND	ug/m3	36	60	
1,2-Dichloroethane	ND	ug/m3	1.6	4.1	
1,2-Dichloropropane	ND	ug/m3	1.8	4.6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	4.9	
1,3-Dichlorobenzene	ND	ug/m3	3.6	6	
1,4-Dichlorobenzene	ND	ug/m3	3.6	6	
4-Ethyltoluene	ND	ug/m3	2.5	4.9	
Benzene	ND	ug/m3	1	3.2	
Bromodichloromethane	ND	ug/m3	2.7	6.7	
Bromoform	ND	ug/m3	4.1	10.3	
Bromomethane	ND	ug/m3	3.1	3.9	
Carbon Tetrachloride	ND	ug/m3	1.9	6.3	
Chlorobenzene	ND	ug/m3	1.8	4.6	
Chlorodibromomethane	ND	ug/m3	3.4	8.5	
Chloroethane	ND	ug/m3	13	13	
Chloroform	ND	ug/m3	4.9	4.9	
Chloromethane	ND	ug/m3	10.5	10.5	
cis-1,2-Dichloroethene	ND	ug/m3	3.2	4	
cis-1,3-dichloropropene	ND	ug/m3	1.8	4.5	
Dichlorodifluoromethane	ND	ug/m3	2.5	4.9	
Ethylbenzene	ND	ug/m3	1.7	4.3	
m and p-Xylene	ND	ug/m3	1.7	4.3	
Methylene chloride	ND	ug/m3	3.5	3.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	1.4	3.6	
o-Xylene	ND	ug/m3	2.2	4.3	
Styrene	ND	ug/m3	1.3	4.3	
Tetrachloroethene	ND	ug/m3	2.7	6.8	
Toluene	ND	ug/m3	1.5	3.8	
trans-1,2-dichloroethene	ND	ug/m3	3.2	4	
trans-1,3-dichloropropene	ND	ug/m3	1.2	4	
Trichloroethene	ND	ug/m3	1.6	5.4	
Trichlorofluoromethane	ND	ug/m3	1.7	5.6	
Vinyl Chloride	ND	ug/m3	1	2.6	
Xylenes (Total)	ND	ug/m3	2.2	4.3	

QCBatchID: **QC1173906**

Analyst: nicollez

Method: EPA 8260B

Matrix: Air

Analyzed: 12/27/2016

Instrument: VOA-MS (group)

**Duplicate Summary**

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
<b>QC1173906DUP1</b>						<b>Source: 385824-005</b>
1,2,4-Trimethylbenzene	ND	ND	ug/m3	0.0	20	
1,3,5-Trimethylbenzene	ND	ND	ug/m3	0.0	20	
4-Ethyltoluene	ND	3.9	ug/m3	200.0	20	D
Benzene	ND	ND	ug/m3	0.0	20	
Dichlorodifluoromethane	ND	3.0	ug/m3	200.0	20	D
Ethylbenzene	5.2	4.3	ug/m3	18.9	20	
m and p-Xylene	20.0	18.2	ug/m3	9.4	20	
Methyl-t-butyl Ether (MTBE)	ND	ND	ug/m3	0.0	20	
o-Xylene	6.9	6.1	ug/m3	12.3	20	
Styrene	6.8	6.0	ug/m3	12.5	20	
Tetrachloroethene	ND	4.1	ug/m3	200.0	20	D
Toluene	9.8	9.0	ug/m3	8.5	20	
Trichloroethene	ND	ND	ug/m3	0.0	20	
Trichlorofluoromethane	ND	2.2	ug/m3	200.0	20	D
Xylenes (Total)	26.9	24.3	ug/m3	10.2	20	

QCBatchID: **QC1173907**

Analyst: nicollez

Method: EPA 8260B

Matrix: Air

Analyzed: 12/28/2016

Instrument: VOA-MS (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173907MB1</b>					
1,1,1-Trichloroethane	ND	ug/m3	1.1	5.5	
1,1,1,2-Tetrachloroethane	ND	ug/m3	4.1	6.9	
1,1,2-Trichloroethane	ND	ug/m3	1.7	5.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	7.7	
1,1-Dichloroethane	ND	ug/m3	1.2	4.1	
1,1-Dichloroethene	ND	ug/m3	2.4	4	
1,2,4-Trichlorobenzene	ND	ug/m3	3.7	7.4	
1,2,4-Trimethylbenzene	ND	ug/m3	2	4.9	
1,2-Dibromoethane	ND	ug/m3	3.9	7.7	
1,2-Dichlorobenzene	ND	ug/m3	36	60	
1,2-Dichloroethane	ND	ug/m3	1.6	4.1	
1,2-Dichloropropane	ND	ug/m3	1.8	4.6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	4.9	
1,3-Dichlorobenzene	ND	ug/m3	3.6	6	
1,4-Dichlorobenzene	ND	ug/m3	3.6	6	
4-Ethyltoluene	ND	ug/m3	2.5	4.9	
<b>Benzene</b>	<b>1.3 J</b>	ug/m3	1	3.2	
Bromodichloromethane	ND	ug/m3	2.7	6.7	
Bromoform	ND	ug/m3	4.1	10.3	
Bromomethane	ND	ug/m3	3.1	3.9	
Carbon Tetrachloride	ND	ug/m3	1.9	6.3	
Chlorobenzene	ND	ug/m3	1.8	4.6	
Chlorodibromomethane	ND	ug/m3	3.4	8.5	
Chloroethane	ND	ug/m3	13	13	
Chloroform	ND	ug/m3	4.9	4.9	
Chloromethane	ND	ug/m3	10.5	10.5	
cis-1,2-Dichloroethene	ND	ug/m3	3.2	4	
cis-1,3-dichloropropene	ND	ug/m3	1.8	4.5	
Dichlorodifluoromethane	ND	ug/m3	2.5	4.9	
Ethylbenzene	ND	ug/m3	1.7	4.3	
<b>m and p-Xylene</b>	<b>3.0 J</b>	ug/m3	1.7	4.3	
Methylene chloride	ND	ug/m3	3.5	3.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	1.4	3.6	
o-Xylene	ND	ug/m3	2.2	4.3	
Styrene	ND	ug/m3	1.3	4.3	
Tetrachloroethene	ND	ug/m3	2.7	6.8	
<b>Toluene</b>	<b>4.1</b>	ug/m3	1.5	3.8	B
trans-1,2-dichloroethene	ND	ug/m3	3.2	4	
trans-1,3-dichloropropene	ND	ug/m3	1.2	4	
Trichloroethene	ND	ug/m3	1.6	5.4	
Trichlorofluoromethane	ND	ug/m3	1.7	5.6	
Vinyl Chloride	ND	ug/m3	1	2.6	
Xylenes (Total)	ND	ug/m3	2.2	4.3	

QCBatchID: **QC1173907**

Analyst: nicollez

Method: EPA 8260B

Matrix: Air

Analyzed: 12/28/2016

Instrument: VOA-MS (group)

**Duplicate Summary**

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
<b>QC1173907DUP1</b>						<b>Source: 385937-001</b>
1,2,4-Trimethylbenzene	ND	ND	Vppb	0.0	30	
1,3,5-Trimethylbenzene	ND	ND	Vppb	0.0	30	
4-Ethyltoluene	ND	ND	Vppb	0.0	30	
Benzene	ND	ND	Vppb	0.0	30	
Cyclohexane	56	54	Vppb	3.6	30	
Ethylbenzene	ND	ND	Vppb	0.0	30	
m and p-Xylene	ND	ND	Vppb	0.0	30	
Methyl-t-butyl Ether (MTBE)	ND	ND	Vppb	0.0	30	
o-Xylene	ND	ND	Vppb	0.0	30	
Tetrachloroethene	2300	2300	Vppb	0.0	30	
Toluene	ND	ND	Vppb	0.0	30	
Trichloroethene	ND	ND	Vppb	0.0	30	
Trichlorofluoromethane	ND	ND	Vppb	0.0	30	
Xylenes (Total)	ND	ND	Vppb	0.0	30	

QCBatchID: **QC1174048**

Analyst: DPhan

Method: EPA 8260B

Matrix: Air

Analyzed: 01/05/2017

Instrument: VOA-MS (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1174048MB1</b>					
1,1,1-Trichloroethane	ND	ug/m3	1.1	5.5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.1	6.9	
1,1,2-Trichloroethane	ND	ug/m3	1.7	5.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	7.7	
1,1-Dichloroethane	ND	ug/m3	1.2	4.1	
1,1-Dichloroethene	ND	ug/m3	2.4	4	
1,2,4-Trichlorobenzene	ND	ug/m3	3.7	7.4	
1,2,4-Trimethylbenzene	ND	ug/m3	2	4.9	
1,2-Dibromoethane	ND	ug/m3	3.9	7.7	
1,2-Dichlorobenzene	ND	ug/m3	36	60	
1,2-Dichloroethane	ND	ug/m3	1.6	4.1	
1,2-Dichloropropane	ND	ug/m3	1.8	4.6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	4.9	
1,3-Dichlorobenzene	ND	ug/m3	3.6	6	
1,4-Dichlorobenzene	ND	ug/m3	3.6	6	
4-Ethyltoluene	ND	ug/m3	2.5	4.9	
Benzene	ND	ug/m3	1	3.2	
Bromodichloromethane	ND	ug/m3	2.7	6.7	
Bromoform	ND	ug/m3	4.1	10.3	
Bromomethane	ND	ug/m3	3.1	3.9	
Carbon Tetrachloride	ND	ug/m3	1.9	6.3	
Chlorobenzene	ND	ug/m3	1.8	4.6	
Chlorodibromomethane	ND	ug/m3	3.4	8.5	
Chloroethane	ND	ug/m3	13	13	
Chloroform	ND	ug/m3	4.9	4.9	
Chloromethane	ND	ug/m3	10.5	10.5	
cis-1,2-Dichloroethene	ND	ug/m3	3.2	4	
cis-1,3-dichloropropene	ND	ug/m3	1.8	4.5	
Dichlorodifluoromethane	ND	ug/m3	2.5	4.9	
Ethylbenzene	ND	ug/m3	1.7	4.3	
m and p-Xylene	ND	ug/m3	1.7	4.3	
Methylene chloride	ND	ug/m3	3.5	3.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	1.4	3.6	
o-Xylene	ND	ug/m3	2.2	4.3	
Styrene	ND	ug/m3	1.3	4.3	
Tetrachloroethene	ND	ug/m3	2.7	6.8	
Toluene	ND	ug/m3	1.5	3.8	
trans-1,2-dichloroethene	ND	ug/m3	3.2	4	
trans-1,3-dichloropropene	ND	ug/m3	1.2	4	
Trichloroethene	ND	ug/m3	1.6	5.4	
Trichlorofluoromethane	ND	ug/m3	1.7	5.6	
Vinyl Chloride	ND	ug/m3	1	2.6	
Xylenes (Total)	ND	ug/m3	2.2	4.3	



QCBatchID: **QC1174048**

Analyst: DPhan

Method: EPA 8260B

Matrix: Air

Analyzed: 01/05/2017

Instrument: VOA-MS (group)

**Duplicate Summary**

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
<b>QC1174048DUP1</b>						<b>Source: 385824-008</b>
1,2,4-Trimethylbenzene	ND	ND	ug/m3	0.0	20	
1,3,5-Trimethylbenzene	ND	ND	ug/m3	0.0	20	
4-Ethyltoluene	ND	3.7	ug/m3	200.0	20	D
Benzene	ND	ND	ug/m3	0.0	20	
Ethylbenzene	ND	4.3	ug/m3	200.0	20	D
m and p-Xylene	13.0	15.2	ug/m3	15.6	20	
Methyl-t-butyl Ether (MTBE)	ND	ND	ug/m3	0.0	20	
o-Xylene	ND	4.3	ug/m3	200.0	20	D
Styrene	5.3	5.3	ug/m3	0.0	20	
Tetrachloroethene	10.2	11.9	ug/m3	15.4	20	
Toluene	11.3	11.3	ug/m3	0.0	20	
Trichloroethene	ND	ND	ug/m3	0.0	20	
Trichlorofluoromethane	264	263	ug/m3	0.4	20	
Xylenes (Total)	16.3	19.5	ug/m3	17.9	20	

# Data Qualifiers and Definitions

## Qualifiers

<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)								
806 N. Batavia St., Orange, CA 92868		Lab No: 305824		Standard: x		3 Day:						
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 1 of 1		2 Day:		1 Day:						
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>								
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other								
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water										
SW = Swab W = Water WP = Wipe O = Other												
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments				
Company:	CES Group	Name:	Grant HS									
Report To:	Skye Green	Number:										
Email:	sgreen@cesgroup.co	P.O. #:	27016									
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.									
	Temecula, CA 92592		Los Angeles, CA 91335									
Phone:	714-398-6363	Global ID:										
Fax:	951-848-9812	Sampled By:	D. Baysa / R. Giles									
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)
1 S1/SG1-5'	12/23/16	11:45 AM	A	1/1L						x		
2 S1/SG1-10'	12/23/16	12:05 PM	A	1/1L						x		
3 S2/SG2-5'	12/23/16	1:30 PM	A	1/1L						x		
4 S2/SG2-10'	12/23/16	1:50 PM	A	1/1L						x		
5 S3/SG3-5'	12/23/16	2:25 PM	A	1/1L						x		
6 S3/SG3-10'	12/23/16	2:35 PM	A	1/1L						x		
7 S50/SG4-5'	12/23/16	10:40 AM	A	1/1L						x		
8 S50/SG4-10'	12/23/16	11:05 AM	A	1/1L						x		
9												
10												
Signature		Print Name		Company / Title		Date / Time						
1 Relinquished By: [Signature]		Danny Baysa		CES Group/ Field Supervisor		12/24/16 10:35						
1 Received By: [Signature]		[Signature]		EA		12/24/16 10:35 AM						
2 Relinquished By:												
2 Received By:												
3 Relinquished By:												
3 Received By:												



## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES GROUP Project: GRANT HS  
Date Received: 12/24/16 Sampler's Name Present: ☒ Yes No  
Sample(s) received in a cooler? Yes How many? 1 ☒ No (skip section 2) Sample Temp (°C):  
Sample Temp (°C) from each cooler: #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)  
Shipping Information: (CANISTERS)

### Section 2

Was the cooler packed with: \_\_\_\_\_ Ice \_\_\_\_\_ Ice Packs \_\_\_\_\_ Bubble Wrap \_\_\_\_\_ Styrofoam  
\_\_\_\_\_ Paper \_\_\_\_\_ None \_\_\_\_\_ Other \_\_\_\_\_  
Cooler Temp (°C): #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3


	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Were sample IDs present?	<input checked="" type="checkbox"/>		
Were sampling dates & times present?	<input checked="" type="checkbox"/>		
Was a relinquished signature present?	<input checked="" type="checkbox"/>		
Were the tests required clearly indicated?	<input checked="" type="checkbox"/>		
Were custody seals present?		<input checked="" type="checkbox"/>	
If Yes – were they intact?			<input checked="" type="checkbox"/>
Were all samples sealed in plastic bags?		<input checked="" type="checkbox"/>	
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>		
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>		
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>		
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>		
Was there headspace in VOA vials?			<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?			<input checked="" type="checkbox"/>

### Section 4

Explanations/Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Section 5

For discrepancies, how was the Project Manager notified? Verbal PM Initials: \_\_\_\_\_ Date/Time \_\_\_\_\_  
Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_  
Project Manager's response: \_\_\_\_\_  
\_\_\_\_\_

Completed By:  Date: 12/24/16

## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Tuesday, January 10, 2017 10:06 AM  
**To:** Ranjit Clarke  
**Subject:** Vapor results

Hi Ranjit,

Can you revise the result for Grant so that the vapor results are in ug/m3? And the same for Francis Polytechnic when you report those? I need to compare to CHHSLs and they are in ug/m3.

Thank you,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)





## Enthalpy Analytical, Inc.

**Formerly Associated Labs**

806 N. Batavia - Orange, CA 92868

Tel: (714)771-6900 Fax: (714)538-1209

www.associatedlabs.com

info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 385825  
Report Date: 02/09/2017  
Date Received: 12/24/2016  
Client ID: 15581

Comments: Grant HS  
PO# 27016  
13000 Oxnard St., Los Angeles, CA 91335

### Supplemental Report 4

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sample #</u>	<u>Client Sample ID</u>
385825-001	S4-0.5'	385825-025	S12-0.5'	385825-049	S20-0.5'
385825-002	S4-1.5'	385825-026	S12-1.5'	385825-050	S20-1.5'
385825-003	S4-2.5'	385825-027	S12-2.5'	385825-051	S20-2.5'
385825-004	S5-0.5'	385825-028	S13-0.5'	385825-052	S21-0.5'
385825-005	S5-1.5'	385825-029	S13-1.5'	385825-053	S21-1.5'
385825-006	S5-2.5'	385825-030	S13-2.5'	385825-054	S21-2.5'
385825-007	S6-0.5'	385825-031	S14-0.5'	385825-055	S22-0.5'
385825-008	S6-1.5'	385825-032	S14-1.5'	385825-056	S22-1.5'
385825-009	S6-2.5'	385825-033	S14-2.5'	385825-057	S22-2.5'
385825-010	S7-0.5'	385825-034	S15-0.5'	385825-058	S23-0.5'
385825-011	S7-1.5'	385825-035	S15-1.5'	385825-059	S23-1.5'
385825-012	S7-2.5'	385825-036	S15-2.5'	385825-060	S23-2.5'
385825-013	S8-0.5'	385825-037	S16-0.5'	385825-061	S24-0.5'
385825-014	S8-1.5'	385825-038	S16-1.5'	385825-062	S24-1.5'
385825-015	S8-2.5'	385825-039	S16-2.5'	385825-063	S24-2.5'
385825-016	S9-0.5'	385825-040	S17-0.5'	385825-064	S25-0.5'
385825-017	S9-1.5'	385825-041	S17-1.5'	385825-065	S25-1.5'
385825-018	S9-2.5'	385825-042	S17-2.5'	385825-066	S25-2.5'
385825-019	S10-0.5'	385825-043	S18-0.5'	385825-067	S26-0.5'
385825-020	S10-1.5'	385825-044	S18-1.5'	385825-068	S26-1.5'
385825-021	S10-2.5'	385825-045	S18-2.5'	385825-069	S26-2.5'
385825-022	S11-0.5'	385825-046	S19-0.5'	385825-070	S27-0.5'
385825-023	S11-1.5'	385825-047	S19-1.5'	385825-071	S27-1.5'
385825-024	S11-2.5'	385825-048	S19-2.5'	385825-072	S27-2.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-001</u>	<b>Client Sample #:</b> S4-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
<b>4,4'-DDE</b>	<b>0.003 J</b>	1	0.00057	0.005	mg/Kg		12/25/16	LW J
<b>4,4'-DDT</b>	<b>0.002 J</b>	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
<b>Chlordane (technical)</b>	<b>0.024 J</b>	1	0.012	0.05	mg/Kg		12/25/16	LW J
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
<b>Dieldrin</b>	<b>0.001 J</b>	1	0.00063	0.005	mg/Kg		12/25/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	64			50-150				
Tetrachloro-m-xylene TCMX (SUR)	95			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-002</u>	<b>Client Sample #:</b> S4-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-003</u>	<b>Client Sample #:</b> S4-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-004</u>	<b>Client Sample #:</b> S5-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>16.7</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>6.76</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	0.001 J	1	0.00057	0.005	mg/Kg		12/25/16	LW J
4,4'-DDT	0.001 J	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	53			50-150				
Tetrachloro-m-xylene TCMX (SUR)	76			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-005</u>	<b>Client Sample #:</b> S5-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-006</u>	<b>Client Sample #:</b> S5-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 07:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-007</u>	<b>Client Sample #:</b> S6-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>44.6</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
<b>4,4'-DDD</b>	<b>0.001 J</b>	1	0.00067	0.005	mg/Kg		12/25/16	LW J
<b>4,4'-DDE</b>	<b>0.001 J</b>	1	0.00057	0.005	mg/Kg		12/25/16	LW J
<b>4,4'-DDT</b>	<b>0.003 J</b>	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
<b>Heptachlor</b>	<b>0.001 J</b>	1	0.00044	0.005	mg/Kg		12/25/16	LW J
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	70			50-150				
Tetrachloro-m-xylene TCMX (SUR)	77			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 07:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-008</u>	<b>Client Sample #:</b> S6-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 07:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-009</u>	<b>Client Sample #:</b> S6-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 07:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-010</u>	<b>Client Sample #:</b> S7-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>42.0</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>6.96</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
<b>4,4'-DDD</b>	<b>0.003 J</b>	1	0.00067	0.005	mg/Kg		12/25/16	LW J
<b>4,4'-DDE</b>	<b>0.002 J</b>	1	0.00057	0.005	mg/Kg		12/25/16	LW J
<b>4,4'-DDT</b>	<b>0.002 J</b>	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
<b>Chlordane (technical)</b>	<b>0.027 J</b>	1	0.012	0.05	mg/Kg		12/25/16	LW J
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>						<u>Limits</u>	<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	68						50-150	
Tetrachloro-m-xylene TCMX (SUR)	79						50-150	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 07:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-011</u>	<b>Client Sample #:</b> S7-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-012</u>	<b>Client Sample #:</b> S7-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-013</u>	<b>Client Sample #:</b> S8-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 1311/3010A						QCBatchID: QC1174191	
<b>Lead</b>	<b>0.681</b>	1	0.004	0.05	mg/L	01/10/17	01/10/17	KLN
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>335</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174165	
<b>Lead</b>	<b>41.3</b>	10	0.12	0.15	mg/L	01/09/17	01/10/17	KLN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	0.003 J	1	0.00057	0.005	mg/Kg		12/25/16	LW J
4,4'-DDT	0.002 J	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	0.026 J	1	0.012	0.05	mg/Kg		12/25/16	LW J
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>			<u>% Recovery</u>				<u>Limits</u>	<u>Notes</u>
Decachlorobiphenyl DCB (SUR)			50				50-150	
Tetrachloro-m-xylene TCMX (SUR)			60				50-150	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-014</u>	<b>Client Sample #:</b> S8-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174225	
<b>Lead</b>	<b>6.18</b>	1	0.32	0.5	mg/Kg	01/11/17	01/13/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-015</u>	<b>Client Sample #:</b> S8-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-016</u>	<b>Client Sample #:</b> S9-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 1311/3010A						QCBatchID: QC1174191	
<b>Lead</b>	<b>0.032 J</b>	1	0.004	0.05	mg/L	01/10/17	01/10/17	KLN J
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>106</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174165	
<b>Lead</b>	<b>6.06</b>	10	0.12	0.15	mg/L	01/09/17	01/10/17	KLN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>10.7</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	0.092	10	0.0057	0.05	mg/Kg		12/26/16	LW
4,4'-DDT	0.012 J	5	0.00475	0.025	mg/Kg		12/26/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	0.450	5	0.06	0.25	mg/Kg		12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	0.011 J	5	0.00315	0.025	mg/Kg		12/26/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	0.001 J	1	0.00044	0.005	mg/Kg		12/25/16	LW J
Heptachlor epoxide	0.003 J	1	0.00027	0.005	mg/Kg		12/25/16	LW J
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>			<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)			68		50-150			
Tetrachloro-m-xylene TCMX (SUR)			89		50-150			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-017</u>	<b>Client Sample #:</b> S9-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174225	
<b>Lead</b>	<b>65.5</b>	1	0.32	0.5	mg/Kg	01/11/17	01/13/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174723	
<b>Lead</b>	<b>2.88</b>	10	0.12	0.15	mg/L	01/25/17	01/26/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-018</u>	<b>Client Sample #:</b> S9-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 1311/3010A						QCBatchID: QC1175179	
Lead	ND	1	0.004	0.05	mg/L	02/08/17	02/09/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174444	
Lead	62.0	1	0.32	0.5	mg/Kg	01/18/17	01/19/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174909	
Lead	7.40	10	0.12	0.15	mg/L	02/01/17	02/01/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-019</u>	<b>Client Sample #:</b> S10-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
Lead	49.8	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	0.029 J	10	0.0057	0.05	mg/Kg		12/26/16	LW J
4,4'-DDT	0.004 J	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	0.036 J	1	0.012	0.05	mg/Kg		12/25/16	LW J
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	0.003 J	1	0.00063	0.005	mg/Kg		12/25/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	96			50-150				
Tetrachloro-m-xylene TCMX (SUR)	82			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:15	<b>Site:</b>	
<b>Sample #:</b> <u>385825-020</u>	<b>Client Sample #:</b> S10-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-021</u>	<b>Client Sample #:</b> S10-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 13:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-022</u>	<b>Client Sample #:</b> S11-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>14.2</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>3.39</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
<b>4,4'-DDD</b>	<b>0.007 J</b>	2	0.00134	0.01	mg/Kg		12/25/16	LW J
<b>4,4'-DDE</b>	<b>0.064 J</b>	20	0.0114	0.1	mg/Kg		12/26/16	LW J
4,4'-DDT	ND	2	0.0019	0.01	mg/Kg		12/25/16	LW
a-BHC	ND	2	0.0004	0.01	mg/Kg		12/25/16	LW
Aldrin	ND	2	0.00068	0.01	mg/Kg		12/25/16	LW
b-BHC	ND	2	0.0024	0.01	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	2	0.024	0.1	mg/Kg		12/25/16	LW
d-BHC	ND	2	0.0009	0.01	mg/Kg		12/25/16	LW
Dieldrin	ND	2	0.00126	0.01	mg/Kg		12/25/16	LW
Endosulfan I	ND	2	0.00056	0.01	mg/Kg		12/25/16	LW
Endosulfan II	ND	2	0.0016	0.01	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	2	0.0034	0.01	mg/Kg		12/25/16	LW
Endrin	ND	2	0.00124	0.01	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	2	0.0018	0.01	mg/Kg		12/25/16	LW
Endrin Ketone	ND	2	0.0024	0.01	mg/Kg		12/25/16	LW
Heptachlor	ND	2	0.00088	0.01	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	2	0.00054	0.01	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	2	0.0006	0.01	mg/Kg		12/25/16	LW
Methoxychlor	ND	2	0.0104	0.1	mg/Kg		12/25/16	LW
Toxaphene	ND	2	0.024	0.2	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	60			50-150				
Tetrachloro-m-xylene TCMX (SUR)	89			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 13:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-023</u>	<b>Client Sample #:</b> S11-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 13:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-024</u>	<b>Client Sample #:</b> S11-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 13:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-025</u>	<b>Client Sample #:</b> S12-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>1.72</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg		12/25/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg		12/25/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	48			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	50			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-026</u>	<b>Client Sample #:</b> S12-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-027</u>	<b>Client Sample #:</b> S12-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-028</u>	<b>Client Sample #:</b> S13-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>3.69</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>1.393 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/26/16	LW
<b>4,4'-DDE</b>	<b>0.001 J</b>	1	0.00057	0.005	mg/Kg		12/26/16	LW J
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg		12/26/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/26/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	36			50-150			S	
Tetrachloro-m-xylene TCMX (SUR)	71			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-029</u>	<b>Client Sample #:</b> S13-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-030</u>	<b>Client Sample #:</b> S13-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-031</u>	<b>Client Sample #:</b> S14-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>6.38</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
<b>4,4'-DDE</b>	<b>0.003 J</b>	1	0.00057	0.005	mg/Kg		12/25/16	LW J
<b>4,4'-DDT</b>	<b>0.001 J</b>	1	0.00095	0.005	mg/Kg		12/25/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
<b>Dieldrin</b>	<b>0.002 J</b>	1	0.00063	0.005	mg/Kg		12/25/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	49			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	55			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-032</u>	<b>Client Sample #:</b> S14-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-033</u>	<b>Client Sample #:</b> S14-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-034</u>	<b>Client Sample #:</b> S15-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>1.38</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>3.14</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg		12/25/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg		12/25/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	44			50-150		S		
Tetrachloro-m-xylene TCMX (SUR)	57			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-035</u>	<b>Client Sample #:</b> S15-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-036</u>	<b>Client Sample #:</b> S15-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-037</u>	<b>Client Sample #:</b> S16-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>13.1</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	5	0.00335	0.025	mg/Kg		12/25/16	LW
4,4'-DDE	ND	5	0.00285	0.025	mg/Kg		12/25/16	LW
4,4'-DDT	ND	5	0.00475	0.025	mg/Kg		12/25/16	LW
a-BHC	ND	5	0.001	0.025	mg/Kg		12/25/16	LW
Aldrin	ND	5	0.0017	0.025	mg/Kg		12/25/16	LW
b-BHC	ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	5	0.06	0.25	mg/Kg		12/25/16	LW
d-BHC	ND	5	0.00225	0.025	mg/Kg		12/25/16	LW
Dieldrin	ND	5	0.00315	0.025	mg/Kg		12/25/16	LW
Endosulfan I	ND	5	0.0014	0.025	mg/Kg		12/25/16	LW
Endosulfan II	ND	5	0.004	0.025	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	5	0.0085	0.025	mg/Kg		12/25/16	LW
Endrin	ND	5	0.0031	0.025	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	5	0.0045	0.025	mg/Kg		12/25/16	LW
Endrin Ketone	ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Heptachlor	ND	5	0.0022	0.025	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	5	0.00135	0.025	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	5	0.0015	0.025	mg/Kg		12/25/16	LW
Methoxychlor	ND	5	0.026	0.25	mg/Kg		12/25/16	LW
Toxaphene	ND	5	0.06	0.5	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	42			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	76			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-038</u>	<b>Client Sample #:</b> S16-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-039</u>	<b>Client Sample #:</b> S16-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-040</u>	<b>Client Sample #:</b> S17-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>11.2</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>5.06</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	5	0.00335	0.025	mg/Kg		12/25/16	LW
4,4'-DDE	ND	5	0.00285	0.025	mg/Kg		12/25/16	LW
4,4'-DDT	ND	5	0.00475	0.025	mg/Kg		12/25/16	LW
a-BHC	ND	5	0.001	0.025	mg/Kg		12/25/16	LW
Aldrin	ND	5	0.0017	0.025	mg/Kg		12/25/16	LW
b-BHC	ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Chlordane (technical)	ND	5	0.06	0.25	mg/Kg		12/25/16	LW
d-BHC	ND	5	0.00225	0.025	mg/Kg		12/25/16	LW
Dieldrin	ND	5	0.00315	0.025	mg/Kg		12/25/16	LW
Endosulfan I	ND	5	0.0014	0.025	mg/Kg		12/25/16	LW
Endosulfan II	ND	5	0.004	0.025	mg/Kg		12/25/16	LW
Endosulfan sulfate	ND	5	0.0085	0.025	mg/Kg		12/25/16	LW
Endrin	ND	5	0.0031	0.025	mg/Kg		12/25/16	LW
Endrin aldehyde	ND	5	0.0045	0.025	mg/Kg		12/25/16	LW
Endrin Ketone	ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Heptachlor	ND	5	0.0022	0.025	mg/Kg		12/25/16	LW
Heptachlor epoxide	ND	5	0.00135	0.025	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)	ND	5	0.0015	0.025	mg/Kg		12/25/16	LW
Methoxychlor	ND	5	0.026	0.25	mg/Kg		12/25/16	LW
Toxaphene	ND	5	0.06	0.5	mg/Kg		12/25/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	53			50-150				
Tetrachloro-m-xylene TCMX (SUR)	79			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-041</u>	<b>Client Sample #:</b> S17-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-042</u>	<b>Client Sample #:</b> S17-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-043</u>	<b>Client Sample #:</b> S18-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>32.1</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/26/16	LW
<b>4,4'-DDE</b>	<b>0.001 J</b>	1	0.00057	0.005	mg/Kg		12/26/16	LW J
<b>4,4'-DDT</b>	<b>0.001 J</b>	1	0.00095	0.005	mg/Kg		12/26/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/26/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	42			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	80			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:15	<b>Site:</b>	
<b>Sample #:</b> <u>385825-044</u>	<b>Client Sample #:</b> S18-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-045</u>	<b>Client Sample #:</b> S18-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-046</u>	<b>Client Sample #:</b> S19-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>15.6</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>1.999 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/26/16	LW
4,4'-DDE	0.002 J	1	0.00057	0.005	mg/Kg		12/26/16	LW J
4,4'-DDT	0.001 J	1	0.00095	0.005	mg/Kg		12/26/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/26/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	65			50-150				
Tetrachloro-m-xylene TCMX (SUR)	132			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-047</u>	<b>Client Sample #:</b> S19-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-048</u>	<b>Client Sample #:</b> S19-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-049</u>	<b>Client Sample #:</b> S20-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>12.7</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg		12/26/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg		12/26/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg		12/26/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/26/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg		12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/26/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg		12/26/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg		12/26/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg		12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg		12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/26/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg		12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/26/16	LW
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/26/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg		12/26/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg		12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	31			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	56			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-050</u>	<b>Client Sample #:</b> S20-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-051</u>	<b>Client Sample #:</b> S20-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 15:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-052</u>	<b>Client Sample #:</b> S21-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>27.5</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>2.37 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173682	
4,4'-DDD	ND	2	0.00134	0.01	mg/Kg		12/26/16	LW
4,4'-DDE	0.007 J	2	0.00114	0.01	mg/Kg		12/26/16	LW J
4,4'-DDT	0.002 J	2	0.0019	0.01	mg/Kg		12/26/16	LW J
a-BHC	ND	2	0.0004	0.01	mg/Kg		12/26/16	LW
Aldrin	ND	2	0.00068	0.01	mg/Kg		12/26/16	LW
b-BHC	ND	2	0.0024	0.01	mg/Kg		12/26/16	LW
Chlordane (technical)	ND	2	0.024	0.1	mg/Kg		12/26/16	LW
d-BHC	ND	2	0.0009	0.01	mg/Kg		12/26/16	LW
Dieldrin	ND	2	0.00126	0.01	mg/Kg		12/26/16	LW
Endosulfan I	ND	2	0.00056	0.01	mg/Kg		12/26/16	LW
Endosulfan II	ND	2	0.0016	0.01	mg/Kg		12/26/16	LW
Endosulfan sulfate	ND	2	0.0034	0.01	mg/Kg		12/26/16	LW
Endrin	ND	2	0.00124	0.01	mg/Kg		12/26/16	LW
Endrin aldehyde	ND	2	0.0018	0.01	mg/Kg		12/26/16	LW
Endrin Ketone	ND	2	0.0024	0.01	mg/Kg		12/26/16	LW
Heptachlor	ND	2	0.00088	0.01	mg/Kg		12/26/16	LW
Heptachlor epoxide	ND	2	0.00054	0.01	mg/Kg		12/26/16	LW
Lindane (Gamma-BHC)	ND	2	0.0006	0.01	mg/Kg		12/26/16	LW
Methoxychlor	ND	2	0.0104	0.1	mg/Kg		12/26/16	LW
Toxaphene	ND	2	0.024	0.2	mg/Kg		12/26/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	18			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	37			50-150	S			Matrix interference.

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-053</u>	<b>Client Sample #:</b> S21-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 16:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-054</u>	<b>Client Sample #:</b> S21-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-055</u>	<b>Client Sample #:</b> S22-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>16.9</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	2.5	0.001675	0.0125	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	2.5	0.001425	0.0125	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	2.5	0.002375	0.0125	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	2.5	0.0005	0.0125	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	2.5	0.00085	0.0125	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	2.5	0.003	0.0125	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	2.5	0.03	0.125	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	2.5	0.001125	0.0125	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	2.5	0.001575	0.0125	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	2.5	0.0007	0.0125	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	2.5	0.002	0.0125	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	2.5	0.00425	0.0125	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	2.5	0.00155	0.0125	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	2.5	0.00225	0.0125	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	2.5	0.003	0.0125	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	2.5	0.0011	0.0125	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	2.5	0.000675	0.0125	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	2.5	0.00075	0.0125	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	2.5	0.013	0.125	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	2.5	0.03	0.25	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>			<u>% Recovery</u>	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)			66	50-150				
Tetrachloro-m-xylene TCMX (SUR)			61	50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-056</u>	<b>Client Sample #:</b> S22-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-057</u>	<b>Client Sample #:</b> S22-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-058</u>	<b>Client Sample #:</b> S23-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173758	
<b>Lead</b>	<b>6.71</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>1.852 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
<b>4,4'-DDD</b>	<b>0.001 J</b>	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW J
<b>4,4'-DDE</b>	<b>0.002 J</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW J
<b>4,4'-DDT</b>	<b>0.003 J</b>	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	63			50-150				
Tetrachloro-m-xylene TCMX (SUR)	77			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-059</u>	<b>Client Sample #:</b> S23-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-060</u>	<b>Client Sample #:</b> S23-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-061</u>	<b>Client Sample #:</b> S24-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>17.8</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	50	0.0335	0.25	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	50	0.0285	0.25	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	50	0.0475	0.25	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	50	0.01	0.25	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	50	0.017	0.25	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	50	0.06	0.25	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	50	0.6	2.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	50	0.0225	0.25	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	50	0.0315	0.25	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	50	0.014	0.25	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	50	0.04	0.25	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	50	0.085	0.25	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	50	0.031	0.25	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	50	0.045	0.25	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	50	0.06	0.25	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	50	0.022	0.25	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	50	0.0135	0.25	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	50	0.015	0.25	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	50	0.26	2.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	50	0.6	5	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	224		50-150	S	Matrix interference.			
Tetrachloro-m-xylene TCMX (SUR)	102		50-150					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-062</u>	<b>Client Sample #:</b> S24-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:18	<b>Site:</b>	
<b>Sample #:</b> <u>385825-063</u>	<b>Client Sample #:</b> S24-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-064</u>	<b>Client Sample #:</b> S25-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>27.1</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>1.868 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	<b>0.001 J</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW J
4,4'-DDT	<b>0.001 J</b>	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>Dieldrin</b>	<b>0.002 J</b>	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	59			50-150				
Tetrachloro-m-xylene TCMX (SUR)	69			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-065</u>	<b>Client Sample #:</b> S25-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-066</u>	<b>Client Sample #:</b> S25-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-067</u>	<b>Client Sample #:</b> S26-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>5.48</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW
<b>Dieldrin</b>	<b>0.007 J</b>	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW J
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	102			50-150				
Tetrachloro-m-xylene TCMX (SUR)	82			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-068</u>	<b>Client Sample #:</b> S26-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-069</u>	<b>Client Sample #:</b> S26-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-070</u>	<b>Client Sample #:</b> S27-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>14.2</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>3.14</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	67			50-150				
Tetrachloro-m-xylene TCMX (SUR)	66			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-071</u>	<b>Client Sample #:</b> S27-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-072</u>	<b>Client Sample #:</b> S27-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-073</u>	<b>Client Sample #:</b> S28-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>10.6</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	76		50-150					
Tetrachloro-m-xylene TCMX (SUR)	66		50-150					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-074</u>	<b>Client Sample #:</b> S28-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-075</u>	<b>Client Sample #:</b> S28-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-076</u>	<b>Client Sample #:</b> S29-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>6.82</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>2.99 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	101			50-150				
Tetrachloro-m-xylene TCMX (SUR)	55			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-077</u>	<b>Client Sample #:</b> S29-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:15	<b>Site:</b>	
<b>Sample #:</b> <u>385825-078</u>	<b>Client Sample #:</b> S29-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-079</u>	<b>Client Sample #:</b> S30-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>12.5</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	70		50-150					
Tetrachloro-m-xylene TCMX (SUR)	47		50-150	S				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-080</u>	<b>Client Sample #:</b> S30-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-081</u>	<b>Client Sample #:</b> S30-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-082</u>	<b>Client Sample #:</b> S31-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>12.1</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>2.75 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDE</b>	<b>0.018 J</b>	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW J
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	109			50-150				
Tetrachloro-m-xylene TCMX (SUR)	47			50-150	S			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:55	<b>Site:</b>	
<b>Sample #:</b> <u>385825-083</u>	<b>Client Sample #:</b> S31-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-084</u>	<b>Client Sample #:</b> S31-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-085</u>	<b>Client Sample #:</b> S32-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>10.4</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	158			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	70			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-086</u>	<b>Client Sample #:</b> S32-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-087</u>	<b>Client Sample #:</b> S32-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-088</u>	<b>Client Sample #:</b> S33-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>9.46</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>3.00</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	20	0.0134	0.1	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	20	0.0114	0.1	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	20	0.019	0.1	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	20	0.004	0.1	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	20	0.0068	0.1	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	20	0.024	0.1	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	20	0.24	1	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	20	0.009	0.1	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	20	0.0126	0.1	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	20	0.0056	0.1	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	20	0.016	0.1	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	20	0.034	0.1	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	20	0.0124	0.1	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	20	0.018	0.1	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	20	0.024	0.1	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	20	0.0088	0.1	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	20	0.0054	0.1	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	20	0.006	0.1	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	20	0.104	1	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	20	0.24	2	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	322			50-150		S		
Tetrachloro-m-xylene TCMX (SUR)	69			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-089</u>	<b>Client Sample #:</b> S33-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 10:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-090</u>	<b>Client Sample #:</b> S33-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-091</u>	<b>Client Sample #:</b> S52-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>5.22</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDE</b>	<b>0.004 J</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW J
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	73			50-150				
Tetrachloro-m-xylene TCMX (SUR)	89			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:08	<b>Site:</b>	
<b>Sample #:</b> <u>385825-092</u>	<b>Client Sample #:</b> S52-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:15	<b>Site:</b>	
<b>Sample #:</b> <u>385825-093</u>	<b>Client Sample #:</b> S52-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-094</u>	<b>Client Sample #:</b> S55-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>2.31</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>5.44</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	67			50-150				
Tetrachloro-m-xylene TCMX (SUR)	90			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:15	<b>Site:</b>	
<b>Sample #:</b> <u>385825-095</u>	<b>Client Sample #:</b> S55-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 11:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-096</u>	<b>Client Sample #:</b> S55-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-097</u>	<b>Client Sample #:</b> S65-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>3.34</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>2.69 J</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH J
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	39			50-150			S	
Tetrachloro-m-xylene TCMX (SUR)	49			50-150			S	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:45	<b>Site:</b>	
<b>Sample #:</b> <u>385825-098</u>	<b>Client Sample #:</b> S65-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:49	<b>Site:</b>	
<b>Sample #:</b> <u>385825-099</u>	<b>Client Sample #:</b> S65-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-100</u>	<b>Client Sample #:</b> S66-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>27.4</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDE</b>	<b>0.002 J</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW J
<b>4,4'-DDT</b>	<b>0.003 J</b>	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>Chlordane (technical)</b>	<b>0.036 J</b>	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW J
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>Dieldrin</b>	<b>0.002 J</b>	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	73			50-150				
Tetrachloro-m-xylene TCMX (SUR)	94			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-101</u>	<b>Client Sample #:</b> S66-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 08:34	<b>Site:</b>	
<b>Sample #:</b> <u>385825-102</u>	<b>Client Sample #:</b> S66-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 07:45	<b>Site:</b>	
<b>Sample #:</b> 385825-103	<b>Client Sample #:</b> S7D-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>38.9</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>5.79</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
<b>4,4'-DDD</b>	<b>0.006</b>	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDE</b>	<b>0.005</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDT</b>	<b>0.003 J</b>	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>Chlordane (technical)</b>	<b>0.039 J</b>	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW J
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>Dieldrin</b>	<b>0.002 J</b>	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW J
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>Heptachlor epoxide</b>	<b>0.001 J</b>	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW J
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>							<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	69							50-150
Tetrachloro-m-xylene TCMX (SUR)	99							50-150

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:35	<b>Site:</b>	
<b>Sample #:</b> 385825-104	<b>Client Sample #:</b> S17D-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>10.9</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173862	
<b>Arsenic</b>	<b>7.04</b>	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	40		50-150		S			
Tetrachloro-m-xylene TCMX (SUR)	71		50-150					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 09:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-105</u>	<b>Client Sample #:</b> S20D-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
<b>Lead</b>	<b>9.46</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDE</b>	<b>0.007</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDT</b>	<b>0.005</b>	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	47			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	90			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:30	<b>Site:</b>	
<b>Sample #:</b> 385825-106	<b>Client Sample #:</b> Soil Drums	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1173759	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>6.02</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>116</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>15.5</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>9.60</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>17.7</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
<b>Lead</b>	<b>9.47</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>8.27</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>38.0</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>47.1</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A NELAC	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015B NELAC	Prep Method: EPA 3545						QCBatchID: QC1173872	
TPH Diesel	ND	1	0.4	1	mg/Kg	12/30/16	12/30/16	LT
TPH Motor Oil	ND	1	2.1	5	mg/Kg	12/30/16	12/30/16	LT
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
Triacontane (SUR)	93			50-150				
Method: EPA 8015B NELAC	Prep Method: EPA 5030						QCBatchID: QC1173807	
TPH Gasoline	ND	1	0.159	3	mg/Kg		12/29/16	EW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
4-Bromofluorobenzene (SUR)	91			60-140				
Method: EPA 8081A NELAC	Prep Method: EPA 3545						QCBatchID: QC1173693	
4,4'-DDD	ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
<b>4,4'-DDE</b>	<b>0.001 J</b>	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW J
<b>4,4'-DDT</b>	<b>0.002 J</b>	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW J
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:30	<b>Site:</b>	
<b>Sample #:</b> 385825-106	<b>Client Sample #:</b> Soil Drums	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	44			50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	83			50-150				
Method: EPA 8082 NELAC		Prep Method: EPA 3545				QCBatchID: QC1173791		
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	73			50-150				
Method: EPA 8260B NELAC		Prep Method: EPA 5030				QCBatchID: QC1173683		
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg	12/26/16	ZZ	
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg	12/26/16	ZZ	
1,1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg	12/26/16	ZZ	
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg	12/26/16	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg	12/26/16	ZZ	
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg	12/26/16	ZZ	
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg	12/26/16	ZZ	
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg	12/26/16	ZZ	
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg	12/26/16	ZZ	
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg	12/26/16	ZZ	
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg	12/26/16	ZZ	
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg	12/26/16	ZZ	
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg	12/26/16	ZZ	
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg	12/26/16	ZZ	
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg	12/26/16	ZZ	
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg	12/26/16	ZZ	
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg	12/26/16	ZZ	
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg	12/26/16	ZZ	
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg	12/26/16	ZZ	
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg	12/26/16	ZZ	
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg	12/26/16	ZZ	
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg	12/26/16	ZZ	
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg	12/26/16	ZZ	
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg	12/26/16	ZZ	
2-Chlorotoluene	ND	1	0.25	5	ug/Kg	12/26/16	ZZ	
4-Chlorotoluene	ND	1	0.22	5	ug/Kg	12/26/16	ZZ	
4-Isopropyltoluene	0.65 J	1	0.27	5	ug/Kg	12/26/16	ZZ	J
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg	12/26/16	ZZ	
Acetone	ND	1	10	100	ug/Kg	12/26/16	ZZ	
Allyl Chloride	ND	1	0.14	5	ug/Kg	12/26/16	ZZ	
Benzene	ND	1	0.18	5	ug/Kg	12/26/16	ZZ	
Bromobenzene	ND	1	0.3	5	ug/Kg	12/26/16	ZZ	
Bromochloromethane	ND	1	0.18	5	ug/Kg	12/26/16	ZZ	
Bromodichloromethane	ND	1	0.2	5	ug/Kg	12/26/16	ZZ	
Bromoform	ND	1	0.19	5	ug/Kg	12/26/16	ZZ	
Bromomethane	ND	1	0.22	5	ug/Kg	12/26/16	ZZ	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:30	<b>Site:</b>	
<b>Sample #:</b> 385825-106	<b>Client Sample #:</b> Soil Drums	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg		12/26/16	ZZ
Chlorobenzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ
Chlorodibromomethane	ND	1	0.19	5	ug/Kg		12/26/16	ZZ
Chloroethane	ND	1	0.2	5	ug/Kg		12/26/16	ZZ
Chloroform	ND	1	0.17	5	ug/Kg		12/26/16	ZZ
Chloromethane	ND	1	0.21	5	ug/Kg		12/26/16	ZZ
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ
Dibromomethane	ND	1	0.23	5	ug/Kg		12/26/16	ZZ
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg		12/26/16	ZZ
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg		12/26/16	ZZ
Ethylbenzene	ND	1	0.25	5	ug/Kg		12/26/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg		12/26/16	ZZ
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg		12/26/16	ZZ
<b>Isopropylbenzene</b>	<b>0.37 J</b>	1	0.17	5	ug/Kg		12/26/16	ZZ J
<b>m and p-Xylene</b>	<b>1.1 J</b>	1	0.21	5	ug/Kg		12/26/16	ZZ J
Methylene chloride	ND	1	0.22	5	ug/Kg		12/26/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg		12/26/16	ZZ
Naphthalene	ND	1	0.28	5	ug/Kg		12/26/16	ZZ
N-butylbenzene	ND	1	0.16	5	ug/Kg		12/26/16	ZZ
N-propylbenzene	ND	1	0.19	5	ug/Kg		12/26/16	ZZ
<b>o-Xylene</b>	<b>0.62 J</b>	1	0.13	5	ug/Kg		12/26/16	ZZ J
Sec-butylbenzene	ND	1	0.34	5	ug/Kg		12/26/16	ZZ
Styrene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg		12/26/16	ZZ
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg		12/26/16	ZZ
Tert-butylbenzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ
Tetrachloroethene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ
Toluene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg		12/26/16	ZZ
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg		12/26/16	ZZ
Trichloroethene	ND	1	0.39	5	ug/Kg		12/26/16	ZZ
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg		12/26/16	ZZ
Vinyl Chloride	ND	1	0.18	5	ug/Kg		12/26/16	ZZ
<b>Xylenes (Total)</b>	<b>1.7 J</b>	1	0.45	5	ug/Kg		12/26/16	ZZ J
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	138		70-145					
4-Bromofluorobenzene (SUR)	126		70-145					
Dibromodifluoromethane (SUR)	100		70-145					
Toluene-d8 (SUR)	105		70-145					

<b>Matrix:</b> Water	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:20	<b>Site:</b>	
<b>Sample #:</b> 385825-107	<b>Client Sample #:</b> Drum Water	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8015B NELAC	Prep Method: EPA 5030B						QCBatchID: QC1173808	

TPH Gasoline	ND	1	6.6	50	ug/L		12/29/16	EW
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<u>Surrogate</u>	<u>% Recovery</u>	<u>Limits</u>	<u>Notes</u>
4-Bromofluorobenzene (SUR)	99	60-140	

Method: EPA 8081A NELAC	Prep Method: EPA 3510C						QCBatchID: QC1173822	
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4,4'-DDD	ND	1.05	0.01575	0.063	ug/L		12/30/16	LW
4,4'-DDE	ND	1.05	0.01365	0.0525	ug/L		12/30/16	LW
4,4'-DDT	ND	1.05	0.01785	0.063	ug/L		12/30/16	LW
a-BHC	ND	1.05	0.00525	0.042	ug/L		12/30/16	LW
Aldrin	ND	1.05	0.0084	0.1155	ug/L		12/30/16	LW
b-BHC	ND	1.05	0.00525	0.0315	ug/L		12/30/16	LW
Chlordane (technical)	ND	1.05	0.105	0.2625	ug/L		12/30/16	LW
d-BHC	ND	1.05	0.0063	0.0315	ug/L		12/30/16	LW
Dieldrin	ND	1.05	0.0126	0.063	ug/L		12/30/16	LW
Endosulfan I	ND	1.05	0.0063	0.0315	ug/L		12/30/16	LW
Endosulfan II	ND	1.05	0.01155	0.063	ug/L		12/30/16	LW
Endosulfan sulfate	ND	1.05	0.0126	0.063	ug/L		12/30/16	LW
Endrin	ND	1.05	0.01575	0.063	ug/L		12/30/16	LW
Endrin aldehyde	ND	1.05	0.0126	0.1365	ug/L		12/30/16	LW
Endrin Ketone	ND	1.05	0.0126	0.06405	ug/L		12/30/16	LW
Heptachlor	ND	1.05	0.0084	0.084	ug/L		12/30/16	LW
Heptachlor epoxide	ND	1.05	0.0105	0.0525	ug/L		12/30/16	LW
Lindane (Gamma-BHC)	ND	1.05	0.00042	0.0315	ug/L		12/30/16	LW
Methoxychlor	ND	1.05	0.08715	0.5985	ug/L		12/30/16	LW
Toxaphene	ND	1.05	3.255	3.255	ug/L		12/30/16	LW

<u>Surrogate</u>	<u>% Recovery</u>	<u>Limits</u>	<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	31	50-150	S
Tetrachloro-m-xylene TCMX (SUR)	74	50-150	

Method: EPA 8082 NELAC	Prep Method: EPA 3510C						QCBatchID: QC1173984	
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PCB-1016	ND	1.05	0.1365	0.525	ug/L		12/30/16	LW
PCB-1221	ND	1.05	0.252	0.525	ug/L		12/30/16	LW
PCB-1232	ND	1.05	0.126	0.525	ug/L		12/30/16	LW
PCB-1242	ND	1.05	0.07455	0.525	ug/L		12/30/16	LW
PCB-1248	ND	1.05	0.126	0.525	ug/L		12/30/16	LW
PCB-1254	ND	1.05	0.0882	0.525	ug/L		12/30/16	LW
PCB-1260	ND	1.05	0.0861	0.525	ug/L		12/30/16	LW
PCB-1262	ND	1.05	0.08715	0.525	ug/L		12/30/16	LW
PCB-1268	ND	1.05	0.04095	0.525	ug/L		12/30/16	LW

<u>Surrogate</u>	<u>% Recovery</u>	<u>Limits</u>	<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	33	50-150	S

Method: EPA 8260B NELAC	Prep Method: EPA 5030B						QCBatchID: QC1173835	
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1,1,1,2-Tetrachloroethane	ND	1	0.25	5	ug/L		12/31/16	LZ
1,1,1-Trichloroethane	ND	1	0.38	5	ug/L		12/31/16	LZ
1,1,2,2-Tetrachloroethane	ND	1	0.25	5	ug/L		12/31/16	LZ
1,1,2-Trichloroethane	ND	1	0.25	5	ug/L		12/31/16	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	0.29	5	ug/L		12/31/16	LZ
1,1-Dichloroethane	ND	1	0.32	5	ug/L		12/31/16	LZ
1,1-Dichloroethene	ND	1	0.3	5	ug/L		12/31/16	LZ
1,1-Dichloropropene	ND	1	0.25	5	ug/L		12/31/16	LZ
1,2,3-Trichlorobenzene	ND	1	0.28	5	ug/L		12/31/16	LZ
1,2,3-Trichloropropane	ND	1	0.16	5	ug/L		12/31/16	LZ
1,2,4-Trichlorobenzene	ND	1	0.27	5	ug/L		12/31/16	LZ

<b>Matrix:</b> Water	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-107</u>	<b>Client Sample #:</b> Drum Water	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/L		12/31/16	LZ
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L		12/31/16	LZ
1,2-Dibromoethane	ND	1	0.19	5	ug/L		12/31/16	LZ
1,2-Dichlorobenzene	ND	1	0.26	5	ug/L		12/31/16	LZ
1,2-Dichloroethane	ND	1	0.2	5	ug/L		12/31/16	LZ
1,2-Dichloropropane	ND	1	0.36	5	ug/L		12/31/16	LZ
1,3,5-Trimethylbenzene	ND	1	0.24	5	ug/L		12/31/16	LZ
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L		12/31/16	LZ
1,3-Dichloropropane	ND	1	0.19	5	ug/L		12/31/16	LZ
1,4-Dichlorobenzene	ND	1	0.43	5	ug/L		12/31/16	LZ
2,2-Dichloropropane	ND	1	0.32	5	ug/L		12/31/16	LZ
2-Butanone (MEK)	ND	1	0.78	100	ug/L		12/31/16	LZ
2-Chlorotoluene	ND	1	0.33	5	ug/L		12/31/16	LZ
4-Chlorotoluene	ND	1	0.31	5	ug/L		12/31/16	LZ
4-Isopropyltoluene	ND	1	0.32	5	ug/L		12/31/16	LZ
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L		12/31/16	LZ
Acetone	ND	1	10	100	ug/L		12/31/16	LZ
Allyl Chloride	ND	1	0.19	5	ug/L		12/31/16	LZ
Benzene	ND	1	0.18	1	ug/L		12/31/16	LZ
Bromobenzene	ND	1	0.53	5	ug/L		12/31/16	LZ
Bromochloromethane	ND	1	0.17	5	ug/L		12/31/16	LZ
<b>Bromodichloromethane</b>	<b>0.9 J</b>	1	0.31	5	ug/L		12/31/16	LZ J
<b>Bromoform</b>	<b>5.0</b>	1	0.13	5	ug/L		12/31/16	LZ
Bromomethane	ND	1	0.68	5	ug/L		12/31/16	LZ
Carbon Tetrachloride	ND	1	0.27	5	ug/L		12/31/16	LZ
Chlorobenzene	ND	1	0.19	5	ug/L		12/31/16	LZ
<b>Chlorodibromomethane</b>	<b>3.1 J</b>	1	0.21	5	ug/L		12/31/16	LZ J
Chloroethane	ND	1	0.45	5	ug/L		12/31/16	LZ
<b>Chloroform</b>	<b>0.34 J</b>	1	0.18	5	ug/L		12/31/16	LZ J
Chloromethane	ND	1	0.27	5	ug/L		12/31/16	LZ
cis-1,2-Dichloroethene	ND	1	0.27	5	ug/L		12/31/16	LZ
cis-1,3-dichloropropene	ND	1	0.25	5	ug/L		12/31/16	LZ
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L		12/31/16	LZ
Dibromomethane	ND	1	0.23	5	ug/L		12/31/16	LZ
Dichlorodifluoromethane	ND	1	0.33	5	ug/L		12/31/16	LZ
Di-isopropyl ether (DIPE)	ND	1	0.17	1	ug/L		12/31/16	LZ
Ethylbenzene	ND	1	0.21	5	ug/L		12/31/16	LZ
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L		12/31/16	LZ
Hexachlorobutadiene	ND	1	0.51	5	ug/L		12/31/16	LZ
Isopropylbenzene	ND	1	0.24	5	ug/L		12/31/16	LZ
m and p-Xylene	ND	1	0.45	5	ug/L		12/31/16	LZ
<b>Methylene chloride</b>	<b>0.34 J</b>	1	0.16	5	ug/L		12/31/16	LZ J
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L		12/31/16	LZ
Naphthalene	ND	1	0.25	5	ug/L		12/31/16	LZ
N-butylbenzene	ND	1	0.25	5	ug/L		12/31/16	LZ
N-propylbenzene	ND	1	0.31	5	ug/L		12/31/16	LZ
o-Xylene	ND	1	0.29	5	ug/L		12/31/16	LZ
Sec-butylbenzene	ND	1	0.32	5	ug/L		12/31/16	LZ
Styrene	ND	1	0.22	5	ug/L		12/31/16	LZ
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L		12/31/16	LZ
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/L		12/31/16	LZ
Tert-butylbenzene	ND	1	0.4	5	ug/L		12/31/16	LZ
Tetrachloroethene	ND	1	0.8	5	ug/L		12/31/16	LZ



<b>Matrix:</b> Water	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/23/2016 14:20	<b>Site:</b>	
<b>Sample #:</b> <u>385825-107</u>	<b>Client Sample #:</b> Drum Water	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
<b>Toluene</b>	<b>0.25 J</b>	1	0.24	5	ug/L		12/31/16 LZ	J
trans-1,2-dichloroethene	ND	1	0.33	5	ug/L		12/31/16 LZ	
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L		12/31/16 LZ	
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L		12/31/16 LZ	
Trichloroethene	ND	1	0.39	5	ug/L		12/31/16 LZ	
Trichlorofluoromethane	ND	1	0.25	5	ug/L		12/31/16 LZ	
Vinyl Chloride	ND	1	0.18	5	ug/L		12/31/16 LZ	
Xylenes (Total)	ND	1	0.45	5	ug/L		12/31/16 LZ	
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>	<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	92			70-145				
4-Bromofluorobenzene (SUR)	114			70-145				
Dibromodifluoromethane (SUR)	101			70-145				
Toluene-d8 (SUR)	96			70-145				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 12:25	<b>Site:</b>	
<b>Sample #:</b> <u>385825-108</u>	<b>Client Sample #:</b> S1/SG1-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>15</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173683	
1,1,1,2-Tetrachloroethane	ND	0.96	0.2304	4.8	ug/Kg		12/26/16	ZZ
1,1,1-Trichloroethane	ND	0.96	0.144	4.8	ug/Kg		12/26/16	ZZ
1,1,2,2-Tetrachloroethane	ND	0.96	0.2784	4.8	ug/Kg		12/26/16	ZZ
1,1,2-Trichloroethane	ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	0.96	0.7104	4.8	ug/Kg		12/26/16	ZZ
1,1-Dichloroethane	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ
1,1-Dichloroethene	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
1,1-Dichloropropene	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ
1,2,3-Trichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
1,2,3-Trichloropropane	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
1,2,4-Trichlorobenzene	ND	0.96	0.3168	4.8	ug/Kg		12/26/16	ZZ
1,2,4-Trimethylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/26/16	ZZ
1,2-Dibromo-3-chloropropane	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
1,2-Dibromoethane	ND	0.96	0.1152	4.8	ug/Kg		12/26/16	ZZ
1,2-Dichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
1,2-Dichloroethane	ND	0.96	0.1344	4.8	ug/Kg		12/26/16	ZZ
1,2-Dichloropropane	ND	0.96	0.3264	4.8	ug/Kg		12/26/16	ZZ
1,3,5-Trimethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ
1,3-Dichlorobenzene	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ
1,3-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
1,4-Dichlorobenzene	ND	0.96	0.2304	4.8	ug/Kg		12/26/16	ZZ
2,2-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
<b>2-Butanone (MEK)</b>	<b>1.1 J</b>	0.96	0.6912	96	ug/Kg		12/26/16	ZZ J
2-Chloroethyl Vinyl Ether	ND	0.96	0.288	4.8	ug/Kg		12/26/16	ZZ
2-Chlorotoluene	ND	0.96	0.24	4.8	ug/Kg		12/26/16	ZZ
4-Chlorotoluene	ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ
4-Isopropyltoluene	ND	0.96	0.2592	4.8	ug/Kg		12/26/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ
<b>Acetone</b>	<b>13 J</b>	0.96	9.6	96	ug/Kg		12/26/16	ZZ J
Allyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/26/16	ZZ
<b>Benzene</b>	<b>1.7 J</b>	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ J
Bromobenzene	ND	0.96	0.288	4.8	ug/Kg		12/26/16	ZZ
Bromochloromethane	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
Bromodichloromethane	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
Bromoform	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
Bromomethane	ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ
Carbon Tetrachloride	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
Chlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
Chlorodibromomethane	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
Chloroethane	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
Chloroform	ND	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ
Chloromethane	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ
cis-1,2-Dichloroethene	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
cis-1,3-dichloropropene	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
cis-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
Dibromomethane	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ
<b>Dichlorodifluoromethane</b>	<b>2.7 J</b>	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ J
Di-isopropyl ether (DIPE)	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 12:25	<b>Site:</b>	
<b>Sample #:</b> 385825-108	<b>Client Sample #:</b> S1/SG1-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/26/16	ZZ
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/26/16	ZZ
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/26/16	ZZ
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/26/16	ZZ
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/26/16	ZZ
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/26/16	ZZ
N-propylbenzene	ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/26/16	ZZ
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/26/16	ZZ
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/26/16	ZZ
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg		12/26/16	ZZ
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ
<b>Toluene</b>	<b>0.43 J</b>	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ
Trichloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ
Trichlorofluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ
Vinyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/26/16	ZZ
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/26/16	ZZ
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	142		70-145					
4-Bromofluorobenzene (SUR)	110		70-145					
Dibromodifluoromethane (SUR)	108		70-145					
Toluene-d8 (SUR)	103		70-145					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 12:30	<b>Site:</b>	
<b>Sample #:</b> 385825-109	<b>Client Sample #:</b> S1/SG1-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>14</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173683	
1,1,1,2-Tetrachloroethane	ND	0.89	0.2136	4.45	ug/Kg		12/27/16	ZZ
1,1,1-Trichloroethane	ND	0.89	0.1335	4.45	ug/Kg		12/27/16	ZZ
1,1,2,2-Tetrachloroethane	ND	0.89	0.2581	4.45	ug/Kg		12/27/16	ZZ
1,1,2-Trichloroethane	ND	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	0.89	0.6586	4.45	ug/Kg		12/27/16	ZZ
1,1-Dichloroethane	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
1,1-Dichloroethene	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
1,1-Dichloropropene	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ
1,2,3-Trichlorobenzene	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
1,2,3-Trichloropropane	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
1,2,4-Trichlorobenzene	ND	0.89	0.2937	4.45	ug/Kg		12/27/16	ZZ
1,2,4-Trimethylbenzene	ND	0.89	0.2492	4.45	ug/Kg		12/27/16	ZZ
1,2-Dibromo-3-chloropropane	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
1,2-Dibromoethane	ND	0.89	0.1068	4.45	ug/Kg		12/27/16	ZZ
1,2-Dichlorobenzene	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
1,2-Dichloroethane	ND	0.89	0.1246	4.45	ug/Kg		12/27/16	ZZ
1,2-Dichloropropane	ND	0.89	0.3026	4.45	ug/Kg		12/27/16	ZZ
1,3,5-Trimethylbenzene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
1,3-Dichlorobenzene	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ
1,3-Dichloropropane	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
1,4-Dichlorobenzene	ND	0.89	0.2136	4.45	ug/Kg		12/27/16	ZZ
2,2-Dichloropropane	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
2-Butanone (MEK)	ND	0.89	0.6408	89	ug/Kg		12/27/16	ZZ
2-Chloroethyl Vinyl Ether	ND	0.89	0.267	4.45	ug/Kg		12/27/16	ZZ
2-Chlorotoluene	ND	0.89	0.2225	4.45	ug/Kg		12/27/16	ZZ
4-Chlorotoluene	ND	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ
4-Isopropyltoluene	ND	0.89	0.2403	4.45	ug/Kg		12/27/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	0.89	0.1513	4.45	ug/Kg		12/27/16	ZZ
Acetone	ND	0.89	8.9	89	ug/Kg		12/27/16	ZZ
Allyl Chloride	ND	0.89	0.1246	4.45	ug/Kg		12/27/16	ZZ
<b>Benzene</b>	<b>0.76 J</b>	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ J
Bromobenzene	ND	0.89	0.267	4.45	ug/Kg		12/27/16	ZZ
Bromochloromethane	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
Bromodichloromethane	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
Bromoform	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
<b>Bromomethane</b>	<b>1.4 J</b>	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ J
Carbon Tetrachloride	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
Chlorobenzene	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
Chlorodibromomethane	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
Chloroethane	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
Chloroform	ND	0.89	0.1513	4.45	ug/Kg		12/27/16	ZZ
Chloromethane	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ
cis-1,2-Dichloroethene	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
cis-1,3-dichloropropene	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
cis-1,4-dichloro-2-butene	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
Dibromomethane	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ
<b>Dichlorodifluoromethane</b>	<b>13</b>	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
Di-isopropyl ether (DIPE)	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 12:30	<b>Site:</b>	
<b>Sample #:</b> 385825-109	<b>Client Sample #:</b> S1/SG1-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Ethylbenzene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	0.89	0.3738	4.45	ug/Kg		12/27/16	ZZ
Hexachlorobutadiene	ND	0.89	0.3738	4.45	ug/Kg		12/27/16	ZZ
Isopropylbenzene	ND	0.89	0.2225	4.45	ug/Kg		12/27/16	ZZ
m and p-Xylene	ND	0.89	0.3382	4.45	ug/Kg		12/27/16	ZZ
Methylene chloride	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	0.89	0.1513	4.45	ug/Kg		12/27/16	ZZ
Naphthalene	ND	0.89	0.1424	4.45	ug/Kg		12/27/16	ZZ
N-butylbenzene	ND	0.89	0.2225	4.45	ug/Kg		12/27/16	ZZ
N-propylbenzene	ND	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ
o-Xylene	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
Sec-butylbenzene	ND	0.89	0.2492	4.45	ug/Kg		12/27/16	ZZ
Styrene	ND	0.89	0.1157	4.45	ug/Kg		12/27/16	ZZ
t-Butyl alcohol (TBA)	ND	0.89	7.832	8.9	ug/Kg		12/27/16	ZZ
Tert-amylmethylether (TAME)	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
Tert-butylbenzene	ND	0.89	0.3026	4.45	ug/Kg		12/27/16	ZZ
Tetrachloroethene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
<b>Toluene</b>	<b>0.40 J</b>	0.89	0.1513	4.45	ug/Kg		12/27/16	ZZ J
trans-1,2-dichloroethene	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ
trans-1,3-dichloropropene	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ
trans-1,4-dichloro-2-butene	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ
Trichloroethene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
Trichlorofluoromethane	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ
Vinyl Chloride	ND	0.89	0.1246	4.45	ug/Kg		12/27/16	ZZ
Xylenes (Total)	ND	0.89	0.3382	4.45	ug/Kg		12/27/16	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>		
1,2-Dichloroethane-d4 (SUR)		142		70-145				
4-Bromofluorobenzene (SUR)		116		70-145				
Dibromodifluoromethane (SUR)		113		70-145				
Toluene-d8 (SUR)		102		70-145				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 12:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-110</u>	<b>Client Sample #:</b> S1/SG1-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8015M	Prep Method:					QCBatchID: QC1173797		
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>21</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A					QCBatchID: QC1173695		
1,1,1,2-Tetrachloroethane	ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ
1,1,1-Trichloroethane	ND	0.96	0.144	4.8	ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane	ND	0.96	0.2784	4.8	ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	0.96	0.7104	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloroethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloroethene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene	ND	0.96	0.3168	4.8	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane	ND	0.96	0.1152	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichloropropane	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ
1,3,5-Trimethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
1,3-Dichlorobenzene	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
1,3-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
1,4-Dichlorobenzene	ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ
2,2-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
2-Butanone (MEK)	ND	0.96	0.6912	96	ug/Kg		12/29/16	ZZ
2-Chloroethyl Vinyl Ether	ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ
2-Chlorotoluene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
4-Chlorotoluene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
4-Isopropyltoluene	ND	0.96	0.2592	4.8	ug/Kg		12/29/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Acetone	ND	0.96	9.6	96	ug/Kg		12/29/16	ZZ
Allyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
<b>Benzene</b>	<b>0.36 J</b>	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ J
Bromobenzene	ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ
Bromochloromethane	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Bromodichloromethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Bromoform	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Bromomethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
Carbon Tetrachloride	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Chlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Chlorodibromomethane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Chloroethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Chloroform	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Chloromethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
cis-1,2-Dichloroethene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
cis-1,3-dichloropropene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
cis-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Dibromomethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Dichlorodifluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Di-isopropyl ether (DIPE)	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 12:35	<b>Site:</b>	
<b>Sample #:</b> 385825-110	<b>Client Sample #:</b> S1/SG1-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/29/16	ZZ
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
N-propylbenzene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/29/16	ZZ
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/29/16	ZZ
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
<b>Toluene</b>	<b>0.26 J</b>	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Trichloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Trichlorofluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Vinyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	135		70-145					
4-Bromofluorobenzene (SUR)	113		70-145					
Dibromodifluoromethane (SUR)	112		70-145					
Toluene-d8 (SUR)	101		70-145					



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 13:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-111</u>	<b>Client Sample #:</b> S2/SG2-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>1.10</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>97.0</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>8.85</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>6.71</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>8.53</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>4.82</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>21.2</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>24.3</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173695	
1,1,1,2-Tetrachloroethane	ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ
1,1,1-Trichloroethane	ND	0.96	0.144	4.8	ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane	ND	0.96	0.2784	4.8	ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	0.96	0.7104	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloroethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloroethene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene	ND	0.96	0.3168	4.8	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane	ND	0.96	0.1152	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichloropropane	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ
1,3,5-Trimethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
1,3-Dichlorobenzene	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
1,3-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
1,4-Dichlorobenzene	ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ
2,2-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
2-Butanone (MEK)	ND	0.96	0.6912	96	ug/Kg		12/29/16	ZZ
2-Chloroethyl Vinyl Ether	ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ
2-Chlorotoluene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
4-Chlorotoluene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
4-Isopropyltoluene	ND	0.96	0.2592	4.8	ug/Kg		12/29/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Acetone	ND	0.96	9.6	96	ug/Kg		12/29/16	ZZ
Allyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
<b>Benzene</b>	<b>0.46 J</b>	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ J
Bromobenzene	ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ
Bromochloromethane	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 13:35	<b>Site:</b>	
<b>Sample #:</b> 385825-111	<b>Client Sample #:</b> S2/SG2-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Bromodichloromethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Bromoform	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Bromomethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
Carbon Tetrachloride	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Chlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Chlorodibromomethane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Chloroethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Chloroform	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Chloromethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
cis-1,2-Dichloroethene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
cis-1,3-dichloropropene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
cis-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Dibromomethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Dichlorodifluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Di-isopropyl ether (DIPE)	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/29/16	ZZ
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
N-propylbenzene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/29/16	ZZ
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/29/16	ZZ
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
<b>Toluene</b>	<b>0.32 J</b>	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Trichloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Trichlorofluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Vinyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	133		70-145					
4-Bromofluorobenzene (SUR)	112		70-145					
Dibromodifluoromethane (SUR)	114		70-145					
Toluene-d8 (SUR)	100		70-145					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 13:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-112</u>	<b>Client Sample #:</b> S2/SG2-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173759	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.90 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>66.9</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>7.60</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>5.72</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>6.31</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>3.68</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>20.7</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>20.1</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173695	
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg		12/29/16	ZZ
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg		12/29/16	ZZ
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg		12/29/16	ZZ
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg		12/29/16	ZZ
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg		12/29/16	ZZ
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg		12/29/16	ZZ
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg		12/29/16	ZZ
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg		12/29/16	ZZ
2-Chlorotoluene	ND	1	0.25	5	ug/Kg		12/29/16	ZZ
4-Chlorotoluene	ND	1	0.22	5	ug/Kg		12/29/16	ZZ
4-Isopropyltoluene	ND	1	0.27	5	ug/Kg		12/29/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg		12/29/16	ZZ
Acetone	ND	1	10	100	ug/Kg		12/29/16	ZZ
Allyl Chloride	ND	1	0.14	5	ug/Kg		12/29/16	ZZ
<b>Benzene</b>	<b>0.59 J</b>	1	0.18	5	ug/Kg		12/29/16	ZZ J
Bromobenzene	ND	1	0.3	5	ug/Kg		12/29/16	ZZ
Bromochloromethane	ND	1	0.18	5	ug/Kg		12/29/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 13:40	<b>Site:</b>	
<b>Sample #:</b> 385825-112	<b>Client Sample #:</b> S2/SG2-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Bromodichloromethane	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
Bromoform	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
Bromomethane	ND	1	0.22	5	ug/Kg		12/29/16	ZZ
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg		12/29/16	ZZ
Chlorobenzene	ND	1	0.18	5	ug/Kg		12/29/16	ZZ
Chlorodibromomethane	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
Chloroethane	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
Chloroform	ND	1	0.17	5	ug/Kg		12/29/16	ZZ
Chloromethane	ND	1	0.21	5	ug/Kg		12/29/16	ZZ
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
Dibromomethane	ND	1	0.21	5	ug/Kg		12/29/16	ZZ
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg		12/29/16	ZZ
Ethylbenzene	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg		12/29/16	ZZ
Hexachlorobutadiene	ND	1	0.42	5	ug/Kg		12/29/16	ZZ
Isopropylbenzene	ND	1	0.25	5	ug/Kg		12/29/16	ZZ
m and p-Xylene	ND	1	0.38	5	ug/Kg		12/29/16	ZZ
Methylene chloride	ND	1	0.21	5	ug/Kg		12/29/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	0.17	5	ug/Kg		12/29/16	ZZ
Naphthalene	ND	1	0.16	5	ug/Kg		12/29/16	ZZ
N-butylbenzene	ND	1	0.25	5	ug/Kg		12/29/16	ZZ
N-propylbenzene	ND	1	0.22	5	ug/Kg		12/29/16	ZZ
o-Xylene	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
Sec-butylbenzene	ND	1	0.28	5	ug/Kg		12/29/16	ZZ
Styrene	ND	1	0.13	5	ug/Kg		12/29/16	ZZ
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg		12/29/16	ZZ
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
Tert-butylbenzene	ND	1	0.34	5	ug/Kg		12/29/16	ZZ
Tetrachloroethene	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
<b>Toluene</b>	<b>0.26 J</b>	1	0.17	5	ug/Kg		12/29/16	ZZ J
trans-1,2-dichloroethene	ND	1	0.19	5	ug/Kg		12/29/16	ZZ
trans-1,3-dichloropropene	ND	1	0.18	5	ug/Kg		12/29/16	ZZ
trans-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ
Trichloroethene	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
Trichlorofluoromethane	ND	1	0.23	5	ug/Kg		12/29/16	ZZ
Vinyl Chloride	ND	1	0.14	5	ug/Kg		12/29/16	ZZ
Xylenes (Total)	ND	1	0.38	5	ug/Kg		12/29/16	ZZ
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	127		70-145					
4-Bromofluorobenzene (SUR)	129		70-145					
Dibromodifluoromethane (SUR)	115		70-145					
Toluene-d8 (SUR)	104		70-145					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-113</u>	<b>Client Sample #:</b> S3/SG3-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>1.10</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>172</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Cadmium</b>	<b>0.50</b>	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>19.7</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>14.1</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>19.8</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
<b>Lead</b>	<b>0.90</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>11.6</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>41.2</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>47.4</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173695	
1,1,1,2-Tetrachloroethane	ND	0.93	0.2232	4.65	ug/Kg		12/29/16	ZZ
1,1,1-Trichloroethane	ND	0.93	0.1395	4.65	ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane	ND	0.93	0.2697	4.65	ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane	ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	0.93	0.6882	4.65	ug/Kg		12/29/16	ZZ
1,1-Dichloroethane	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
1,1-Dichloroethene	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene	ND	0.93	0.3069	4.65	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene	ND	0.93	0.2604	4.65	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane	ND	0.93	0.1116	4.65	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane	ND	0.93	0.1302	4.65	ug/Kg		12/29/16	ZZ
1,2-Dichloropropane	ND	0.93	0.3162	4.65	ug/Kg		12/29/16	ZZ
1,3,5-Trimethylbenzene	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
1,3-Dichlorobenzene	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ
1,3-Dichloropropane	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
1,4-Dichlorobenzene	ND	0.93	0.2232	4.65	ug/Kg		12/29/16	ZZ
2,2-Dichloropropane	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
<b>2-Butanone (MEK)</b>	<b>1.1 J</b>	0.93	0.6696	93	ug/Kg		12/29/16	ZZ J
2-Chloroethyl Vinyl Ether	ND	0.93	0.279	4.65	ug/Kg		12/29/16	ZZ
2-Chlorotoluene	ND	0.93	0.2325	4.65	ug/Kg		12/29/16	ZZ
4-Chlorotoluene	ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ
4-Isopropyltoluene	ND	0.93	0.2511	4.65	ug/Kg		12/29/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	0.93	0.1581	4.65	ug/Kg		12/29/16	ZZ
<b>Acetone</b>	<b>16 J</b>	0.93	9.3	93	ug/Kg		12/29/16	ZZ J
Allyl Chloride	ND	0.93	0.1302	4.65	ug/Kg		12/29/16	ZZ
<b>Benzene</b>	<b>1.6 J</b>	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ J
Bromobenzene	ND	0.93	0.279	4.65	ug/Kg		12/29/16	ZZ
Bromochloromethane	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 14:35	<b>Site:</b>	
<b>Sample #:</b> 385825-113	<b>Client Sample #:</b> S3/SG3-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Bromodichloromethane	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
Bromoform	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
Bromomethane	ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ
Carbon Tetrachloride	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ
Chlorobenzene	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ
Chlorodibromomethane	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
Chloroethane	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
Chloroform	ND	0.93	0.1581	4.65	ug/Kg		12/29/16	ZZ
Chloromethane	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ
cis-1,2-Dichloroethene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
cis-1,3-dichloropropene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
cis-1,4-dichloro-2-butene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
Dibromomethane	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ
Dichlorodifluoromethane	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
Di-isopropyl ether (DIPE)	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ
Ethylbenzene	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	0.93	0.3906	4.65	ug/Kg		12/29/16	ZZ
Hexachlorobutadiene	ND	0.93	0.3906	4.65	ug/Kg		12/29/16	ZZ
Isopropylbenzene	ND	0.93	0.2325	4.65	ug/Kg		12/29/16	ZZ
m and p-Xylene	ND	0.93	0.3534	4.65	ug/Kg		12/29/16	ZZ
Methylene chloride	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	0.93	0.1581	4.65	ug/Kg		12/29/16	ZZ
Naphthalene	ND	0.93	0.1488	4.65	ug/Kg		12/29/16	ZZ
N-butylbenzene	ND	0.93	0.2325	4.65	ug/Kg		12/29/16	ZZ
N-propylbenzene	ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ
o-Xylene	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
Sec-butylbenzene	ND	0.93	0.2604	4.65	ug/Kg		12/29/16	ZZ
Styrene	ND	0.93	0.1209	4.65	ug/Kg		12/29/16	ZZ
t-Butyl alcohol (TBA)	ND	0.93	8.184	9.3	ug/Kg		12/29/16	ZZ
Tert-amylmethylether (TAME)	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
Tert-butylbenzene	ND	0.93	0.3162	4.65	ug/Kg		12/29/16	ZZ
Tetrachloroethene	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
<b>Toluene</b>	<b>0.53 J</b>	0.93	0.1581	4.65	ug/Kg		12/29/16	ZZ J
trans-1,2-dichloroethene	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ
trans-1,3-dichloropropene	ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ
trans-1,4-dichloro-2-butene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ
Trichloroethene	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
Trichlorofluoromethane	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ
Vinyl Chloride	ND	0.93	0.1302	4.65	ug/Kg		12/29/16	ZZ
Xylenes (Total)	ND	0.93	0.3534	4.65	ug/Kg		12/29/16	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>		
1,2-Dichloroethane-d4 (SUR)		136		70-145				
4-Bromofluorobenzene (SUR)		119		70-145				
Dibromodifluoromethane (SUR)		119		70-145				
Toluene-d8 (SUR)		100		70-145				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 14:40	<b>Site:</b>	
<b>Sample #:</b> 385825-114	<b>Client Sample #:</b> S3/SG3-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.82 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>66.1</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>6.08</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>5.73</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>5.97</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>3.26</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>18.7</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>18.3</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173695	
1,1,1,2-Tetrachloroethane	ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ
1,1,1-Trichloroethane	ND	0.96	0.144	4.8	ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane	ND	0.96	0.2784	4.8	ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	0.96	0.7104	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloroethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloroethene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene	ND	0.96	0.3168	4.8	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane	ND	0.96	0.1152	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
1,2-Dichloropropane	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ
1,3,5-Trimethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
1,3-Dichlorobenzene	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
1,3-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
1,4-Dichlorobenzene	ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ
2,2-Dichloropropane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
2-Butanone (MEK)	ND	0.96	0.6912	96	ug/Kg		12/29/16	ZZ
2-Chloroethyl Vinyl Ether	ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ
2-Chlorotoluene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
4-Chlorotoluene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
4-Isopropyltoluene	ND	0.96	0.2592	4.8	ug/Kg		12/29/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Acetone	ND	0.96	9.6	96	ug/Kg		12/29/16	ZZ
Allyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
<b>Benzene</b>	<b>0.44 J</b>	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ J
Bromobenzene	ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ
Bromochloromethane	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 14:40	<b>Site:</b>	
<b>Sample #:</b> 385825-114	<b>Client Sample #:</b> S3/SG3-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Bromodichloromethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Bromoform	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Bromomethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
Carbon Tetrachloride	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Chlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
Chlorodibromomethane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Chloroethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Chloroform	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Chloromethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
cis-1,2-Dichloroethene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
cis-1,3-dichloropropene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
cis-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Dibromomethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Dichlorodifluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Di-isopropyl ether (DIPE)	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/29/16	ZZ
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ
N-propylbenzene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/29/16	ZZ
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/29/16	ZZ
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
<b>Toluene</b>	<b>0.28 J</b>	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ
Trichloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Trichlorofluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ
Vinyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>		
1,2-Dichloroethane-d4 (SUR)		138		70-145				
4-Bromofluorobenzene (SUR)		117		70-145				
Dibromodifluoromethane (SUR)		120		70-145				
Toluene-d8 (SUR)		101		70-145				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 11:05	<b>Site:</b>	
<b>Sample #:</b> 385825-115	<b>Client Sample #:</b> S50/SG4-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>1.60</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>174</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Cadmium</b>	<b>0.39 J</b>	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN J
<b>Chromium</b>	<b>17.3</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>13.2</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>19.0</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
<b>Lead</b>	<b>0.40 J</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN J
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>10.4</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
<b>Selenium</b>	<b>1.53</b>	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>36.8</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>51.5</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>19</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	69			50-150				
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173695	
1,1,1,2-Tetrachloroethane	ND	1.06	0.2544	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1,1-Trichloroethane	ND	1.06	0.159	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1,2,2-Tetrachloroethane	ND	1.06	0.3074	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1,2-Trichloroethane	ND	1.06	0.2332	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1.06	0.7844	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1-Dichloroethane	ND	1.06	0.2438	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1-Dichloroethene	ND	1.06	0.1908	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,1-Dichloropropene	ND	1.06	0.2226	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2,3-Trichlorobenzene	ND	1.06	0.1908	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2,3-Trichloropropane	ND	1.06	0.212	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2,4-Trichlorobenzene	ND	1.06	0.3498	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2,4-Trimethylbenzene	ND	1.06	0.2968	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2-Dibromo-3-chloropropane	ND	1.06	0.212	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2-Dibromoethane	ND	1.06	0.1272	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2-Dichlorobenzene	ND	1.06	0.1908	5.3	ug/Kg	12/28/16	12/28/16	ZZ
1,2-Dichloroethane	ND	1.06	0.1484	5.3	ug/Kg	12/28/16	12/28/16	ZZ



Matrix: Solid

Client: CES Group, Inc.

Collector: Client

Sampled: 12/22/2016 11:05

Site:

Sample #: 385825-115

Client Sample #: S50/SG4-5'

Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
1,2-Dichloropropane	ND	1.06	0.3604	5.3	ug/Kg		12/28/16	ZZ
1,3,5-Trimethylbenzene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ
1,3-Dichlorobenzene	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ
1,3-Dichloropropane	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
1,4-Dichlorobenzene	ND	1.06	0.2544	5.3	ug/Kg		12/28/16	ZZ
2,2-Dichloropropane	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
2-Butanone (MEK)	ND	1.06	0.7632	106	ug/Kg		12/28/16	ZZ
2-Chloroethyl Vinyl Ether	ND	1.06	0.318	5.3	ug/Kg		12/28/16	ZZ
2-Chlorotoluene	ND	1.06	0.265	5.3	ug/Kg		12/28/16	ZZ
4-Chlorotoluene	ND	1.06	0.2332	5.3	ug/Kg		12/28/16	ZZ
4-Isopropyltoluene	ND	1.06	0.2862	5.3	ug/Kg		12/28/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	1.06	0.1802	5.3	ug/Kg		12/28/16	ZZ
Acetone	ND	1.06	10.6	106	ug/Kg		12/28/16	ZZ
Allyl Chloride	ND	1.06	0.1484	5.3	ug/Kg		12/28/16	ZZ
<b>Benzene</b>	<b>0.39 J</b>	1.06	0.1908	5.3	ug/Kg		12/28/16	ZZ J
Bromobenzene	ND	1.06	0.318	5.3	ug/Kg		12/28/16	ZZ
Bromochloromethane	ND	1.06	0.1908	5.3	ug/Kg		12/28/16	ZZ
Bromodichloromethane	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ
Bromoform	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
Bromomethane	ND	1.06	0.2332	5.3	ug/Kg		12/28/16	ZZ
Carbon Tetrachloride	ND	1.06	0.1908	5.3	ug/Kg		12/28/16	ZZ
Chlorobenzene	ND	1.06	0.1908	5.3	ug/Kg		12/28/16	ZZ
Chlorodibromomethane	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
Chloroethane	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ
Chloroform	ND	1.06	0.1802	5.3	ug/Kg		12/28/16	ZZ
Chloromethane	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ
cis-1,2-Dichloroethene	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ
cis-1,3-dichloropropene	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ
cis-1,4-dichloro-2-butene	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ
Dibromomethane	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ
Dichlorodifluoromethane	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ
Di-isopropyl ether (DIPE)	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ
Ethylbenzene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	1.06	0.4452	5.3	ug/Kg		12/28/16	ZZ
Hexachlorobutadiene	ND	1.06	0.4452	5.3	ug/Kg		12/28/16	ZZ
Isopropylbenzene	ND	1.06	0.265	5.3	ug/Kg		12/28/16	ZZ
m and p-Xylene	ND	1.06	0.4028	5.3	ug/Kg		12/28/16	ZZ
Methylene chloride	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1.06	0.1802	5.3	ug/Kg		12/28/16	ZZ
Naphthalene	ND	1.06	0.1696	5.3	ug/Kg		12/28/16	ZZ
N-butylbenzene	ND	1.06	0.265	5.3	ug/Kg		12/28/16	ZZ
N-propylbenzene	ND	1.06	0.2332	5.3	ug/Kg		12/28/16	ZZ
o-Xylene	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
Sec-butylbenzene	ND	1.06	0.2968	5.3	ug/Kg		12/28/16	ZZ
Styrene	ND	1.06	0.1378	5.3	ug/Kg		12/28/16	ZZ
t-Butyl alcohol (TBA)	ND	1.06	9.328	10.6	ug/Kg		12/28/16	ZZ
Tert-amylmethylether (TAME)	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
Tert-butylbenzene	ND	1.06	0.3604	5.3	ug/Kg		12/28/16	ZZ
Tetrachloroethene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ
<b>Toluene</b>	<b>0.25 J</b>	1.06	0.1802	5.3	ug/Kg		12/28/16	ZZ J
trans-1,2-dichloroethene	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ
trans-1,3-dichloropropene	ND	1.06	0.1908	5.3	ug/Kg		12/28/16	ZZ
trans-1,4-dichloro-2-butene	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 11:05	<b>Site:</b>	
<b>Sample #:</b> <u>385825-115</u>	<b>Client Sample #:</b> S50/SG4-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Trichloroethene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ
Trichlorofluoromethane	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ
Vinyl Chloride	ND	1.06	0.1484	5.3	ug/Kg		12/28/16	ZZ
Xylenes (Total)	ND	1.06	0.4028	5.3	ug/Kg		12/28/16	ZZ
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>			
1,2-Dichloroethane-d4 (SUR)	131		70-145					
4-Bromofluorobenzene (SUR)	117		70-145					
Dibromodifluoromethane (SUR)	110		70-145					
Toluene-d8 (SUR)	101		70-145					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 11:10	<b>Site:</b>	
<b>Sample #:</b> 385825-116	<b>Client Sample #:</b> S50/SG4-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>1.25</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>87.4</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>9.76</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>7.53</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>8.43</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>4.62</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>25.8</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>24.9</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>19</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	60			50-150				
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5035A						QCBatchID: QC1173695	
1,1,1,2-Tetrachloroethane	ND	1.04	0.2496	5.2	ug/Kg		12/29/16	ZZ
1,1,1-Trichloroethane	ND	1.04	0.156	5.2	ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane	ND	1.04	0.3016	5.2	ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1.04	0.7696	5.2	ug/Kg		12/29/16	ZZ
1,1-Dichloroethane	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ
1,1-Dichloroethene	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene	ND	1.04	0.3432	5.2	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene	ND	1.04	0.2912	5.2	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane	ND	1.04	0.1248	5.2	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane	ND	1.04	0.1456	5.2	ug/Kg		12/29/16	ZZ

Matrix: Solid

Client: CES Group, Inc.

Collector: Client

Sampled: 12/22/2016 11:10

Site:

Sample #: 385825-116

Client Sample #: S50/SG4-10'

Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
1,2-Dichloropropane	ND	1.04	0.3536	5.2	ug/Kg		12/29/16	ZZ
1,3,5-Trimethylbenzene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ
1,3-Dichlorobenzene	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ
1,3-Dichloropropane	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
1,4-Dichlorobenzene	ND	1.04	0.2496	5.2	ug/Kg		12/29/16	ZZ
2,2-Dichloropropane	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
2-Butanone (MEK)	ND	1.04	0.7488	104	ug/Kg		12/29/16	ZZ
2-Chloroethyl Vinyl Ether	ND	1.04	0.312	5.2	ug/Kg		12/29/16	ZZ
2-Chlorotoluene	ND	1.04	0.26	5.2	ug/Kg		12/29/16	ZZ
4-Chlorotoluene	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ
4-Isopropyltoluene	ND	1.04	0.2808	5.2	ug/Kg		12/29/16	ZZ
4-Methyl-2-pentanone (MIBK)	ND	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ
Acetone	ND	1.04	10.4	104	ug/Kg		12/29/16	ZZ
Allyl Chloride	ND	1.04	0.1456	5.2	ug/Kg		12/29/16	ZZ
<b>Benzene</b>	<b>0.47 J</b>	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ J
Bromobenzene	ND	1.04	0.312	5.2	ug/Kg		12/29/16	ZZ
Bromochloromethane	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
Bromodichloromethane	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
Bromoform	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
Bromomethane	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ
Carbon Tetrachloride	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
Chlorobenzene	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
Chlorodibromomethane	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
Chloroethane	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
Chloroform	ND	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ
Chloromethane	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ
cis-1,2-Dichloroethene	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
cis-1,3-dichloropropene	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
cis-1,4-dichloro-2-butene	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
Dibromomethane	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ
<b>Dichlorodifluoromethane</b>	<b>2.6 J</b>	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ J
Di-isopropyl ether (DIPE)	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ
Ethylbenzene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ
Ethyl-tertbutylether (ETBE)	ND	1.04	0.4368	5.2	ug/Kg		12/29/16	ZZ
Hexachlorobutadiene	ND	1.04	0.4368	5.2	ug/Kg		12/29/16	ZZ
Isopropylbenzene	ND	1.04	0.26	5.2	ug/Kg		12/29/16	ZZ
m and p-Xylene	ND	1.04	0.3952	5.2	ug/Kg		12/29/16	ZZ
Methylene chloride	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ
Naphthalene	ND	1.04	0.1664	5.2	ug/Kg		12/29/16	ZZ
N-butylbenzene	ND	1.04	0.26	5.2	ug/Kg		12/29/16	ZZ
N-propylbenzene	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ
o-Xylene	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
Sec-butylbenzene	ND	1.04	0.2912	5.2	ug/Kg		12/29/16	ZZ
Styrene	ND	1.04	0.1352	5.2	ug/Kg		12/29/16	ZZ
t-Butyl alcohol (TBA)	ND	1.04	9.152	10.4	ug/Kg		12/29/16	ZZ
Tert-amylmethylether (TAME)	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
Tert-butylbenzene	ND	1.04	0.3536	5.2	ug/Kg		12/29/16	ZZ
Tetrachloroethene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ
<b>Toluene</b>	<b>0.34 J</b>	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ J
trans-1,2-dichloroethene	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ
trans-1,3-dichloropropene	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
trans-1,4-dichloro-2-butene	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 11:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-116</u>	<b>Client Sample #:</b> S50/SG4-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Trichloroethene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ
Trichlorofluoromethane	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ
Vinyl Chloride	ND	1.04	0.1456	5.2	ug/Kg		12/29/16	ZZ
Xylenes (Total)	ND	1.04	0.3952	5.2	ug/Kg		12/29/16	ZZ
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
1,2-Dichloroethane-d4 (SUR)	134			70-145				
4-Bromofluorobenzene (SUR)	112			70-145				
Dibromodifluoromethane (SUR)	115			70-145				
Toluene-d8 (SUR)	100			70-145				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 09:10	<b>Site:</b>	
<b>Sample #:</b> <u>385825-117</u>	<b>Client Sample #:</b> S59-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
Arsenic	1.12	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
Barium	162	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	0.49 J	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN J
Chromium	16.6	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
Cobalt	12.6	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
Copper	17.7	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
Nickel	9.94	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	1.68	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
Vanadium	33.7	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
Zinc	43.1	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
TPH (C28 to C40)	20	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>				<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	51			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 09:15	<b>Site:</b>	
<b>Sample #:</b> 385825-118	<b>Client Sample #:</b> S59-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.68 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>77.7</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>6.67</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>6.04</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>6.59</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>3.80</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>19.1</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>20.3</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A NELAC	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>15</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 NELAC	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>			<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)			72		50-150			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 09:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-119</u>	<b>Client Sample #:</b> S60-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.83 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>180</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Cadmium</b>	<b>0.78</b>	1	0.21	0.5	mg/Kg	12/28/16	01/04/17	JN
<b>Chromium</b>	<b>19.5</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>14.6</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>20.6</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
<b>Lead</b>	<b>0.46 J</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN J
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>11.7</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
<b>Selenium</b>	<b>1.36</b>	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>37.9</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>49.2</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>14</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	55			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 09:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-120</u>	<b>Client Sample #:</b> S60-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.58 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>62.5</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>5.99</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>7.34</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>6.76</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>3.92</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>19.4</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>18.3</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>19</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	55			50-150				



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 08:50	<b>Site:</b>	
<b>Sample #:</b> <u>385825-121</u>	<b>Client Sample #:</b> S61-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>1.14</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>190</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Cadmium</b>	<b>0.49 J</b>	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN J
<b>Chromium</b>	<b>19.1</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>14.4</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>20.3</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
<b>Lead</b>	<b>0.47 J</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN J
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>11.4</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
<b>Selenium</b>	<b>1.12</b>	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>38.8</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>48.6</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>19</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	66			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 09:00	<b>Site:</b>	
<b>Sample #:</b> <u>385825-122</u>	<b>Client Sample #:</b> S61-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.79 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>90.2</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>6.51</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>5.16</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>5.27</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
<b>Lead</b>	<b>0.75</b>	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>3.30</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>18.1</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>18.6</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>15</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	63			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 08:20	<b>Site:</b>	
<b>Sample #:</b> 385825-123	<b>Client Sample #:</b> S62-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.61 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>167</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Cadmium</b>	<b>0.57</b>	1	0.21	0.5	mg/Kg	12/28/16	12/30/16	JN
<b>Chromium</b>	<b>18.7</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>13.8</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>18.3</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>10.7</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>36.4</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>45.8</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>17</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>			<u>% Recovery</u>		<u>Limits</u>			<u>Notes</u>
Decachlorobiphenyl DCB (SUR)			72		50-150			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 08:30	<b>Site:</b>	
<b>Sample #:</b> <u>385825-124</u>	<b>Client Sample #:</b> S62-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.56 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>49.7</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>5.25</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>4.18</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>7.28</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>2.55</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>14.3</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>13.8</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
<b>TPH (C28 to C40)</b>	<b>17</b>	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	96			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 10:35	<b>Site:</b>	
<b>Sample #:</b> <u>385825-125</u>	<b>Client Sample #:</b> S63-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>1.08</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
<b>Barium</b>	<b>84.0</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>9.32</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>7.63</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>9.24</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>4.40</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>23.2</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>25.0</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
<b>TPH (C28 to C40)</b>	<b>16</b>	1		50	mg/Kg	12/28/16	12/30/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>			<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)			68		50-150			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 10:40	<b>Site:</b>	
<b>Sample #:</b> <u>385825-126</u>	<b>Client Sample #:</b> S63-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.98 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>67.3</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>6.72</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>5.95</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>8.71</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>3.85</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>20.2</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>19.2</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
<b>TPH (C28 to C40)</b>	<b>13</b>	1		50	mg/Kg	12/28/16	12/30/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>			<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)			54		50-150			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 10:15	<b>Site:</b>	
<b>Sample #:</b> <u>385825-127</u>	<b>Client Sample #:</b> S64-5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.97 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>155</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Cadmium</b>	<b>0.48 J</b>	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN J
<b>Chromium</b>	<b>15.5</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>12.0</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>16.8</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>8.90</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
<b>Selenium</b>	<b>0.83 J</b>	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN J
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>33.9</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>38.3</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A <i>NELAC</i>	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
<b>TPH (C28 to C40)</b>	<b>12</b>	1		50	mg/Kg	12/28/16	12/30/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
Method: EPA 8082 <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	58			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/22/2016 10:25	<b>Site:</b>	
<b>Sample #:</b> 385825-128	<b>Client Sample #:</b> S64-10'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1173760	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
<b>Arsenic</b>	<b>0.55 J</b>	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN J
<b>Barium</b>	<b>60.8</b>	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Chromium</b>	<b>4.03</b>	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Cobalt</b>	<b>4.64</b>	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Copper</b>	<b>6.40</b>	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
<b>Nickel</b>	<b>2.37</b>	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
<b>Vanadium</b>	<b>14.7</b>	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
<b>Zinc</b>	<b>16.0</b>	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A NELAC	Prep Method: EPA 7471A						QCBatchID: QC1173955	
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:						QCBatchID: QC1173797	
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
<b>TPH (C28 to C40)</b>	<b>12</b>	1		50	mg/Kg	12/28/16	12/30/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
Method: EPA 8082 NELAC	Prep Method: EPA 3545						QCBatchID: QC1173791	
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	60			50-150				

<b>Matrix:</b> Water	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 12/29/2016 14:20	<b>Site:</b>	
<b>Sample #:</b> 385825-129	<b>Client Sample #:</b> Drum Water	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8015B NELAC	Prep Method: EPA 3510C						QCBatchID: QC1174000	
<b>TPH (C10 to C28)</b>	<b>0.87</b>	1	0.04	0.2	mg/L	01/01/17	01/04/17	LT
TPH (C28 to C40)	ND	1	0.07	0.3	mg/L	01/01/17	01/04/17	LT
TPH (C8 to C10)	ND	1	0.06	0.2	mg/L	01/01/17	01/04/17	LT
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Triacantane (SUR)	65			50-150				



QCBatchID: **QC1173682**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/25/2016

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173682MB1</b>					
4,4'-DDD	ND	mg/Kg	0.67	5	
4,4'-DDE	ND	mg/Kg	0.57	5	
4,4'-DDT	ND	mg/Kg	0.95	5	
a-BHC	ND	mg/Kg	0.2	5	
Aldrin	ND	mg/Kg	0.34	5	
b-BHC	ND	mg/Kg	1.2	5	
Chlordane (technical)	ND	mg/Kg	12	50	
cis-chlordane	ND	mg/Kg			
d-BHC	ND	mg/Kg	0.45	5	
Dieldrin	ND	mg/Kg	0.63	5	
Endosulfan I	ND	mg/Kg	0.28	5	
Endosulfan II	ND	mg/Kg	0.8	5	
Endosulfan sulfate	ND	mg/Kg	1.7	5	
Endrin	ND	mg/Kg	0.62	5	
Endrin aldehyde	ND	mg/Kg	0.9	5	
Endrin Ketone	ND	mg/Kg	1.2	5	
Heptachlor	ND	mg/Kg	0.44	5	
Heptachlor epoxide	ND	mg/Kg	0.27	5	
Hexachlorobenzene	ND	mg/Kg			
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5	
Methoxychlor	ND	mg/Kg	5.2	10	
Toxaphene	ND	mg/Kg	12	100	
trans-chlordane	ND	mg/Kg			

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173682LCS1											
4,4'-DDE	0.005		0.004		mg/Kg	80			70-130		
4,4'-DDT	0.005		0.004		mg/Kg	80			70-130		
a-BHC	0.005		0.004		mg/Kg	80			70-130		
Aldrin	0.005		0.004		mg/Kg	80			70-130		
b-BHC	0.005		0.004		mg/Kg	80			70-130		
d-BHC	0.005		0.004		mg/Kg	80			70-130		
Dieldrin	0.005		0.004		mg/Kg	80			70-130		
Endosulfan I	0.005		0.004		mg/Kg	80			70-130		
Endosulfan II	0.005		0.004		mg/Kg	80			70-130		
Endosulfan sulfate	0.005		0.004		mg/Kg	80			70-130		
Endrin	0.005		0.004		mg/Kg	80			70-130		
Endrin aldehyde	0.005		0.004		mg/Kg	80			70-130		
Heptachlor	0.005		0.004		mg/Kg	80			70-130		
Heptachlor epoxide	0.005		0.004		mg/Kg	80			70-130		
Lindane (Gamma-BHC)	0.005		0.004		mg/Kg	80			70-130		
Methoxychlor	0.005		0.004		mg/Kg	80			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173682MS1, QC1173682MSD1												Source: 385747-061
4,4'-DDE	0.011	0.005	0.005	0.013	0.018	mg/Kg	40	140	32.3	70-130	20	M
4,4'-DDT	0.006	0.005	0.005	0.009	0.010	mg/Kg	60	80	158.3	70-130	20	M

Source: 385747-061

QCBatchID: **QC1173682**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/25/2016

Instrument: SVOA-GC (group)

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes	
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD		
QC1173682MS1, QC1173682MSD1													Source: 385747-061
a-BHC	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	M	
Aldrin	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M	
b-BHC	ND	0.005	0.005	0.003	0.005	mg/Kg	60	100	50.0	70-130	20	M	
d-BHC	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	133.3	70-130	20	M	
Dieldrin	0.001	0.005	0.005	0.003	0.009	mg/Kg	40	160	97.1	70-130	20	M	
Endosulfan I	ND	0.005	0.005	0.002	0.004	mg/Kg	40	80	66.7	70-130	20	M	
Endosulfan II	ND	0.005	0.005	0.001	0.004	mg/Kg	20	80	85.7	70-130	20	M	
Endosulfan sulfate	ND	0.005	0.005	0.000	0.002	mg/Kg	0	40	66.7	70-130	20	M	
Endrin	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	88.9	70-130	20	M	
Endrin aldehyde	ND	0.005	0.005	0.001	0.003	mg/Kg	20	60	107.7	70-130	20	M	
Heptachlor	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M	
Heptachlor epoxide	ND	0.005	0.005	0.002	0.005	mg/Kg	40	100	85.7	70-130	20	M	
Lindane (Gamma-BHC)	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	M	
Methoxychlor	ND	0.005	0.005	0.001	0.006	mg/Kg	20	120	28.6	70-130	20	M	

QCBatchID: **QC1173683**

Analyst: nicollez

Method: EPA 8260B

Matrix: Solid

Analyzed: 12/26/2016

Instrument: VOA-MS (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173683MB1</b>					
1,1,1,2-Tetrachloroethane	ND	ug/Kg	0.24	5	
1,1,1-Trichloroethane	ND	ug/Kg	0.15	5	
1,1,2,2-Tetrachloroethane	ND	ug/Kg	0.29	5	
1,1,2-Trichloroethane	ND	ug/Kg	0.22	5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg	0.74	5	
1,1-Dichloroethane	ND	ug/Kg	0.23	5	
1,1-Dichloroethene	ND	ug/Kg	0.18	5	
1,1-Dichloropropene	ND	ug/Kg	0.21	5	
1,2,3-Trichlorobenzene	ND	ug/Kg	0.18	5	
1,2,3-Trichloropropane	ND	ug/Kg	0.2	5	
1,2,4-Trichlorobenzene	ND	ug/Kg	0.33	5	
1,2,4-Trimethylbenzene	ND	ug/Kg	0.28	5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg	0.2	5	
1,2-Dibromoethane	ND	ug/Kg	0.12	5	
1,2-Dichlorobenzene	ND	ug/Kg	0.18	5	
1,2-Dichloroethane	ND	ug/Kg	0.14	5	
1,2-Dichloropropane	ND	ug/Kg	0.34	5	
1,3,5-Trimethylbenzene	ND	ug/Kg	0.23	5	
1,3-Dichlorobenzene	ND	ug/Kg	0.21	5	
1,3-Dichloropropane	ND	ug/Kg	0.19	5	
1,4-Dichlorobenzene	ND	ug/Kg	0.24	5	
2,2-Dichloropropane	ND	ug/Kg	0.19	5	
2-Butanone (MEK)	ND	ug/Kg	0.72	100	
2-Chloroethyl Vinyl Ether	ND	ug/Kg	0.3	5	
2-Chlorotoluene	ND	ug/Kg	0.25	5	
4-Chlorotoluene	ND	ug/Kg	0.22	5	
4-Isopropyltoluene	ND	ug/Kg	0.27	5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	0.17	5	
Acetone	ND	ug/Kg	10	100	
Allyl Chloride	ND	ug/Kg	0.14	5	
Benzene	ND	ug/Kg	0.18	5	
Bromobenzene	ND	ug/Kg	0.3	5	
Bromochloromethane	ND	ug/Kg	0.18	5	
Bromodichloromethane	ND	ug/Kg	0.2	5	
Bromoform	ND	ug/Kg	0.19	5	
Bromomethane	ND	ug/Kg	0.22	5	
Carbon Tetrachloride	ND	ug/Kg	0.18	5	
Chlorobenzene	ND	ug/Kg	0.18	5	
Chlorodibromomethane	ND	ug/Kg	0.19	5	
Chloroethane	ND	ug/Kg	0.2	5	
Chloroform	ND	ug/Kg	0.17	5	
Chloromethane	ND	ug/Kg	0.21	5	
cis-1,2-Dichloroethene	ND	ug/Kg	0.2	5	
cis-1,3-dichloropropene	ND	ug/Kg	0.2	5	
cis-1,4-dichloro-2-butene	ND	ug/Kg	0.2	5	
Dibromomethane	ND	ug/Kg	0.23	5	
Dichlorodifluoromethane	ND	ug/Kg	0.23	5	
Di-isopropyl ether (DIPE)	ND	ug/Kg	0.21	5	
Ethylbenzene	ND	ug/Kg	0.25	5	
Ethyl-terbutylether (ETBE)	ND	ug/Kg	0.42	5	
Hexachlorobutadiene	ND	ug/Kg	0.38	5	

QCBatchID: **QC1173683**

Analyst: nicollez

Method: EPA 8260B

Matrix: Solid

Analyzed: 12/26/2016

Instrument: VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173683MB1</b>					
Isopropylbenzene	ND	ug/Kg	0.17	5	
m and p-Xylene	ND	ug/Kg	0.21	5	
Methylene chloride	ND	ug/Kg	0.22	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg	0.25	5	
Naphthalene	ND	ug/Kg	0.28	5	
N-butylbenzene	ND	ug/Kg	0.16	5	
N-propylbenzene	ND	ug/Kg	0.19	5	
o-Xylene	ND	ug/Kg	0.13	5	
Sec-butylbenzene	ND	ug/Kg	0.34	5	
Styrene	ND	ug/Kg	0.23	5	
t-Butyl alcohol (TBA)	ND	ug/Kg	8.8	10	
Tert-amylmethylether (TAME)	ND	ug/Kg	0.19	5	
Tert-butylbenzene	ND	ug/Kg	0.18	5	
Tetrachloroethene	ND	ug/Kg	0.2	5	
Toluene	ND	ug/Kg	0.23	5	
trans-1,2-dichloroethene	ND	ug/Kg	0.23	5	
trans-1,3-dichloropropene	ND	ug/Kg	0.14	5	
trans-1,4-dichloro-2-butene	ND	ug/Kg	0.38	5	
Trichloroethene	ND	ug/Kg	0.39	5	
Trichlorofluoromethane	ND	ug/Kg	0.25	5	
Vinyl Chloride	ND	ug/Kg	0.18	5	
Xylenes (Total)	ND	ug/Kg	0.45	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173683LCS1											
1,1-Dichloroethene	50		47		ug/Kg	94			59-172		
Benzene	50		45		ug/Kg	90			62-137		
Chlorobenzene	50		49		ug/Kg	98			60-133		
Methyl-t-butyl Ether (MTBE)	50		49		ug/Kg	98			62-137		
Toluene	50		51		ug/Kg	102			59-139		
Trichloroethene	50		47		ug/Kg	94			66-142		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173683MS1, QC1173683MSD1											Source: 385825-106	
1,1-Dichloroethene	ND	50	50	47	46	ug/Kg	94	92	2.2	59-172	22	
Benzene	ND	50	50	46	45	ug/Kg	92	90	2.2	62-137	24	
Chlorobenzene	ND	50	50	50	49	ug/Kg	100	98	2.0	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	52	52	ug/Kg	104	104	0.0	62-137	21	
Toluene	ND	50	50	50	50	ug/Kg	100	100	0.0	59-139	21	
Trichloroethene	ND	50	50	57	80	ug/Kg	114	160	33.6	66-142	21	M

QCBatchID: **QC1173693**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/27/2016

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173693MB1</b>					
4,4'-DDD	ND	mg/Kg	0.67	5	
4,4'-DDE	ND	mg/Kg	0.57	5	
4,4'-DDT	ND	mg/Kg	0.95	5	
a-BHC	ND	mg/Kg	0.2	5	
Aldrin	ND	mg/Kg	0.34	5	
b-BHC	ND	mg/Kg	1.2	5	
Chlordane (technical)	ND	mg/Kg	12	50	
d-BHC	ND	mg/Kg	0.45	5	
Dieldrin	ND	mg/Kg	0.63	5	
Endosulfan I	ND	mg/Kg	0.28	5	
Endosulfan II	ND	mg/Kg	0.8	5	
Endosulfan sulfate	ND	mg/Kg	1.7	5	
Endrin	ND	mg/Kg	0.62	5	
Endrin aldehyde	ND	mg/Kg	0.9	5	
Endrin Ketone	ND	mg/Kg	1.2	5	
Heptachlor	ND	mg/Kg	0.44	5	
Heptachlor epoxide	ND	mg/Kg	0.27	5	
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5	
Methoxychlor	ND	mg/Kg	5.2	10	
Toxaphene	ND	mg/Kg	12	100	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173693LCS1											
4,4'-DDE	0.005		0.00390		mg/Kg	78			70-130		
4,4'-DDT	0.005		0.00420		mg/Kg	84			70-130		
a-BHC	0.005		0.00370		mg/Kg	74			70-130		
Aldrin	0.005		0.00380		mg/Kg	76			70-130		
b-BHC	0.005		0.00390		mg/Kg	78			70-130		
d-BHC	0.005		0.00440		mg/Kg	88			70-130		
Dieldrin	0.005		0.00380		mg/Kg	76			70-130		
Endosulfan I	0.005		0.00360		mg/Kg	72			70-130		
Endosulfan II	0.005		0.00350		mg/Kg	70			70-130		
Endosulfan sulfate	0.005		0.00430		mg/Kg	86			70-130		
Endrin	0.005		0.00420		mg/Kg	84			70-130		
Endrin aldehyde	0.005		0.00340		mg/Kg	68			70-130		L
Heptachlor	0.005		0.00390		mg/Kg	78			70-130		
Heptachlor epoxide	0.005		0.00380		mg/Kg	76			70-130		
Lindane (Gamma-BHC)	0.005		0.00390		mg/Kg	78			70-130		
Methoxychlor	0.005		0.0048		mg/Kg	96			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173693MS1, QC1173693MSD1												Source: 385825-055
4,4'-DDE	ND	0.005	0.005	0.00240	0.00200	mg/Kg	48	40	18.2	70-130	20	M
4,4'-DDT	ND	0.005	0.005	0.00240	0.00210	mg/Kg	48	42	13.3	70-130	20	M
a-BHC	ND	0.005	0.005	0.00150	0.00170	mg/Kg	30	34	12.5	70-130	20	M
Aldrin	ND	0.005	0.005	0.00160	0.00170	mg/Kg	32	34	6.1	70-130	20	M
b-BHC	ND	0.005	0.005	0.00090	0.00140	mg/Kg	18	28	43.5	70-130	20	M

QCBatchID: **QC1173693**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 12/27/2016

Instrument: SVOA-GC (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173693MS1, QC1173693MSD1											Source: 385825-055	
d-BHC	ND	0.005	0.005	0.00051	0.00084	mg/Kg	10	17	48.9	70-130	20	M
Dieldrin	ND	0.005	0.005	0.00054	0.00096	mg/Kg	11	19	56.0	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.00062	0.00110	mg/Kg	12	22	55.8	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.00018	0.00033	mg/Kg	4	7	58.8	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.00016	0.00028	mg/Kg	3	6	54.5	70-130	20	M
Endrin	ND	0.005	0.005	0.00080	0.00110	mg/Kg	16	22	31.6	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.00025	0.00030	mg/Kg	5	6	18.2	70-130	20	M
Heptachlor	ND	0.005	0.005	0.00170	0.00190	mg/Kg	34	38	11.1	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.00083	0.00130	mg/Kg	17	26	44.1	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.00130	0.00170	mg/Kg	26	34	26.7	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.0004	0.0008	mg/Kg	8	16	66.7	70-130	20	M

QCBatchID: **QC1173695**

Analyst: nicollez

Method: EPA 8260B

Matrix: Solid

Analyzed: 12/27/2016

Instrument: VOA-MS (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173695MB1</b>					
1,1,1,2-Tetrachloroethane	ND	ug/Kg	0.24	5	
1,1,1-Trichloroethane	ND	ug/Kg	0.15	5	
1,1,2,2-Tetrachloroethane	ND	ug/Kg	0.29	5	
1,1,2-Trichloroethane	ND	ug/Kg	0.22	5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg	0.74	5	
1,1-Dichloroethane	ND	ug/Kg	0.23	5	
1,1-Dichloroethene	ND	ug/Kg	0.18	5	
1,1-Dichloropropene	ND	ug/Kg	0.21	5	
1,2,3-Trichlorobenzene	ND	ug/Kg	0.18	5	
1,2,3-Trichloropropane	ND	ug/Kg	0.2	5	
1,2,4-Trichlorobenzene	ND	ug/Kg	0.33	5	
1,2,4-Trimethylbenzene	ND	ug/Kg	0.28	5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg	0.2	5	
1,2-Dibromoethane	ND	ug/Kg	0.12	5	
1,2-Dichlorobenzene	ND	ug/Kg	0.18	5	
1,2-Dichloroethane	ND	ug/Kg	0.14	5	
1,2-Dichloropropane	ND	ug/Kg	0.34	5	
1,3,5-Trimethylbenzene	ND	ug/Kg	0.23	5	
1,3-Dichlorobenzene	ND	ug/Kg	0.21	5	
1,3-Dichloropropane	ND	ug/Kg	0.19	5	
1,4-Dichlorobenzene	ND	ug/Kg	0.24	5	
2,2-Dichloropropane	ND	ug/Kg	0.19	5	
2-Butanone (MEK)	ND	ug/Kg	0.72	100	
2-Chloroethyl Vinyl Ether	ND	ug/Kg	0.3	5	
2-Chlorotoluene	ND	ug/Kg	0.25	5	
4-Chlorotoluene	ND	ug/Kg	0.22	5	
4-Isopropyltoluene	ND	ug/Kg	0.27	5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	0.17	5	
Acetone	ND	ug/Kg	10	100	
Allyl Chloride	ND	ug/Kg	0.14	5	
Benzene	ND	ug/Kg	0.18	5	
Bromobenzene	ND	ug/Kg	0.3	5	
Bromochloromethane	ND	ug/Kg	0.18	5	
Bromodichloromethane	ND	ug/Kg	0.2	5	
Bromoform	ND	ug/Kg	0.19	5	
Bromomethane	ND	ug/Kg	0.22	5	
Carbon Tetrachloride	ND	ug/Kg	0.18	5	
Chlorobenzene	ND	ug/Kg	0.18	5	
Chlorodibromomethane	ND	ug/Kg	0.19	5	
Chloroethane	ND	ug/Kg	0.2	5	
Chloroform	ND	ug/Kg	0.17	5	
Chloromethane	ND	ug/Kg	0.21	5	
cis-1,2-Dichloroethene	ND	ug/Kg	0.2	5	
cis-1,3-dichloropropene	ND	ug/Kg	0.2	5	
cis-1,4-dichloro-2-butene	ND	ug/Kg	0.2	5	
Dibromomethane	ND	ug/Kg	0.21	5	
Dichlorodifluoromethane	ND	ug/Kg	0.23	5	
Di-isopropyl ether (DIPE)	ND	ug/Kg	0.21	5	
Ethylbenzene	ND	ug/Kg	0.23	5	
Ethyl-terbutylether (ETBE)	ND	ug/Kg	0.42	5	
Hexachlorobutadiene	ND	ug/Kg	0.42	5	

QCBatchID: **QC1173695**

Analyst: nicollez

Method: EPA 8260B

Matrix: Solid

Analyzed: 12/27/2016

Instrument: VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173695MB1</b>					
Isopropylbenzene	ND	ug/Kg	0.25	5	
m and p-Xylene	ND	ug/Kg	0.38	5	
Methylene chloride	ND	ug/Kg	0.21	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg	0.17	5	
Naphthalene	ND	ug/Kg	0.16	5	
N-butylbenzene	ND	ug/Kg	0.25	5	
N-propylbenzene	ND	ug/Kg	0.22	5	
o-Xylene	ND	ug/Kg	0.19	5	
Sec-butylbenzene	ND	ug/Kg	0.28	5	
Styrene	ND	ug/Kg	0.13	5	
t-Butyl alcohol (TBA)	ND	ug/Kg	8.8	10	
Tert-amylmethylether (TAME)	ND	ug/Kg	0.19	5	
Tert-butylbenzene	ND	ug/Kg	0.34	5	
Tetrachloroethene	ND	ug/Kg	0.23	5	
Toluene	ND	ug/Kg	0.17	5	
trans-1,2-dichloroethene	ND	ug/Kg	0.19	5	
trans-1,3-dichloropropene	ND	ug/Kg	0.18	5	
trans-1,4-dichloro-2-butene	ND	ug/Kg	0.2	5	
Trichloroethene	ND	ug/Kg	0.23	5	
Trichlorofluoromethane	ND	ug/Kg	0.23	5	
Vinyl Chloride	ND	ug/Kg	0.14	5	
Xylenes (Total)	ND	ug/Kg	0.38	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173695LCS1											
1,1-Dichloroethene	50		51		ug/Kg	102			59-172		
Benzene	50		44		ug/Kg	88			62-137		
Chlorobenzene	50		54		ug/Kg	108			60-133		
Methyl-t-butyl Ether (MTBE)	50		51		ug/Kg	102			62-137		
Toluene	50		53		ug/Kg	106			59-139		
Trichloroethene	50		52		ug/Kg	104			66-142		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173695MS1, QC1173695MSD1											Source: 385825-115	
1,1-Dichloroethene	ND	50	50	50	45	ug/Kg	100	90	10.5	59-172	22	
Benzene	0.39	50	50	48	44	ug/Kg	95	87	8.7	62-137	24	
Chlorobenzene	ND	50	50	56	49	ug/Kg	112	98	13.3	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	70	61	ug/Kg	140	122	13.7	62-137	21	M
Toluene	0.25	50	50	53	46	ug/Kg	106	92	14.1	59-139	21	
Trichloroethene	ND	50	50	50	45	ug/Kg	100	90	10.5	66-142	21	



<b>QCBatchID:</b> <u>QC1173758</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/28/2016	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173758MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173758LCS1											
Lead	100		105		mg/Kg	105			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173758MS1, QC1173758MSD1											Source: 385747-064	
Lead	27.9	100	100	102	115	mg/Kg				75-125	20	

QCBatchID: **QC1173759**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 12/28/2016

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173759MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
Lead	ND	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173759LCS1											
Antimony	100		108		mg/Kg	108			80-120		
Arsenic	100		87.2		mg/Kg	87			80-120		
Barium	100		99.4		mg/Kg	99			80-120		
Beryllium	100		98.6		mg/Kg	99			80-120		
Cadmium	100		97.8		mg/Kg	98			80-120		
Chromium	100		99.1		mg/Kg	99			80-120		
Cobalt	100		100		mg/Kg	100			80-120		
Copper	100		95.8		mg/Kg	96			80-120		
Lead	100		96.9		mg/Kg	97			80-120		
Molybdenum	100		89.3		mg/Kg	89			80-120		
Nickel	100		95.4		mg/Kg	95			80-120		
Selenium	100		89.2		mg/Kg	89			80-120		
Silver	100		95.2		mg/Kg	95			80-120		
Thallium	100		100		mg/Kg	100			80-120		
Vanadium	100		97.5		mg/Kg	98			80-120		
Zinc	100		89.1		mg/Kg	89			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173759MS1, QC1173759MSD1											Source: 385825-061	
Antimony	ND	100	100	23.0	25.1	mg/Kg	23	25	8.7	75-125	20	M
Arsenic	3.49	100	100	88.6	85.7	mg/Kg	85	82	3.3	75-125	20	
Barium	88.4	100	100	204	196	mg/Kg	116	108	4.0	75-125	20	
Beryllium	ND	100	100	90.7	87.5	mg/Kg	91	88	3.6	75-125	20	
Cadmium	ND	100	100	87.4	83.0	mg/Kg	87	83	5.2	75-125	20	
Chromium	10.0	100	100	102	94.7	mg/Kg	92	85	7.4	75-125	20	
Cobalt	16.3	100	100	105	97.7	mg/Kg	89	81	7.2	75-125	20	
Copper	11.0	100	100	106	101	mg/Kg	95	90	4.8	75-125	20	
Lead	17.8	100	100	110	119	mg/Kg	92	101	7.9	75-125	20	

<b>QCBatchID:</b> <u>QC1173759</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/28/2016	<b>Instrument:</b> AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173759MS1, QC1173759MSD1											Source: 385825-061	
Molybdenum	ND	100	100	80.1	78.4	mg/Kg	80	78	2.1	75-125	20	
Nickel	9.80	100	100	99.8	96.1	mg/Kg	90	86	3.8	75-125	20	
Selenium	ND	100	100	79.7	81.0	mg/Kg	80	81	1.6	75-125	20	
Silver	ND	100	100	80.5	76.6	mg/Kg	81	77	5.0	75-125	20	
Thallium	ND	100	100	76.4	75.0	mg/Kg	76	75	1.8	75-125	20	
Vanadium	27.9	100	100	123	117	mg/Kg	95	89	5.0	75-125	20	
Zinc	45.1	100	100	133	126	mg/Kg	88	81	5.4	75-125	20	

QCBatchID: **QC1173760**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 12/28/2016

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173760MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
Lead	ND	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173760LCS1											
Antimony	100		107		mg/Kg	107			80-120		
Arsenic	100		88.3		mg/Kg	88			80-120		
Barium	100		95.7		mg/Kg	96			80-120		
Beryllium	100		86.7		mg/Kg	87			80-120		
Cadmium	100		102		mg/Kg	102			80-120		
Chromium	100		97.5		mg/Kg	98			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		91.6		mg/Kg	92			80-120		
Lead	100		102		mg/Kg	102			80-120		
Molybdenum	100		97.5		mg/Kg	98			80-120		
Nickel	100		96.1		mg/Kg	96			80-120		
Selenium	100		84.5		mg/Kg	85			80-120		
Silver	100		92.6		mg/Kg	93			80-120		
Thallium	100		87.7		mg/Kg	88			80-120		
Vanadium	100		95.3		mg/Kg	95			80-120		
Zinc	100		88.9		mg/Kg	89			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173760MS1, QC1173760MSD1											Source: 385825-113	
Antimony	ND	100	100	20.5	23.4	mg/Kg	21	23	13.2	75-125	20	M
Arsenic	1.10	100	100	72.6	76.7	mg/Kg	72	76	5.5	75-125	20	M
Barium	172	100	100	249	246	mg/Kg	77	74	1.2	75-125	20	M
Beryllium	ND	100	100	75.5	76.8	mg/Kg	76	77	1.7	75-125	20	
Cadmium	0.50	100	100	85.7	85.9	mg/Kg	85	85	0.2	75-125	20	
Chromium	19.7	100	100	101	102	mg/Kg	81	82	1.0	75-125	20	
Cobalt	14.1	100	100	95.5	96.0	mg/Kg	81	82	0.5	75-125	20	
Copper	19.8	100	100	100	102	mg/Kg	80	82	2.0	75-125	20	
Lead	0.90	100	100	79.8	82.8	mg/Kg	79	82	3.7	75-125	20	

<b>QCBatchID:</b> <u>QC1173760</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/28/2016	<b>Instrument:</b> AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173760MS1, QC1173760MSD1											Source: 385825-113	
Molybdenum	ND	100	100	76.7	80.2	mg/Kg	77	80	4.5	75-125	20	
Nickel	11.6	100	100	93.9	97.0	mg/Kg	82	85	3.2	75-125	20	
Selenium	ND	100	100	69.0	72.5	mg/Kg	69	73	4.9	75-125	20	M
Silver	ND	100	100	76.8	77.5	mg/Kg	77	78	0.9	75-125	20	
Thallium	ND	100	100	56.1	63.0	mg/Kg	56	63	11.6	75-125	20	M
Vanadium	41.2	100	100	121	123	mg/Kg	80	82	1.6	75-125	20	
Zinc	47.4	100	100	122	121	mg/Kg	75	74	0.8	75-125	20	M

QCBatchID: **QC1173791**

Analyst: nhernandez

Method: EPA 8082

Matrix: Solid

Analyzed: 12/28/2016

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173791MB1</b>					
PCB-1016	ND	mg/Kg	3	50	
PCB-1221	ND	mg/Kg	14	50	
PCB-1232	ND	mg/Kg	9.5	50	
PCB-1242	ND	mg/Kg	14	50	
PCB-1248	ND	mg/Kg	19	50	
PCB-1254	ND	mg/Kg	20	50	
PCB-1260	ND	mg/Kg	6.9	50	
PCB-1262	ND	mg/Kg	17	50	
PCB-1268	ND	mg/Kg	8.6	50	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173791LCS1											
PCB-1016	0.05		0.046		mg/Kg	92			70-130		
PCB-1260	0.05		0.047		mg/Kg	94			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173791MS1, QC1173791MSD1											Source: 385825-106	
PCB-1016	ND	0.05	0.05	0.042	0.039	mg/Kg	84	78	7.4	70-130	20	
PCB-1260	ND	0.05	0.05	0.042	0.042	mg/Kg	84	84	0.0	70-130	20	

Source: 385825-106

<b>QCBatchID:</b> <u>QC1173797</u>	<b>Analyst:</b> lytagas	<b>Method:</b> EPA 8015M
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/29/2016	<b>Instrument:</b> SVOA-GC (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173797MB1</b>						
TPH (C10 to C28)	ND	mg/Kg		10		
TPH (C28 to C40)	ND	mg/Kg		20		
TPH (C8 to C10)	ND	mg/Kg		10		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173797LCS1											
TPH (C10 to C28)	250		290		mg/Kg	116			70-130		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173797MS1, QC1173797MSD1												Source: 385825-115
TPH (C10 to C28)	ND	250	250	240	300	mg/Kg	96	120	22.2	70-130	20	M

<b>QCBatchID:</b> <u>QC1173807</u>	<b>Analyst:</b> sandyw	<b>Method:</b> EPA 8015B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/29/2016	<b>Instrument:</b> VOA-GC (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173807MB1</b>						
TPH Gasoline	ND	mg/Kg	0.159	3		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173807LCS1											
TPH Gasoline	5		4.01		mg/Kg	80			70-130		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173807MS1, QC1173807MSD1											Source: 385825-106	
TPH Gasoline	ND	5	5	4.03	4.00	mg/Kg	81	80	0.7	70-130	20	



<b>QCBatchID:</b> <u>QC1173808</u>	<b>Analyst:</b> sandyw	<b>Method:</b> EPA 8015B
<b>Matrix:</b> Water	<b>Analyzed:</b> 12/29/2016	<b>Instrument:</b> VOA-GC (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173808MB1</b>						
TPH Gasoline	ND	ug/L	6.6	50		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173808LCS1, QC1173808LCSD1											
TPH Gasoline	500	500	390	395	ug/L	78	79	1	70-130	30	

QCBatchID: **QC1173822**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Water

Analyzed: 12/29/2016

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173822MB1</b>					
4,4'-DDD	ND	ug/L	0.011	0.1	
4,4'-DDE	ND	ug/L	0.006	0.1	
4,4'-DDT	ND	ug/L	0.011	0.1	
a-BHC	ND	ug/L	0.002	0.1	
Aldrin	ND	ug/L	0.007	0.1	
b-BHC	ND	ug/L	0.003	0.1	
Chlordane (technical)	ND	ug/L	0.27	1	
d-BHC	ND	ug/L	0.006	0.1	
Dieldrin	ND	ug/L	0.006	0.1	
Endosulfan I	ND	ug/L	0.004	0.1	
Endosulfan II	ND	ug/L	0.011	0.1	
Endosulfan sulfate	ND	ug/L	0.012	0.1	
Endrin	ND	ug/L	0.008	0.1	
Endrin aldehyde	ND	ug/L	0.009	0.1	
Endrin Ketone	ND	ug/L	0.011	0.1	
Heptachlor	ND	ug/L	0.003	0.1	
Heptachlor epoxide	ND	ug/L	0.002	0.1	
Lindane (Gamma-BHC)	ND	ug/L	0.002	0.1	
Methoxychlor	ND	ug/L	0.055	0.1	
Toxaphene	ND	ug/L	0.48	2	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173822LCS1, QC1173822LCSD1											
4,4'-DDE	0.05	0.05	0.039	0.041	ug/L	78	82	5	70-130	20	
4,4'-DDT	0.05	0.05	0.040	0.043	ug/L	80	86	7	70-130	20	
a-BHC	0.05	0.05	0.040	0.045	ug/L	80	90	12	70-130	20	
Aldrin	0.05	0.05	0.037	0.041	ug/L	74	82	10	70-130	20	
b-BHC	0.05	0.05	0.042	0.047	ug/L	84	94	11	70-130	20	
d-BHC	0.05	0.05	0.043	0.049	ug/L	86	98	13	70-130	20	
Dieldrin	0.05	0.05	0.040	0.042	ug/L	80	84	5	70-130	20	
Endosulfan I	0.05	0.05	0.038	0.042	ug/L	76	84	10	70-130	20	
Endosulfan II	0.05	0.05	0.037	0.041	ug/L	74	82	10	70-130	20	
Endosulfan sulfate	0.05	0.05	0.044	0.048	ug/L	88	96	9	70-130	20	
Endrin	0.05	0.05	0.042	0.045	ug/L	84	90	7	70-130	20	
Endrin aldehyde	0.05	0.05	0.038	0.042	ug/L	76	84	10	70-130	20	
Heptachlor	0.05	0.05	0.040	0.044	ug/L	80	88	10	70-130	20	
Heptachlor epoxide	0.05	0.05	0.039	0.043	ug/L	78	86	10	70-130	20	
Lindane (Gamma-BHC)	0.05	0.05	0.042	0.048	ug/L	84	96	13	70-130	20	
Methoxychlor	0.05	0.05	0.050	0.053	ug/L	100	106	6	70-130	20	

QCBatchID: **QC1173835**

Analyst: Lucy

Method: EPA 8260B

Matrix: Water

Analyzed: 12/29/2016

Instrument: VOA-MS (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173835MB1</b>					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.25	5	
1,1,1-Trichloroethane	ND	ug/L	0.38	5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	5	
1,1,2-Trichloroethane	ND	ug/L	0.25	5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.29	5	
1,1-Dichloroethane	ND	ug/L	0.32	5	
1,1-Dichloroethene	ND	ug/L	0.3	5	
1,1-Dichloropropene	ND	ug/L	0.25	5	
1,2,3-Trichlorobenzene	ND	ug/L	0.28	5	
1,2,3-Trichloropropane	ND	ug/L	0.16	5	
1,2,4-Trichlorobenzene	ND	ug/L	0.27	5	
1,2,4-Trimethylbenzene	ND	ug/L	0.28	5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.12	5	
1,2-Dibromoethane	ND	ug/L	0.19	5	
1,2-Dichlorobenzene	ND	ug/L	0.26	5	
1,2-Dichloroethane	ND	ug/L	0.2	5	
1,2-Dichloropropane	ND	ug/L	0.36	5	
1,3,5-Trimethylbenzene	ND	ug/L	0.24	5	
1,3-Dichlorobenzene	ND	ug/L	0.34	5	
1,3-Dichloropropane	ND	ug/L	0.19	5	
1,4-Dichlorobenzene	ND	ug/L	0.43	5	
2,2-Dichloropropane	ND	ug/L	0.32	5	
2-Butanone (MEK)	ND	ug/L	0.78	100	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	10	
2-Chlorotoluene	ND	ug/L	0.33	5	
4-Chlorotoluene	ND	ug/L	0.31	5	
4-Isopropyltoluene	ND	ug/L	0.32	5	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	0.12	5	
Acetone	ND	ug/L	10	100	
Allyl Chloride	ND	ug/L	0.19	5	
Benzene	ND	ug/L	0.18	1	
Bromobenzene	ND	ug/L	0.53	5	
Bromochloromethane	ND	ug/L	0.17	5	
Bromodichloromethane	ND	ug/L	0.31	5	
Bromoform	ND	ug/L	0.13	5	
Bromomethane	ND	ug/L	0.68	5	
Carbon Tetrachloride	ND	ug/L	0.27	5	
Chlorobenzene	ND	ug/L	0.19	5	
Chlorodibromomethane	ND	ug/L	0.21	5	
Chloroethane	ND	ug/L	0.45	5	
Chloroform	ND	ug/L	0.18	5	
Chloromethane	ND	ug/L	0.27	5	
cis-1,2-Dichloroethene	ND	ug/L	0.27	5	
cis-1,3-dichloropropene	ND	ug/L	0.25	5	
cis-1,4-dichloro-2-butene	ND	ug/L	0.17	5	
Dibromomethane	ND	ug/L	0.23	5	
Dichlorodifluoromethane	ND	ug/L	0.33	5	
Di-isopropyl ether (DIPE)	ND	ug/L	0.17	1	
Ethylbenzene	ND	ug/L	0.21	5	
Ethyl-terbutylether (ETBE)	ND	ug/L	0.23	1	
Hexachlorobutadiene	ND	ug/L	0.51	5	

QCBatchID: **QC1173835**

Analyst: Lucy

Method: EPA 8260B

Matrix: Water

Analyzed: 12/29/2016

Instrument: VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173835MB1</b>					
Isopropylbenzene	ND	ug/L	0.24	5	
m and p-Xylene	ND	ug/L	0.45	5	
Methylene chloride	ND	ug/L	0.16	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.19	1	
Naphthalene	ND	ug/L	0.25	5	
N-butylbenzene	ND	ug/L	0.25	5	
N-propylbenzene	ND	ug/L	0.31	5	
o-Xylene	ND	ug/L	0.29	5	
Sec-butylbenzene	ND	ug/L	0.32	5	
Styrene	ND	ug/L	0.22	5	
t-Butyl alcohol (TBA)	ND	ug/L	5.2	10	
Tert-amylmethylether (TAME)	ND	ug/L	0.19	5	
Tert-butylbenzene	ND	ug/L	0.4	5	
Tetrachloroethene	ND	ug/L	0.8	5	
Toluene	ND	ug/L	0.24	5	
trans-1,2-dichloroethene	ND	ug/L	0.33	5	
trans-1,3-dichloropropene	ND	ug/L	0.23	5	
trans-1,4-dichloro-2-butene	ND	ug/L	0.17	5	
Trichloroethene	ND	ug/L	0.39	5	
Trichlorofluoromethane	ND	ug/L	0.25	5	
Vinyl Chloride	ND	ug/L	0.18	5	
Xylenes (Total)	ND	ug/L	0.45	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173835LCS1											
1,1-Dichloroethene	50		46		ug/L	92			59-172		
Benzene	50		49		ug/L	98			62-137		
Chlorobenzene	50		49		ug/L	98			60-133		
Methyl-t-butyl Ether (MTBE)	50		45		ug/L	90			62-137		
Toluene	50		49		ug/L	98			59-139		
Trichloroethene	50		50		ug/L	100			66-142		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173835MS1, QC1173835MSD1											Source: 385825-107	
1,1-Dichloroethene	ND	50	50	41	43	ug/L	82	86	4.8	59-172	22	
Benzene	ND	50	50	47	51	ug/L	94	102	8.2	62-137	24	
Chlorobenzene	ND	50	50	49	52	ug/L	98	104	5.9	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	45	49	ug/L	90	98	8.5	62-137	21	
Toluene	0.25	50	50	48	51	ug/L	96	102	6.1	59-139	21	
Trichloroethene	ND	50	50	49	51	ug/L	98	102	4.0	66-142	21	

<b>QCBatchID:</b> <u>QC1173862</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6020
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/30/2016	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173862MB1</b>						
Arsenic	ND	mg/Kg	0.02	0.3		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173862LCS1											
Arsenic	50		55.6		mg/Kg	111			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173862MS1, QC1173862MSD1											Source: 385825-004	
Arsenic	6.76	50	50	54.0	54.6	mg/Kg	94	96	1.1	75-125	20	

<b>QCBatchID:</b> <u>QC1173872</u>	<b>Analyst:</b> lytagas	<b>Method:</b> EPA 8015B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 12/30/2016	<b>Instrument:</b> SVOA-GC (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173872MB1</b>						
TPH Diesel	ND	mg/Kg	0.4	1		
TPH Motor Oil	ND	mg/Kg	2.1	5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173872LCS1, QC1173872LCSD1											
TPH Diesel	25	25	24.3	27.9	mg/Kg	97	112	14	70-130	20	

<b>QCBatchID:</b> <u>QC1173955</u>	<b>Analyst:</b> JParedes	<b>Method:</b> EPA 7471A
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/03/2017	<b>Instrument:</b> AAICP-HG1

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1173955MB1</b>						
Mercury	ND	mg/Kg	0.02	0.14		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173955LCS1											
Mercury	0.83		0.84		mg/Kg	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1173955MS1, QC1173955MSD1										Source: 385948-001		
Mercury	ND	0.83	0.83	0.04	0.03	mg/Kg	5	4	28.6	75-125	20	M

QCBatchID: **QC1173984**

Analyst: lwong

Method: EPA 8082

Matrix: Water

Analyzed: 01/02/2017

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1173984MB1</b>					
PCB-1016	ND	ug/L	0.13	0.5	
PCB-1221	ND	ug/L	0.24	0.5	
PCB-1232	ND	ug/L	0.12	0.5	
PCB-1242	ND	ug/L	0.071	0.5	
PCB-1248	ND	ug/L	0.12	0.5	
PCB-1254	ND	ug/L	0.084	0.5	
PCB-1260	ND	ug/L	0.082	0.5	
PCB-1262	ND	ug/L	0.083	0.5	
PCB-1268	ND	ug/L	0.039	0.5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1173984LCS1, QC1173984LCSD1											
PCB-1016	0.5	0.5	0.42	0.40	ug/L	84	80	5	70-130	20	
PCB-1260	0.5	0.5	0.42	0.38	ug/L	84	76	10	70-130	20	



<b>QCBatchID:</b> <u>QC1174000</u>	<b>Analyst:</b> lytagas	<b>Method:</b> EPA 8015B
<b>Matrix:</b> Water	<b>Analyzed:</b> 01/04/2017	<b>Instrument:</b> SVOA-GC (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174000MB1</b>						
TPH Diesel	0.45	mg/L	0.04	0.1	B	
TPH Motor Oil	0.26 J	mg/L	0.07	0.3		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174000LCS1, QC1174000LCSD1											
TPH Diesel	1	1	1.1	1.2	mg/L	110	120	9	70-130	20	

<b>QCBatchID:</b> <u>QC1174165</u>	<b>Analyst:</b> kedy	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/09/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174165MB1</b>						
Chromium	ND	mg/L	0.006	0.03		
Lead	ND	mg/L	0.012	0.015		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1174165MS1, QC1174165MSD1											Source: 385727-001	
Chromium	ND	10	10	9.75	10.0	mg/L	97	100	2.5	75-125	20	
Lead	ND	10	10	9.36	9.47	mg/L	93	94	1.2	75-125	20	

<b>QCBatchID:</b> <u>QC1174191</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/10/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174191MB1</b>						
Lead	ND	mg/L	0.004	0.05		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174191LCS1											
Lead	2		2.06		mg/L	103			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174191MS1, QC1174191MSD1											Source: 386062-002	
Lead	ND	1	1	0.955	0.941	mg/L	96	95	1.5	75-125	20	

<b>QCBatchID:</b> <u>QC1174225</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/11/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174225MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174225LCS1											
Lead	100		108		mg/Kg	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174225MS1, QC1174225MSD1											Source: 384618-005	
Lead	14.7	100	100	110	114	mg/Kg	95	99	3.6	75-125	20	

QCBatchID: **QC1174444**

Analyst: jeannynguye

Method: EPA 6010B

Matrix: Solid

Analyzed: 01/18/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1174444MB1</b>					
<b>Antimony</b>	<b>0.51 J</b>	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
Lead	ND	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174444LCS1											
Antimony	100		107		mg/Kg	107			80-120		
Arsenic	100		91.7		mg/Kg	92			80-120		
Barium	100		104		mg/Kg	104			80-120		
Beryllium	100		95.7		mg/Kg	96			80-120		
Cadmium	100		101		mg/Kg	101			80-120		
Chromium	100		98.9		mg/Kg	99			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		92.9		mg/Kg	93			80-120		
Lead	100		98.7		mg/Kg	99			80-120		
Molybdenum	100		100		mg/Kg	100			80-120		
Nickel	100		101		mg/Kg	101			80-120		
Selenium	100		86.6		mg/Kg	87			80-120		
Silver	100		92.0		mg/Kg	92			80-120		
Thallium	100		100		mg/Kg	100			80-120		
Vanadium	100		97.9		mg/Kg	98			80-120		
Zinc	100		98.2		mg/Kg	98			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174444MS1, QC1174444MSD1											Source: 386559-001	
Antimony	0.42	100	100	115	104	mg/Kg	115	104	10.0	75-125	20	
Arsenic	ND	100	100	109	103	mg/Kg	109	103	5.7	75-125	20	
Barium	2.66	100	100	114	111	mg/Kg	111	108	2.7	75-125	20	
Beryllium	ND	100	100	117	106	mg/Kg	117	106	9.9	75-125	20	
Cadmium	ND	100	100	118	113	mg/Kg	118	113	4.3	75-125	20	
Chromium	0.42	100	100	110	110	mg/Kg	110	110	0.0	75-125	20	
Cobalt	ND	100	100	113	115	mg/Kg	113	115	1.8	75-125	20	
Copper	2.48	100	100	111	109	mg/Kg	109	107	1.8	75-125	20	
Lead	ND	100	100	111	108	mg/Kg	111	108	2.7	75-125	20	

<b>QCBatchID:</b> <u>QC1174444</u>	<b>Analyst:</b> jeannynguye	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/18/2017	<b>Instrument:</b> AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174444MS1, QC1174444MSD1											Source: 386559-001	
Molybdenum	0.15	100	100	112	108	mg/Kg	112	108	3.6	75-125	20	
Nickel	0.30	100	100	115	117	mg/Kg	115	117	1.7	75-125	20	
Selenium	1.73	100	100	111	103	mg/Kg	109	101	7.5	75-125	20	
Silver	ND	100	100	100	95.7	mg/Kg	100	96	4.4	75-125	20	
Thallium	ND	100	100	108	108	mg/Kg	108	108	0.0	75-125	20	
Vanadium	0.47	100	100	112	110	mg/Kg	112	110	1.8	75-125	20	
Zinc	6.94	100	100	121	117	mg/Kg	114	110	3.4	75-125	20	

<b>QCBatchID:</b> <u>QC1174723</u>	<b>Analyst:</b> jeannynguye	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/25/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174723MB1</b>						
Lead	ND	mg/L	0.012	0.015		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174723MS1, QC1174723MSD1											Source: 385825-017	
Lead	2.88	10	10	10.8	11.2	mg/L	79	83	3.6	75-125	20	

<b>QCBatchID:</b> <u>QC1174909</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/01/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174909MB1</b>						
<b>Chromium</b>	<b>0.021 J</b>	mg/L	0.006	0.03		
Lead	ND	mg/L	0.012	0.015		
<b>Nickel</b>	<b>0.016 J</b>	mg/L	0.003	0.06		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1174909MS1, QC1174909MSD1											Source: 386813-002	
Chromium	0.972	10	10	10.4	9.65	mg/L	94	87	7.5	75-125	20	
Lead	ND	10	10	8.74	8.43	mg/L	87	84	3.6	75-125	20	
Nickel	0.734	10	10	9.98	9.34	mg/L	92	86	6.6	75-125	20	



<b>QCBatchID:</b> <u>QC1175179</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/08/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1175179MB1</b>						
Cadmium	ND	mg/L	0.001	0.05		
Chromium	ND	mg/L	0.002	0.05		
Lead	ND	mg/L	0.004	0.05		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1175179LCS1											
Cadmium	2		2.36		mg/L	118			80-120		
Chromium	2		2.25		mg/L	113			80-120		
Lead	2		1.852		mg/L	93			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1175179MS1, QC1175179MSD1										Source: 386055-001		
Cadmium	0.010	1	1	1.088	1.087	mg/L	108	108	0.1	75-125	20	
Chromium	ND	1	1	1.114	1.105	mg/L	111	111	0.8	75-125	20	
Lead	ND	1	1	0.806	0.854	mg/L	81	85	5.8	75-125	20	


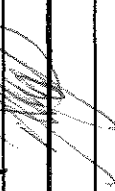
# Data Qualifiers and Definitions

## Qualifiers

<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)								
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: <b>x</b>		3 Day:						
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: <b>1</b> of <b>12</b>		2 Day:		1 Day:						
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>								
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other								
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water										
		SW = Swab W = Water WP = Wipe O = Other										
CUSTOMER INFORMATION		PROJECT INFORMATION			Analysis Request			Test Instructions / Comments				
Company:	CES Group	Name:	Grant HS									
Report To:	Skye Green	Number:										
Email:	<a href="mailto:sgreen@cesgroup.co">sgreen@cesgroup.co</a>	P.O. #:										
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.									
	Temecula, CA 92592		Los Angeles, CA 91335									
Phone:	714-398-6363	Global ID:										
Fax:	951-848-9812	Sampled By:	D. Baysa									
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)
1 S4-0.5'	12/23/16	8:55 AM	S	1/8oz			x					
2 S4-1.5'	12/23/16	9:00 AM	S	1/8oz								
3 S4-2.5'	12/23/16	9:05 AM	S	1/8oz								
4 S5-0.5'	12/23/16	8:00 AM	S	1/8oz		x	x					
5 S5-1.5'	12/23/16	8:05 AM	S	1/8oz								
6 S5-2.5'	12/23/16	8:10 AM	S	1/8oz								
7 S6-0.5'	12/23/16	7:45 AM	S	1/8oz		x	x					
8 S6-1.5'	12/23/16	7:50 AM	S	1/8oz								
9 S6-2.5'	12/23/16	7:55 AM	S	1/8oz								
10			S									
Signature		Print Name			Company / Title			Date / Time				
1 Relinquished By: 		Danny Baysa			CES Group/ Field Supervisor			12/24/16 1040				
1 Received By: 		Zaid Padilla			EA			12/24/16 1040				
2 Relinquished By:												
2 Received By:												
3 Relinquished By:												
3 Received By:												

<b>ENTHALPHY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>			
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: <input checked="" type="checkbox"/> 4 Day: <input type="checkbox"/> 3 Day: <input type="checkbox"/>			
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: <b>2</b> of <b>12</b>		2 Day: <input type="checkbox"/> 1 Day: <input type="checkbox"/> Same Day: <input type="checkbox"/>			
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			

PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Name: Grant HS										Analyze 0.5' samples. Hold deeper samples.	
Number:											
P.O. #:											
Address: 13000 Oxnard St.											
Los Angeles, CA 91335											
Global ID:											
Sampled By: D. Baysa											

CUSTOMER INFORMATION				Signature				Print Name				Company / Title				Date / Time			
Company: CES Group		Name: Grant HS						Danny Baysa				CES Group/ Field Supervisor				12/24/16 1040			
Report To: Skye Green		Number:																	
Email: <a href="mailto:sgreen@cesgroup.co">sgreen@cesgroup.co</a>		P.O. #:																	
Address: 33353 Temecula Pkwy, Suite 104#333		Address:																	
Temecula, CA 92592																			
Phone: 714-398-6363		Global ID:																	
Fax: 951-848-9812		Sampled By: D. Baysa																	



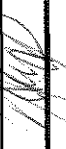
  


Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S7-0.5'	12/23/16	7:40 AM	S	1/8oz	
2 S7-1.5'	12/23/16	7:55 AM	S	1/8oz	
3 S7-2.5'	12/23/16	8:00 AM	S	1/8oz	
4 S8-0.5'	12/23/16	8:20 AM	S	1/8oz	X
5 S8-1.5'	12/23/16	8:25 AM	S	1/8oz	
6 S8-2.5'	12/23/16	8:30 AM	S	1/8oz	
7 S9-0.5'	12/23/16	9:00 AM	S	1/8oz	X
8 S9-1.5'	12/23/16	9:05 AM	S	1/8oz	
9 S9-2.5'	12/23/16	9:10 AM	S	1/8oz	
10			S		

1 Relinquished By:		2 Received By:		3 Relinquished By:		3 Received By:	
--------------------	--	----------------	--	--------------------	--	----------------	--

<b>ENTHALPHY ANALYTICAL, INC.</b>				<b>Chain of Custody Record</b>				<b>Turn Around Time (Rush by advanced notice only)</b>							
806 N. Batavia St., Orange, CA 92868				Lab No: <b>385825</b>				Standard: <input checked="" type="checkbox"/> 4 Day: <input type="checkbox"/> 3 Day: <input type="checkbox"/>							
Phone: (714) 771-6900 Fax: (714) 771-9933				Page: <b>3</b> of <b>12</b>				2 Day: <input type="checkbox"/> 1 Day: <input type="checkbox"/> Same Day: <input type="checkbox"/>							
Billing: Enthalpy - SoCal				Matrix: A = Air DW = Drinking Water				Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>							
c/o Montrose Environmental Group				FL = Food Liquid FS = Food Solid L = Liquid				4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other							
1 Park Plaza, Suite 1000, Irvine, CA 92614				PP = Pure Product S = Solid SeaW = Sea Water											
				SW = Swab W = Water WP = Wipe O = Other											
<b>CUSTOMER INFORMATION</b>				<b>PROJECT INFORMATION</b>				<b>Analysis Request</b>				<b>Test Instructions / Comments</b>			
Company:	CES Group	Name:	Grant HS	Container No. / Size		Matrix	Sampling Time	Sampling Date	Sample ID	Analyze 0.5' samples. Hold deeper samples.					
Report To:	Skye Green	Number:		Pres.											
Email:	sgreen@cesgroup.co	P.O. #:													
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.												
	Temecula, CA 92592		Los Angeles, CA 91335												
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	D. Baysa												
1	S10-0.5'		12/23/16	8:10 AM	S	1/8oz									
2	S10-1.5'		12/23/16	8:15 AM	S	1/8oz									
3	S10-2.5'		12/23/16	8:20 AM	S	1/8oz									
4	S11-0.5'		12/23/16	1:40 PM	S	1/8oz									
5	S11-1.5'		12/23/16	1:45 PM	S	1/8oz									
6	S11-2.5'		12/23/16	1:50 PM	S	1/8oz									
7	S12-0.5'		12/23/16	1:55 PM	S	1/8oz									
8	S12-1.5'		12/23/16	2:00 PM	S	1/8oz									
9	S12-2.5'		12/23/16	2:05 PM	S	1/8oz									
10					S										
Signature				Print Name				Company / Title				Date / Time			
D. Baysa				Danny Baysa				CES Group/ Field Supervisor				12/24/16 1040			
Received By:				2400 PMA/LLA				EA				12/24/16 1040			
Relinquished By:															
Received By:															
Relinquished By:															
Received By:															

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)								
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: 385825		Standard: x		3 Day:						
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: 4 of 12		2 Day:		1 Day:						
		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other								
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments				
Company:	CES Group	Name:	Grant HS									
Report To:	Skye Green	Number:										
Email:	sgreen@cesgroup.co	P.O. #:										
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.									
	Temecula, CA 92592		Los Angeles, CA 91335									
Phone:	714-398-6363	Global ID:										
Fax:	951-848-9812	Sampled By:	D. Baysa									
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)
1 S13-0.5'	12/23/16	3:40 PM	S	1/8oz		x	x	x				
2 S13-1.5'	12/23/16	3:45 PM	S	1/8oz								
3 S13-2.5'	12/23/16	3:50 PM	S	1/8oz								
4 S14-0.5'	12/23/16	2:25 PM	S	1/8oz		x	x	x				
5 S14-1.5'	12/23/16	2:30 PM	S	1/8oz								
6 S14-2.5'	12/23/16	2:35 PM	S	1/8oz								
7 S15-0.5'	12/23/16	8:45 AM	S	1/8oz		x	x	x				
8 S15-1.5'	12/23/16	8:50 AM	S	1/8oz								
9 S15-2.5'	12/23/16	8:55 AM	S	1/8oz								
10			S									
Signature		Print Name		Company / Title		Date / Time						
1 Relinquished By: 		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040						
1 Received By: 		Zaid Padilla		EA		12/27/16 1040						
2 Relinquished By:												
2 Received By:												
3 Relinquished By:												
3 Received By:												

<b>ENTHALPY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>	
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: <input checked="" type="checkbox"/> 4 Day: <input type="checkbox"/> 3 Day: <input type="checkbox"/>	
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 5 of 12		1 Day: <input type="checkbox"/> Same Day: <input type="checkbox"/>	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	
<b>PRESERVATIVES:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other					


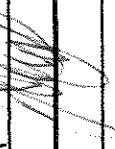
  

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group	Name:	Grant HS												
Report To:	Skye Green	Number:													
Email:	<a href="mailto:sgreen@cesgroup.co">sgreen@cesgroup.co</a>	P.O. #:													
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.												
	Temecula, CA 92592		Los Angeles, CA 91335												
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	D. Baysa												

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S16-0.5'	12/22/16	4:20 PM	S	1/8oz	
2 S16-1.5'	12/22/16	4:25 PM	S	1/8oz	
3 S16-2.5'	12/22/16	4:30 PM	S	1/8oz	
4 S17-0.5'	12/23/16	9:30 AM	S	1/8oz	
5 S17-1.5'	12/23/16	9:40 AM	S	1/8oz	
6 S17-2.5'	12/23/16	9:45 AM	S	1/8oz	
7 S18-0.5'	12/22/16	4:10 PM	S	1/8oz	
8 S18-1.5'	12/22/16	4:15 PM	S	1/8oz	
9 S18-2.5'	12/22/16	4:20 PM	S	1/8oz	
10			S		

Signature		Print Name		Company / Title		Date / Time	
		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040	
		Zaid Padilla		EA		12/24/16 1040	
1 Relinquished By:							
1 Received By:							
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							

<b>ENTHALPY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>	
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: x      4 Day:      3 Day:	
Phone: (714) 771-6900    Fax: (714) 771-9933		Page: 6 of 12		1 Day:      Same Day:	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		<b>Matrix:</b> A = Air    DW = Drinking Water FL = Food Liquid    FS = Food Solid    L = Liquid PP = Pure Product    S = Solid    SeaW = Sea Water SW = Swab    W = Water    WP = Wipe    O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl    3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH    6 = Other	

PROJECT INFORMATION				Analysis Request				Test Instructions / Comments	
Name: Grant HS		Title 22 Metals (6010B/7471A)		Analyze 0.5' samples. Hold deeper samples.		Pet Hydrocarbon as gas, diesel, oil 8015cc VOCs (8260B) PCBs (8081A)			
Number:		Arsenic (6020)							
P.O. #:		Lead (6010B)							
Address: 13000 Oxnard St.		Organochlorine Pesticides (8081B)							
Los Angeles, CA 91335									
Global ID:									
Sampled By: D. Baysa									

CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	CES Group	Name:	Grant HS	Matrix	Container No. / Size	Pres.	
Report To:	Skye Green	Number:		S	1/8oz		
Email:	sgreen@cesgroup.co	P.O. #:		S	1/8oz		
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.	S	1/8oz		
	Temecula, CA 92592		Los Angeles, CA 91335	S	1/8oz		
Phone:	714-398-6363	Global ID:		S	1/8oz		
Fax:	951-848-9812	Sampled By:	D. Baysa	S	1/8oz		


Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S19-0.5'	12/22/16	3:00 PM	S	1/8oz	
2 S19-1.5'	12/22/16	3:20 PM	S	1/8oz	
3 S19-2.5'	12/22/16	3:25 PM	S	1/8oz	
4 S20-0.5'	12/23/16	9:30 AM	S	1/8oz	
5 S20-1.5'	12/23/16	9:40 AM	S	1/8oz	
6 S20-2.5'	12/23/16	9:45 AM	S	1/8oz	
7 S21-0.5'	12/22/16	3:55 PM	S	1/8oz	
8 S21-1.5'	12/22/16	4:00 PM	S	1/8oz	
9 S21-2.5'	12/22/16	4:05 PM	S	1/8oz	
10			S		

Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040	
1 Received By:		ZAD PAVILIA		EA		12/24/16 1040	
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							



ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)								
806 N. Batavia St., Orange, CA 92868		Lab No: 385825		Standard: x		4 Day: 3 Day:						
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 7 of 12		2 Day: 1 Day:		Same Day:						
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>								
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other								
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water										
		SW = Swab W = Water WP = Wipe O = Other										
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments				
Company:	CES Group	Name:	Grant HS									
Report To:	Skye Green	Number:										
Email:	sgreen@cesgroup.co	P.O. #:										
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	18605 Erwin St.									
	Temecula, CA 92592		Tarzana, CA 91335									
Phone:	714-398-6363	Global ID:										
Fax:	951-848-9812	Sampled By:	D. Baysa									
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)
1 S22-0.5'	12/23/16	9:40 AM	S	1/8oz		x						
2 S22-1.5'	12/23/16	9:45 AM	S	1/8oz								
3 S22-2.5'	12/23/16	9:50 AM	S	1/8oz								
4 S23-0.5'	12/23/16	9:50 AM	S	1/8oz		x	x					
5 S23-1.5'	12/23/16	9:55 AM	S	1/8oz								
6 S23-2.5'	12/23/16	10:00 AM	S	1/8oz								
7 S24-0.5'	12/23/16	10:05 AM	S	1/8oz		x		x				
8 S24-1.5'	12/23/16	10:10 AM	S	1/8oz								
9 S24-2.5'	12/23/16	10:18 AM	S	1/8oz								
10			S									
Signature		Print Name		Company / Title		Date / Time						
1 Relinquished By: [Signature]		Danny Baysa		CES Group/ Field Supervisor		12/24/16 10:40						
1 Received By: [Signature]		[Signature]		EA		12/24/16 10:40						
2 Relinquished By:												
2 Received By:												
3 Relinquished By:												
3 Received By:												

<b>ENTHALPY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>			
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: <b>x</b>		4 Day: <b></b> 3 Day: <b></b>	
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: <b>8</b> of <b>12</b>		2 Day: <b></b> 1 Day: <b></b>		Same Day: <b></b>	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other <b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			



  

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group	Name:	Grant HS												
Report To:	Skye Green	Number:													
Email:	<a href="mailto:sgreen@cesgroup.co">sgreen@cesgroup.co</a>	P.O. #:													
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.												
	Temecula, CA 92592		Los Angeles, CA 91335												
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	D. Baysa												

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S25-0.5'	12/23/16	10:45 AM	S	1/8oz	
2 S25-1.5'	12/23/16	10:50 AM	S	1/8oz	
3 S25-2.5'	12/23/16	10:55 AM	S	1/8oz	
4 S26-0.5'	12/23/16	10:40 AM	S	1/8oz	x
5 S26-1.5'	12/23/16	10:45 AM	S	1/8oz	
6 S26-2.5'	12/23/16	10:50 AM	S	1/8oz	
7 S27-0.5'	12/23/16	10:50 AM	S	1/8oz	x
8 S27-1.5'	12/23/16	10:55 AM	S	1/8oz	
9 S27-2.5'	12/23/16	11:00 AM	S	1/8oz	
10			S		

Signature	Print Name	Company / Title	Date / Time
	Danny Baysa	CES Group/ Field Supervisor	12/24/16 1040
	DANNY PADILLA	EA	12/29/16 1040

1 Relinquished By:	2 Relinquished By:	3 Relinquished By:
1 Received By:	2 Received By:	3 Received By:

<b>ENTHALPHY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>	
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: x    4 Day:    3 Day:	
Phone: (714) 771-6900    Fax: (714) 771-9933		Page: 9 of 12		1 Day:    Same Day:	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		<b>Matrix:</b> A = Air    DW = Drinking Water FL = Food Liquid    FS = Food Solid    L = Liquid PP = Pure Product    S = Solid    SeaW = Sea Water SW = Swab    W = Water    WP = Wipe    O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl    3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH    6 = Other	

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments		
Company:	CES Group	Name:	Grant HS											Analyze 0.5' samples. Hold deeper samples.
Report To:	Skye Green	Number:												
Email:	sgreen@cesgroup.co	P.O. #:												
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	18605 Erwin St.											
	Temecula, CA 92592		Tarzana, CA 91335											
Phone:	714-398-6363	Global ID:												
Fax:	951-848-9812	Sampled By:	D. Baysa											


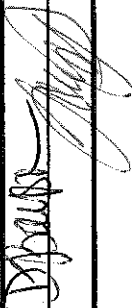

  




Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Company / Title	Date / Time
1 S28-0.5'	12/23/16	10:30 AM	S	1/8oz		CES Group/ Field Supervisor	12/24/16 1040
2 S28-1.5'	12/23/16	10:35 AM	S	1/8oz			
3 S28-2.5'	12/23/16	10:40 AM	S	1/8oz			
4 S29-0.5'	12/23/16	10:05 AM	S	1/8oz	x		
5 S29-1.5'	12/23/16	10:10 AM	S	1/8oz			
6 S29-2.5'	12/23/16	10:15 AM	S	1/8oz			
7 S30-0.5'	12/23/16	10:35 AM	S	1/8oz	x		
8 S30-1.5'	12/23/16	10:40 AM	S	1/8oz			
9 S30-2.5'	12/23/16	10:45 AM	S	1/8oz			
10			S				


  

Relinquished By:	Signature	Print Name	Company / Title
1 Relinquished By:		Danny Baysa	CES Group/ Field Supervisor
1 Received By:		D. Baysa	EA
2 Relinquished By:			
2 Received By:			
3 Relinquished By:			
3 Received By:			

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)					
806 N. Batavia St., Orange, CA 92868		Lab No: 385825		Standard: x		3 Day:			
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 10 of 12		2 Day:		1 Day:			
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water							
SW = Swab W = Water WP = Wipe O = Other									
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments	
Company:	CES Group	Name:	Grant HS					Analyze 0.5' samples. Hold deeper samples.	
Report To:	Skye Green	Number:							
Email:	sgreen@cesgroup.co	P.O. #:							
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.						
	Temecula, CA 92592		Los Angeles, CA 91335						
Phone:	714-398-6363	Global ID:							
Fax:	951-848-9812	Sampled By:	D. Baysa						
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.			
1 S31-0.5'		12/23/16	9:50 AM	S	1/8oz				
2 S31-1.5'		12/23/16	9:55 AM	S	1/8oz				
3 S31-2.5'		12/23/16	10:00 AM	S	1/8oz				
4 S32-0.5'		12/23/16	10:20 AM	S	1/8oz				
5 S32-1.5'		12/23/16	10:25 AM	S	1/8oz				
6 S32-2.5'		12/23/16	10:30 AM	S	1/8oz				
7 S33-0.5'		12/23/16	10:25 AM	S	1/8oz				
8 S33-1.5'		12/23/16	10:30 AM	S	1/8oz				
9 S33-2.5'		12/23/16	10:35 AM	S	1/8oz				
10				S					
Signature		Print Name		Company / Title		Date / Time			
1 Relinquished By: [Signature]		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040			
1 Received By: [Signature]		[Signature]		[Signature]		12/24/16 1040			
2 Relinquished By:									
2 Received By:									
3 Relinquished By:									
3 Received By:									



ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)			
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: <b>385825</b>		Standard: x		4 Day: 3 Day:	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: 11 of 12		2 Day: 1 Day: Same Day:			
		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			
CUSTOMER INFORMATION		PROJECT INFORMATION			Analysis Request		Test Instructions / Comments
Company:	CES Group	Name:	Grant HS				Analyze 0.5' samples. Hold deeper samples.
Report To:	Skye Green	Number:					
Email:	sgreen@cesgroup.co	P.O. #:					
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	18605 Erwin St.				
	Temecula, CA 92592		Tarzana, CA 91335				
Phone:	714-398-6363	Global ID:					
Fax:	951-848-9812	Sampled By:	D. Baysa				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.		
1 S52-0.5'	12/23/16	11:05 AM	S	1/8oz		x	
2 S52-1.5'	12/23/16	11:08 AM	S	1/8oz			
3 S52-2.5'	12/23/16	11:15 AM	S	1/8oz			
4 S55-0.5'	12/23/16	11:10 AM	S	1/8oz		x	
5 S55-1.5'	12/23/16	11:15 AM	S	1/8oz			
6 S55-2.5'	12/23/16	11:20 AM	S	1/8oz			
7 S65-0.5'	12/23/16	8:40 AM	S	1/8oz		x	
8 S65-1.5'	12/23/16	8:45 AM	S	1/8oz			
9 S65-2.5'	12/23/16	8:49 AM	S	1/8oz			
10			S				
Signature		Print Name		Company / Title		Date / Time	
		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040	
1 Relinquished By:							
1 Received By:				EA		12/24/16 1040	
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							


ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)						
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: 385825		Standard: x		4 Day: 3 Day:				
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: 12 of 12		2 Day: 1 Day:		Same Day:				
		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other						
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request				Test Instructions / Comments		
Company:	CES Group	Name:	Grant HS					Analyze 0.5' samples. Hold deeper samples.		
Report To:	Skye Green	Number:								
Email:	sgreen@cesgroup.co	P.O. #:								
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.							
	Temecula, CA 92592		Los Angeles, CA 91335							
Phone:	714-398-6363	Global ID:								
Fax:	951-848-9812	Sampled By:	D. Baysa							
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.					
1 S66-0.5'	12/23/16	8:25 AM	S	1/8oz						
2 S66-1.5'	12/23/16	8:30 AM	S	1/8oz						
3 S66-2.5'	12/23/16	8:34 AM	S	1/8oz						
4 S7D-0.5'	12/23/16	7:45 AM	S	1/8oz						
5 S17D-0.5'	12/23/16	9:35 AM	S	1/8oz						
6 S20D-0.5'	12/23/16	9:35 AM	S	1/8oz						
7 Soil Drums	12/23/16	2:30 PM	S	1/8oz						
8 Drum Water	12/23/16	2:20 PM	W	4/VOAs, 1L						
9										
10										
Signature		Print Name		Company / Title		Date / Time				
1 Relinquished By: 		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040				
1 Received By: 		Zaid Padilla		EA		12/24/16 1040				
2 Relinquished By:										
2 Received By:										
3 Relinquished By:										
3 Received By:										

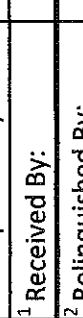
<b>ENTHALPY ANALYTICAL, INC.</b> 806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933 Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				<b>Chain of Custody Record</b> Lab No: <b>385825</b> Page: 1 of 3		<b>Turn Around Time (Rush by advanced notice only)</b> Standard: x 4 Day: 3 Day: 2 Day: 1 Day: Same Day:	
Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other							

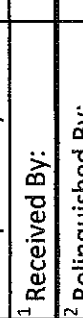
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group			Name:	Grant HS			Lead (6010B)							
Report To:	Skye Green			Number:				Organochlorine Pesticides (80818)							
Email:	sgreen@cesgroup.co			P.O. #:	27016			Pet Hydrocarbon as gas, diesel, oil 8015cc							
Address:	33353 Temecula Pkwy, Suite 104#333			Address:	13000 Oxnard St.			VOCs (8260B)							
	Temecula, CA 92592				Los Angeles, CA 91335			PCBs (8081A)							
Phone:	714-398-6363			Global ID:				Arsenic (6020)							
Fax:	951-848-9812			Sampled By:	D. Baysa										

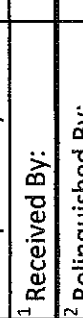
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S1/SG1-2.5'	12/22/16	12:25 PM	S	6/VOA, Sleeve	
2 S1/SG1-5'	12/22/16	12:30 PM	S	6/VOA, Sleeve	
3 S1/SG1-10'	12/22/16	12:35 PM	S	6/VOA, Sleeve	
4 S2/SG2-5'	12/22/16	1:35 PM	S	6/VOA, Sleeve	
5 S2/SG2-10'	12/22/16	1:40 PM	S	6/VOA, Sleeve	
6 S3/SG3-5'	12/22/16	2:35 PM	S	6/VOA, Sleeve	
7 S3/SG3-10'	12/22/16	2:40 PM	S	6/VOA, Sleeve	
8 S50/SG4-5'	12/22/16	11:05 AM	S	6/VOA, Sleeve	
9 S50/SG4-10'	12/22/16	11:10 AM	S	6/VOA, Sleeve	
10			S		

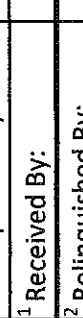
Signature	Print Name	Company / Title	Date / Time
	Danny Baysa	CES Group/ Field Supervisor	12/24/16 1040
	DANA PADILLA		12/24/16 1040

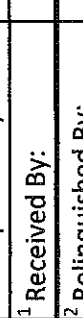
1 Relinquished By: 

1 Received By: 

2 Relinquished By: 

2 Received By: 

3 Relinquished By: 

3 Received By: 

<b>ENTHALPHY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>			
806 N. Batavia St., Orange, CA 92868		Lab No: <b>385825</b>		Standard: <input checked="" type="checkbox"/> 4 Day: <input type="checkbox"/> 3 Day: <input type="checkbox"/>			
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: <b>2</b> of <b>3</b>		2 Day: <input type="checkbox"/> 1 Day: <input type="checkbox"/> Same Day: <input type="checkbox"/>			
Billing: Enthalpy - SoCal		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			
c/o Montrose Environmental Group							
1 Park Plaza, Suite 1000, Irvine, CA 92614							

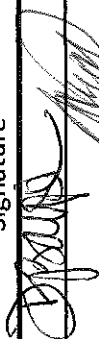
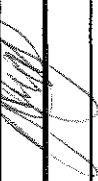
  

CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group	Name:	Grant HS			Lead (60108)	Arsenic (6020)	Organochlorine Pesticides (80818)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (60108/7471A)	
Report To:	Skye Green	Number:											
Email:	sgreen@cesgroup.co	P.O. #:	27016										
Address:	33353 Temecula Pkwy, Suite 104#333	Address:	13000 Oxnard St.										
	Temecula, CA 92592		Los Angeles, CA 91335										
Phone:	714-398-6363	Global ID:											
Fax:	951-848-9812	Sampled By:	D. Baysa										

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S59-5'	12/22/16	9:10 AM	S	6/VOA, Sleeve	
2 S59-10'	12/22/16	9:15 AM	S	6/VOA, Sleeve	
3 S60-5'	12/22/16	9:30 AM	S	6/VOA, Sleeve	
4 S60-10'	12/22/16	9:35 AM	S	6/VOA, Sleeve	
5 S61-5'	12/22/16	8:50 AM	S	6/VOA, Sleeve	
6 S61-10'	12/22/16	9:00 AM	S	6/VOA, Sleeve	
7 S62-5'	12/22/16	8:20 AM	S	6/VOA, Sleeve	
8 S62-10'	12/22/16	8:30 AM	S	6/VOA, Sleeve	
9 S63-5'	12/22/16	10:35 AM	S	6/VOA, Sleeve	
10 S63-10'	12/22/16	10:40 AM	S	6/VOA, Sleeve	




  

Signature	Print Name	Company / Title	Date / Time
	Danny Baysa	CES Group/ Field Supervisor	12/24/16 1040
	Danny Baysa	EA	12/24/16 1040

1 Relinquished By:	2 Relinquished By:	3 Relinquished By:
1 Received By:	2 Received By:	3 Received By:



ENTHALPHY ANALYTICAL, INC.			Chain of Custody Record			Turn Around Time (Rush by advanced notice only)									
806 N. Batavia St., Orange, CA 92868			Lab No: 385825			Standard: x									
Phone: (714) 771-6900 Fax: (714) 771-9933			Page: 3 of 3			2 Day: 1 Day: Same Day:									
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614						Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other									
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group			Name:	Grant HS										
Report To:	Skye Green			Number:											
Email:	sgreen@cesgroup.co			P.O. #:	27016										
Address:	33353 Temecula Pkwy, Suite 104#333			Address:	13000 Oxnard St.										
	Temecula, CA 92592				Los Angeles, CA 91335										
Phone:	714-398-6363			Global ID:											
Fax:	951-848-9812			Sampled By:	D. Baysa										
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)			
1 S64-5'	12/22/16	10:15 AM	S	6/VOA, Sleeve					x		x	x			
2 S64-10'	12/22/16	10:25 AM	S	6/VOA, Sleeve					x		x	x			
3			S												
4			S												
5			S												
6			S												
7			S												
8			S												
9			S												
10			S												
Signature		Print Name		Company / Title		Date / Time									
1 Relinquished By: 		Danny Baysa		CES Group/ Field Supervisor		12/24/16 1040									
1 Received By: 		MAD PAVILLA		BA		12/24/16 1040									
2 Relinquished By:															
2 Received By:															
3 Relinquished By:															
3 Received By:															



Client: CES GROUP Project: GRANT HS  
Date Received: 12/24/16 Sampler's Name Present: Yes No  
Sample(s) received in a cooler? Yes How many? 3 No (skip section 2) Sample Temp (°C): \_\_\_\_\_  
Sample Temp (°C) from each cooler: #1: 1.7° #2: 3.4° #3: 1.3° #4: \_\_\_\_\_  
*(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)*  
Shipping Information: \_\_\_\_\_

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 0.1°C #2: 1.2°C #3: 0.8°C #4: \_\_\_\_\_

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were sample IDs present?	✓		
Were sampling dates & times present?	✓		
Was a relinquished signature present?	✓		
Were the tests required clearly indicated?	✓		
Were custody seals present?		✓	
If Yes – were they intact?			✓
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?		✓	
Were the containers labeled with correct preservatives?	✓		

Explanations/Comments: RECEIVED 1 AMBER FOR 'DRUM WATER' SAMPLE.

For discrepancies, how was the Project Manager notified? Verbal PM Initials: W.Y. Date/Time 12/29/16  
Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response: \_\_\_\_\_  
\_\_\_\_\_

12 | 24 | 16

<b>ENTHALPHY ANALYTICAL, INC.</b> 931 W. Barkley Ave, Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		<b>ENTHALPHY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b> Lab No: Page: 1 of 1 Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Turn Around Time (Rush by advanced notice only)</b> Standard: <input checked="" type="checkbox"/> 4 Day: 2 Day: 1 Day: Same Day: Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other												
<b>CUSTOMER INFORMATION</b>				<b>PROJECT INFORMATION</b>				<b>Analysis Request</b>				<b>Test Instructions / Comments</b>						
Company:	OES GROUP			Name:	GRANT H.S.			8015 - CC, P, H.O.				Add to 385825-129						
Report To:				Number:														
Email:				P.O. #:	27016													
Address:				Address:	13000 CYNARD													
					V.A.													
Phone:				Global ID:														
Fax:				Sampled By:	D. Boush													
Sample ID				Sampling Date	12/29/16		Sampling Time	1230		Matrix	W		Container No. / Size	3/1L/BLU		Pres.		
1 DRUM WATER																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
Signature				Print Name				Company / Title				Date / Time						
1 Relinquished By: D. Boush				DANNY BAKSA				OES / FLD SUPV				12/30/16 1130						
1 Received By: Grant Boush				Gerardo Cossentino				EA				12/30/16 @ 1130						
2 Relinquished By:																		
2 Received By:																		
3 Relinquished By:																		
3 Received By:																		



## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Grant HS CES Group Project: Grant H.S.

Date Received: 12/30/16 Sampler's Name Present: Yes No

Sample(s) received in a cooler? Yes How many? 2 No (skip section 2) Sample Temp (°C): \_\_\_\_\_

Sample Temp (°C) from each cooler: #1: 10.9 #2: 15.0 #3: \_\_\_\_\_ #4: \_\_\_\_\_

(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)

Shipping Information: \_\_\_\_\_

**Section 2**

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 3.7 #2: 3.6 #3: \_\_\_\_\_ #4: \_\_\_\_\_

Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample IDs present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sampling dates & times present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a relinquished signature present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were the tests required clearly indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If Yes – were they intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were all samples sealed in plastic bags?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was there headspace in VOA vials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Section 4**

Explanations/Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Section 5**

For discrepancies, how was the Project Manager notified? Verbal PM Initials: \_\_\_\_\_ Date/Time \_\_\_\_\_

Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Completed By: Theresa L. Leland Date: 12/30/16

## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Friday, January 06, 2017 12:57 PM  
**To:** Ranjit Clarke; 'Danny Baysa'  
**Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Ranjit,  
Please run S8-0.5' and S9-0.5' for STLC and deeper samples for lead (S8-1.5' and S9-1.5'). Normal turn around time.  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Thursday, January 5, 2017 4:29 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Hi Skye Green,

Attached is your final report #385825.

Please let me know if you require STLC and/or TCLP Lead on the following samples:

S8-0.5' and S9-0.5'

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Friday, January 06, 2017 1:29 PM  
**To:** Ranjit Clarke  
**Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Please add the TCLP analysis for S8-0.5' and S9-0.5' also.  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Friday, January 6, 2017 12:58 PM  
**To:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>; 'Danny Baysa' <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Will do.



Ranjit Clarke  
Senior Project Manager  
O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209  
[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)

---

**From:** Skye Green [<mailto:sgreen@cesgroup.co>]  
**Sent:** Friday, January 06, 2017 12:57 PM  
**To:** Ranjit Clarke <[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)>; 'Danny Baysa' <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Ranjit,  
Please run S8-0.5' and S9-0.5' for STLC and deeper samples for lead (S8-1.5' and S9-1.5'). Normal turn around time.  
Thanks,

*Skye Green, P.E.*

## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Friday, January 20, 2017 8:52 AM  
**To:** Ranjit Clarke  
**Subject:** Grant HS Lead results

Ranjit,  
For Grant HS, can you run S9-1.5' for lead STLC and run S9-2.5' for lead?  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Friday, January 27, 2017 9:37 AM  
**To:** Ranjit Clarke  
**Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825 - Supplemental Report 2

Thank you. Can you run the STLC on sample S9-2.5' for Grant HS?

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Thursday, January 26, 2017 5:22 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825 - Supplemental Report 2

Hi Skye Green,

Attached is your final report #385825. Supplemental Report 2.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Thursday, February 02, 2017 5:26 PM  
**To:** Ranjit Clarke  
**Subject:** RE: Enthalpy Analytical Final Report #385825

Ranjit,  
For the Grant site, please run S9-2.5' for TCLP. Normal TAT is fine.  
Thank you,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Thursday, February 2, 2017 5:14 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Enthalpy Analytical Final Report #385825

Hi Skye Green,

Attached is your final report #385825.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## Enthalpy Analytical, Inc.

### Formerly Associated Labs

806 N. Batavia - Orange, CA 92868  
Tel: (714)771-6900 Fax: (714)538-1209  
www.associatedlabs.com  
info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 386689  
Report Date: 02/07/2017  
Date Received: 01/18/2017  
Client ID: 15581

Comments: Grant HS  
PO# 27016  
13000 Oxnard St., Los Angeles, CA 91335

### Supplemental Report 2

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

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<u>Sample #</u>	<u>Client Sample ID</u>
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386689-001	S67-0.5'
386689-002	S67-1.5'
386689-003	S67-2.5'
386689-004	S68-0.5'
386689-005	S68-1.5'
386689-006	S68-2.5'
386689-007	S69-0.5'
386689-008	S69-1.5'
386689-009	S69-2.5'
386689-010	S70-0.5'
386689-011	S70-1.5'
386689-012	S70-2.5'

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Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 13:45	<b>Site:</b>	
<b>Sample #:</b> <u>386689-001</u>	<b>Client Sample #:</b> S67-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174600	
<b>Lead</b>	<b>50.2</b>	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174909	
<b>Lead</b>	<b>3.02</b>	10	0.12	0.15	mg/L	02/01/17	02/01/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174601	
<b>Arsenic</b>	<b>5.04</b>	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1174505	
<b>4,4'-DDD</b>	<b>8.5</b>	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW
<b>4,4'-DDE</b>	<b>15</b>	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW
<b>4,4'-DDT</b>	<b>79</b>	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW
a-BHC	ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW
Aldrin	ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW
b-BHC	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
<b>Chlordane (technical)</b>	<b>150</b>	1	12	50	ug/Kg	01/20/17	01/23/17	LW
d-BHC	ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW
Dieldrin	ND	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan I	ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan II	ND	1	0.8	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan sulfate	ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW
Endrin	ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW
Endrin aldehyde	ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW
Endrin Ketone	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor	ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor epoxide	ND	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW
Lindane (Gamma-BHC)	ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW
Methoxychlor	ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW
Toxaphene	ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>			<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)	112			50-150				
Tetrachloro-m-xylene TCMX (SUR)	107			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 13:50	<b>Site:</b>	
<b>Sample #:</b> <u>386689-002</u>	<b>Client Sample #:</b> S67-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174765	
<b>Lead</b>	<b>39.1</b>	1	0.32	0.5	mg/Kg	01/27/17	01/30/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 13:55	<b>Site:</b>	
<b>Sample #:</b> <u>386689-003</u>	<b>Client Sample #:</b> S67-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:00	<b>Site:</b>	
<b>Sample #:</b> <u>386689-004</u>	<b>Client Sample #:</b> S68-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 1311/3010A						QCBatchID: QC1174876	
<b>Lead</b>	<b>0.061</b>	1	0.004	0.05	mg/L	01/31/17	02/01/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174600	
<b>Lead</b>	<b>126</b>	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174909	
<b>Lead</b>	<b>7.44</b>	10	0.12	0.15	mg/L	02/01/17	02/01/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174601	
<b>Arsenic</b>	<b>5.79</b>	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1174505	
4,4'-DDD	ND	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW
4,4'-DDE	39	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW
4,4'-DDT	28	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW
a-BHC	ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW
Aldrin	ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW
b-BHC	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Chlordane (technical)	270	1	12	50	ug/Kg	01/20/17	01/23/17	LW
d-BHC	ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW
Dieldrin	20	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan I	ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan II	ND	1	0.8	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan sulfate	ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW
Endrin	ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW
Endrin aldehyde	ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW
Endrin Ketone	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor	ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor epoxide	6.5	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW
Lindane (Gamma-BHC)	ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW
Methoxychlor	ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW
Toxaphene	ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW
<u>Surrogate</u>	<u>% Recovery</u>			<u>Limits</u>		<u>Notes</u>		
Decachlorobiphenyl DCB (SUR)	116			50-150				
Tetrachloro-m-xylene TCMX (SUR)	104			50-150				

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:05	<b>Site:</b>	
<b>Sample #:</b> <u>386689-005</u>	<b>Client Sample #:</b> S68-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174765	
<b>Lead</b>	<b>10.9</b>	1	0.32	0.5	mg/Kg	01/27/17	01/30/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:10	<b>Site:</b>	
<b>Sample #:</b> <u>386689-006</u>	<b>Client Sample #:</b> S68-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:05	<b>Site:</b>	
<b>Sample #:</b> <u>386689-007</u>	<b>Client Sample #:</b> S69-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174600	
<b>Lead</b>	<b>54.4</b>	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1174909	
<b>Lead</b>	<b>2.97</b>	10	0.12	0.15	mg/L	02/01/17	02/01/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174601	
<b>Arsenic</b>	<b>20.0</b>	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1174505	
4,4'-DDD	ND	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW
4,4'-DDE	19	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW
4,4'-DDT	6.4	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW
a-BHC	ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW
Aldrin	ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW
b-BHC	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Chlordane (technical)	ND	1	12	50	ug/Kg	01/20/17	01/23/17	LW
d-BHC	ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW
<b>Dieldrin</b>	<b>2.9 J</b>	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW J
Endosulfan I	ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan II	ND	1	0.8	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan sulfate	ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW
Endrin	ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW
Endrin aldehyde	ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW
Endrin Ketone	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor	ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor epoxide	ND	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW
Lindane (Gamma-BHC)	ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW
Methoxychlor	ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW
Toxaphene	ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW
<u>Surrogate</u>			<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
Decachlorobiphenyl DCB (SUR)			98		50-150			
Tetrachloro-m-xylene TCMX (SUR)			104		50-150			

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:10	<b>Site:</b>	
<b>Sample #:</b> <u>386689-008</u>	<b>Client Sample #:</b> S69-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174765	
<b>Lead</b>	<b>27.5</b>	1	0.32	0.5	mg/Kg	01/27/17	01/30/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174829	
<b>Arsenic</b>	<b>12.8</b>	10	0.2	3	mg/Kg	01/30/17	02/01/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:15	<b>Site:</b>	
<b>Sample #:</b> <u>386689-009</u>	<b>Client Sample #:</b> S69-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175022	
<b>Arsenic</b>	<b>22.9</b>	10	0.2	3	mg/Kg	02/03/17	02/03/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:15	<b>Site:</b>	
<b>Sample #:</b> <u>386689-010</u>	<b>Client Sample #:</b> S70-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174600	
<b>Lead</b>	<b>22.0</b>	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1174601	
<b>Arsenic</b>	<b>5.06</b>	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545						QCBatchID: QC1174505	
<b>4,4'-DDD</b>	<b>16</b>	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW
<b>4,4'-DDE</b>	<b>10</b>	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW
<b>4,4'-DDT</b>	<b>4.1 J</b>	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW J
a-BHC	ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW
Aldrin	ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW
b-BHC	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
<b>Chlordane (technical)</b>	<b>93</b>	1	12	50	ug/Kg	01/20/17	01/23/17	LW
d-BHC	ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW
Dieldrin	ND	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan I	ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan II	ND	1	0.8	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan sulfate	ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW
Endrin	ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW
Endrin aldehyde	ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW
Endrin Ketone	ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor	ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor epoxide	ND	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW
Lindane (Gamma-BHC)	ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW
Methoxychlor	ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW
Toxaphene	ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW
<u>Surrogate</u>	<u>% Recovery</u>						<u>Limits</u>	<u>Notes</u>
Decachlorobiphenyl DCB (SUR)	78						50-150	
Tetrachloro-m-xylene TCMX (SUR)	91						50-150	

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:20	<b>Site:</b>	
<b>Sample #:</b> <u>386689-011</u>	<b>Client Sample #:</b> S70-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 01/16/2017 14:25	<b>Site:</b>	
<b>Sample #:</b> <u>386689-012</u>	<b>Client Sample #:</b> S70-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

QCBatchID: **QC1174505**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 01/20/2017

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1174505MB1</b>					
4,4'-DDD	ND	ug/Kg	0.67	5	
4,4'-DDE	ND	ug/Kg	0.57	5	
4,4'-DDT	ND	ug/Kg	0.95	5	
a-BHC	ND	ug/Kg	0.2	5	
Aldrin	ND	ug/Kg	0.34	5	
b-BHC	ND	ug/Kg	1.2	5	
Chlordane (technical)	ND	ug/Kg	12	50	
d-BHC	ND	ug/Kg	0.45	5	
Dieldrin	ND	ug/Kg	0.63	5	
Endosulfan I	ND	ug/Kg	0.28	5	
Endosulfan II	ND	ug/Kg	0.8	5	
Endosulfan sulfate	ND	ug/Kg	1.7	5	
Endrin	ND	ug/Kg	0.62	5	
Endrin aldehyde	ND	ug/Kg	0.9	5	
Endrin Ketone	ND	ug/Kg	1.2	5	
Heptachlor	ND	ug/Kg	0.44	5	
Heptachlor epoxide	ND	ug/Kg	0.27	5	
Lindane (Gamma-BHC)	ND	ug/Kg	0.3	5	
Methoxychlor	ND	ug/Kg	5.2	10	
Toxaphene	ND	ug/Kg	12	100	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174505LCS1											
4,4'-DDE	50		58		ug/Kg	116			70-130		
4,4'-DDT	50		54		ug/Kg	108			70-130		
a-BHC	50		58		ug/Kg	116			70-130		
Aldrin	50		57		ug/Kg	114			70-130		
b-BHC	50		52		ug/Kg	104			70-130		
d-BHC	50		58		ug/Kg	116			70-130		
Dieldrin	50		56		ug/Kg	112			70-130		
Endosulfan I	50		52		ug/Kg	104			70-130		
Endosulfan II	50		44		ug/Kg	88			70-130		
Endosulfan sulfate	50		60		ug/Kg	120			70-130		
Endrin	50		57		ug/Kg	114			70-130		
Endrin aldehyde	50		50		ug/Kg	100			70-130		
Heptachlor	50		53		ug/Kg	106			70-130		
Heptachlor epoxide	50		56		ug/Kg	112			70-130		
Lindane (Gamma-BHC)	50		56		ug/Kg	112			70-130		
Methoxychlor	50		58		ug/Kg	116			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174505MS1, QC1174505MSD1											Source: 386689-001	
4,4'-DDE	15	50	50	68	67	ug/Kg	106	104	1.5	70-130	20	M
4,4'-DDT	79	50	50	71	66	ug/Kg	0	0	7.3	70-130	20	
a-BHC	ND	50	50	57	56	ug/Kg	114	112	1.8	70-130	20	
Aldrin	ND	50	50	58	56	ug/Kg	116	112	3.5	70-130	20	
b-BHC	ND	50	50	49	47	ug/Kg	98	94	4.2	70-130	20	

QCBatchID: **QC1174505**

Analyst: nhernandez

Method: EPA 8081A

Matrix: Solid

Analyzed: 01/20/2017

Instrument: SVOA-GC (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1174505MS1, QC1174505MSD1											Source: 386689-001	
d-BHC	ND	50	50	56	56	ug/Kg	112	112	0.0	70-130	20	M
Dieldrin	ND	50	50	62	61	ug/Kg	124	122	1.6	70-130	20	
Endosulfan I	ND	50	50	48	47	ug/Kg	96	94	2.1	70-130	20	
Endosulfan II	ND	50	50	47	43	ug/Kg	94	86	8.9	70-130	20	
Endosulfan sulfate	ND	50	50	59	77	ug/Kg	118	154	26.5	70-130	20	
Endrin	ND	50	50	57	52	ug/Kg	114	104	9.2	70-130	20	
Endrin aldehyde	ND	50	50	54	49	ug/Kg	108	98	9.7	70-130	20	
Heptachlor	ND	50	50	50	49	ug/Kg	100	98	2.0	70-130	20	
Heptachlor epoxide	ND	50	50	53	52	ug/Kg	106	104	1.9	70-130	20	
Lindane (Gamma-BHC)	ND	50	50	56	54	ug/Kg	112	108	3.6	70-130	20	
Methoxychlor	ND	50	50	61	57	ug/Kg	122	114	6.8	70-130	20	



<b>QCBatchID:</b> <u>QC1174600</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/23/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174600MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174600LCS1											
Lead	100		98.8		mg/Kg	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174600MS1, QC1174600MSD1											Source: 386689-001	
Lead	50.2	100	100	140	162	mg/Kg	90	112	14.6	75-125	20	

<b>QCBatchID:</b> <u>QC1174601</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6020
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/23/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174601MB1</b>						
Arsenic	ND	mg/Kg	0.02	0.3		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174601LCS1											
Arsenic	50		54.5		mg/Kg	109			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174601MS1, QC1174601MSD1											Source: 386689-001	
Arsenic	5.04	50	50	51.2	51.8	mg/Kg	92	94	1.2	75-125	20	

<b>QCBatchID:</b> <u>QC1174765</u>	<b>Analyst:</b> jeannynguye	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/27/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174765MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174765LCS1											
Lead	100		89.9		mg/Kg	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174765MS1, QC1174765MSD1											Source: 386689-008	
Lead	27.5	100	100	111	112	mg/Kg	84	85	0.9	75-125	20	

<b>QCBatchID:</b> <u>QC1174829</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6020
<b>Matrix:</b> Solid	<b>Analyzed:</b> 01/30/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174829MB1</b>						
Arsenic	ND	mg/Kg	0.02	0.3		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174829LCS1											
Arsenic	50		58.0		mg/Kg	116			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174829MS1, QC1174829MSD1											Source: 386689-008	
Arsenic	12.8	50	50	63.5	60.5	mg/Kg	101	95	4.8	75-125	20	

QCBatchID: **QC1174876**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 01/31/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1174876MB1</b>					
<b>Arsenic</b>	<b>0.009 J</b>	mg/L	0.004	0.05	
<b>Barium</b>	<b>0.04 J</b>	mg/L	0.001	0.5	
Cadmium	ND	mg/L	0.001	0.05	
Chromium	ND	mg/L	0.002	0.05	
Lead	ND	mg/L	0.004	0.05	
<b>Selenium</b>	<b>0.030 J</b>	mg/L	0.004	0.05	
Silver	ND	mg/L	0.001	0.05	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1174876LCS1											
Arsenic	2		2.24		mg/L	112			80-120		
Barium	2		2.15		mg/L	108			80-120		
Cadmium	2		2.21		mg/L	111			80-120		
Chromium	2		1.990		mg/L	100			80-120		
Lead	2		1.933		mg/L	97			80-120		
Selenium	2		2.10		mg/L	105			80-120		
Silver	2		2.02		mg/L	101			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174876MS1, QC1174876MSD1											Source: 387114-001	
Arsenic	ND	1	1	1.059	0.985	mg/L	106	99	7.2	75-125	20	
Barium	0.04	1	1	1.03	0.94	mg/L	99	90	9.1	75-125	20	
Cadmium	ND	1	1	1.074	0.984	mg/L	107	98	8.7	75-125	20	
Chromium	ND	1	1	0.958	0.877	mg/L	96	88	8.8	75-125	20	
Lead	ND	1	1	0.939	0.876	mg/L	94	88	6.9	75-125	20	
Selenium	0.032	1	1	1.058	0.980	mg/L	103	95	7.7	75-125	20	
Silver	ND	1	1	0.935	0.939	mg/L	94	94	0.4	75-125	20	

<b>QCBatchID:</b> <u>QC1174909</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/01/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1174909MB1</b>						
<b>Chromium</b>	<b>0.021 J</b>	mg/L	0.006	0.03		
Lead	ND	mg/L	0.012	0.015		
<b>Nickel</b>	<b>0.016 J</b>	mg/L	0.003	0.06		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1174909MS1, QC1174909MSD1											Source: 386813-002	
Chromium	0.972	10	10	10.4	9.65	mg/L	94	87	7.5	75-125	20	
Lead	ND	10	10	8.74	8.43	mg/L	87	84	3.6	75-125	20	
Nickel	0.734	10	10	9.98	9.34	mg/L	92	86	6.6	75-125	20	

<b>QCBatchID:</b> <u>QC1175022</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6020
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/03/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1175022MB1</b>						
Arsenic	ND	mg/Kg	0.02	0.3		

<b>Lab Control Spike/ Lab Control Spike Duplicate Summary</b>								
Analyte	Spike Amount		Spike Result		Units	Recoveries		Limits
	LCS	LCSD	LCS	LCSD		LCS	LCSD	
						RPD		%Rec RPD
<b>QC1175022LCS1</b>								
Arsenic	50		59.7		mg/Kg	119		80-120

<b>Matrix Spike/Matrix Spike Duplicate Summary</b>											
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		Limits		Notes
		MS	MSD	MS	MSD		MS	MSD			
							RPD		%Rec RPD		
<b>QC1175022MS1, QC1175022MSD1</b>											<b>Source: 386688-005</b>
Arsenic	5.28	50	50	57.6	57.9	mg/Kg	105	105	0.5	75-125	20

# Data Qualifiers and Definitions

## Qualifiers


<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds



<b>ENTHALPHY ANALYTICAL, INC.</b>				<b>Chain of Custody Record</b>				<b>Turn Around Time (Rush by advanced notice only)</b>							
806 N. Batavia St., Orange, CA 92868				Lab No: 386689				Standard: x							
Phone: (714) 771-6900 Fax: (714) 771-9933				Page: 1 of 2				2 Day: 1 Day: Same Day:							
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other							
<b>CUSTOMER INFORMATION</b>				<b>PROJECT INFORMATION</b>				<b>Analysis Request</b>				<b>Test Instructions / Comments</b>			
Company: CES Group		Name: Grant HS		Name: Grant HS		Name: Grant HS		Name: Grant HS		Name: Grant HS		Name: Grant HS		Name: Grant HS	
Report To: Skye Green		Number:		Number:		Number:		Number:		Number:		Number:		Number:	
Email: sgreen@cesgroup.co		P.O. #: 27016		P.O. #: 27016		P.O. #: 27016		P.O. #: 27016		P.O. #: 27016		P.O. #: 27016		P.O. #: 27016	
Address: 33353 Temecula Pkwy, Suite 104#333		Address: 13000 Oxnard St.		Address: 13000 Oxnard St.		Address: 13000 Oxnard St.		Address: 13000 Oxnard St.		Address: 13000 Oxnard St.		Address: 13000 Oxnard St.		Address: 13000 Oxnard St.	
Temecula, CA 92592		Los Angeles, CA 91335		Los Angeles, CA 91335		Los Angeles, CA 91335		Los Angeles, CA 91335		Los Angeles, CA 91335		Los Angeles, CA 91335		Los Angeles, CA 91335	
Phone: 714-398-6363		Global ID:		Global ID:		Global ID:		Global ID:		Global ID:		Global ID:		Global ID:	
Fax: 951-848-9812		Sampled By: D. Baysa		Sampled By: D. Baysa		Sampled By: D. Baysa		Sampled By: D. Baysa		Sampled By: D. Baysa		Sampled By: D. Baysa		Sampled By: D. Baysa	
Sample ID		Sampling Date		Sampling Time		Matrix		Container No. / Size		Pres.		Sample ID		Sampling Date	
1 S67-0.5'		01/16/17		1:45 PM		S		1/8oz				1 S67-0.5'		01/16/17	
2 S67-1.5'		01/16/17		1:50 PM		S		1/8oz				2 S67-1.5'		01/16/17	
3 S67-2.5'		01/16/17		1:55 PM		S		1/8oz				3 S67-2.5'		01/16/17	
4 S68-0.5'		01/16/17		2:00 PM		S		1/8oz				4 S68-0.5'		01/16/17	
5 S68-1.5'		01/16/17		2:05 PM		S		1/8oz				5 S68-1.5'		01/16/17	
6 S68-2.5'		01/16/17		2:10 PM		S		1/8oz				6 S68-2.5'		01/16/17	
7 S69-0.5'		01/16/17		2:05 PM		S		1/8oz				7 S69-0.5'		01/16/17	
8 S69-1.5'		01/16/17		2:10 PM		S		1/8oz				8 S69-1.5'		01/16/17	
9 S69-2.5'		01/16/17		2:15 PM		S		1/8oz				9 S69-2.5'		01/16/17	
10												10			
Signature				Print Name				Company / Title				Date / Time			
1 Relinquished By: [Signature]				Danny Baysa				CES Group/ Field Supervisor				1/18/17 9:00			
1 Received By: [Signature]				T. Nasu				EA				1/18/17 9:00			
2 Relinquished By:															
2 Received By:															
3 Relinquished By:															
3 Received By:															

<b>ENTHALPHY ANALYTICAL, INC.</b> 806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933 Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				<b>Chain of Custody Record</b> Lab No: 386089 Page: 2 of 2		<b>Turn Around Time (Rush by advanced notice only)</b> Standard: x 4 Day: 3 Day: 2 Day: 1 Day: Same Day:					
<b>CUSTOMER INFORMATION</b> Company: CES Group Report To: Skye Green Email: sgreen@cesgroup.co Address: 33353 Temecula Pkwy, Suite 104#333 Temecula, CA 92592 Phone: 714-398-6363 Fax: 951-848-9812				<b>PROJECT INFORMATION</b> Name: Grant HS Number: P.O. #: 27016 Address: 13000 Oxnard St. Los Angeles, CA 91335 Global ID: Sampled By: D. Baysa		<b>Analysis Request</b> Lead (6010B) x x x Arsenic (6020) x x x Organochlorine Pesticides (8081B) VOCs (8260B) PCBs (8081A) Title 22 Metals (6010B/7471A)		<b>Test Instructions / Comments</b>			
<b>SAMPLE ID</b> 1 S67-0.5' 2 S67-1.5' 3 S67-2.5' 4 5 6 7 8 9 10				<b>SAMPLING</b> Date Time 01/16/17 2:15 PM 01/16/17 2:20 PM 01/16/17 2:25 PM		<b>MATRIX</b> Matrix S S S		<b>CONTAINER</b> No. / Size 1/8oz 1/8oz 1/8oz		<b>PRES.</b> Pres.	
<b>SIGNATURE</b> Relinquished By: [Signature] Received By: [Signature] Relinquished By: Received By: Relinquished By: Received By:				<b>PRINT NAME</b> Danny Baysa T. Baysa		<b>COMPANY / TITLE</b> CES Group/ Field Supervisor EA		<b>DATE / TIME</b> 01/18/17 0900 01/18/17 9:00			



## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES GROUP Project: GRANT HS  
Date Received: 1/15/17 Sampler's Name Present: Yes No  
Sample(s) received in a cooler? Yes How many? 1 No (skip section 2) Sample Temp (°C): \_\_\_\_\_  
Sample Temp (°C) from each cooler: #1: 6.6°C #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_  
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)  
Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_  
Cooler Temp (°C): #1: 4.7°C #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample IDs present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sampling dates & times present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a relinquished signature present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were the tests required clearly indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If Yes – were they intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were all samples sealed in plastic bags?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<u>TR</u> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was there headspace in VOA vials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Section 4

Explanations/Comments: 2ND PAGE OF SAMPLES ON COC DO NOT MATCH CONTAINERS. SAMPLE CONTAINERS READ S70-0.5', S70-1.5', S70-2.5'

### Section 5

For discrepancies, how was the Project Manager notified? Verbal PM Initials: RC Date/Time 1/15/17  
Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_  
Project Manager's response: \_\_\_\_\_

Completed By: Tyler Va Date: 1/15/17

## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Friday, January 20, 2017 3:09 PM  
**To:** Ranjit Clarke  
**Cc:** Danny Baysa  
**Subject:** Re: Sample ID ?s: Grant HS (01/16/17)

I just confirmed with Danny that the jars are correct.  
Thanks.

On Jan 20, 2017, at 3:02 PM, Ranjit Clarke <[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)> wrote:

Thanks.

<image001.jpg>

Ranjit Clarke  
Senior Project Manager  
O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209  
[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)

---

**From:** Skye Green [<mailto:sgreen@cesgroup.co>]  
**Sent:** Friday, January 20, 2017 3:02 PM  
**To:** Ranjit Clarke <[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)>  
**Cc:** Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Re: Sample ID ?s: Grant HS (01/16/17)

I think the jars would be correct but Danny will confirm since he was out in the field.  
Skye

On Jan 20, 2017, at 1:10 PM, Ranjit Clarke <[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)> wrote:

Danny,

Please see COC pg. 2 of 2. The IDs listed on the page say "S67", but the jars receive reference "S70". I assume the jars are correct since you already have "S67" samples listed on pg. 1 of 2. Please confirm.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

<image001.jpg>

Ranjit Clarke  
Senior Project Manager  
Enthalpy Analytical  
931 W. Barkley Ave., Orange, CA 92868  
O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209

## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Thursday, January 26, 2017 11:33 AM  
**To:** Ranjit Clarke  
**Subject:** RE: Grant HS (01/16/17) - Enthalpy Analytical Final Report #386689

Ranjit,  
Please run the following for Grant HS:  
S67-0.5' STLC  
S67-1.5' Lead  
S68-0.5' STLC and TCLP  
S68-1.5' Lead  
S69-0.5' STLC  
S69-1.5' Lead and arsenic

Also, I believe that I am still waiting on S9-2.5' for lead and S9-1.5' STLC for Grant. Just want to make sure that they are still on their way.  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Wednesday, January 25, 2017 5:05 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Grant HS (01/16/17) - Enthalpy Analytical Final Report #386689

Hi Skye Green,

Attached is your final report #386689. Please let me know if you require STLC and/or TCLP on the S67-0.5', S68-0.5', and S69-0.5' samples.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Thursday, February 02, 2017 5:20 PM  
**To:** Ranjit Clarke  
**Subject:** RE: Enthalpy Analytical Final Report #386689

Ranjit,  
For the Grant site, please run sample S69-2.5' for arsenic. Please use a 3-day turnaround time.  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Thursday, February 2, 2017 3:07 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); Danny Baysa <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Enthalpy Analytical Final Report #386689

Hi Skye Green,

Attached is your final report #386689.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## Enthalpy Analytical, Inc.

### Formerly Associated Labs

806 N. Batavia - Orange, CA 92868  
Tel: (714)771-6900 Fax: (714)538-1209  
www.associatedlabs.com  
info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 387645  
Report Date: 02/22/2017  
Date Received: 02/13/2017  
Client ID: 15581

Comments: Grant HS  
PO# 27016  
13000 Oxnard St., Los Angeles, CA 91335

### Supplemental Report 1

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAP are indicated on the report. This cover letter is an integral part of the final report.

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<u>Sample #</u>	<u>Client Sample ID</u>
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387645-001	S71-0.5'
387645-002	S71-1.5'
387645-003	S71-2.5'
387645-004	S71-5.0'
387645-005	S72-0.5'
387645-006	S72-0.5D
387645-007	S72-1.5'
387645-008	S72-2.5'
387645-009	S73-0.5'
387645-010	S73-1.5'
387645-011	S73-2.5'
387645-012	S74-0.5'
387645-013	S74-1.5'
387645-014	S74-2.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:20	<b>Site:</b>	
<b>Sample #:</b> <u>387645-001</u>	<b>Client Sample #:</b> S71-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175354	
<b>Lead</b>	<b>21.6</b>	1	0.32	0.5	mg/Kg	02/13/17	02/14/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175352	
<b>Arsenic</b>	<b>6.38</b>	10	0.2	3	mg/Kg	02/13/17	02/14/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:25	<b>Site:</b>	
<b>Sample #:</b> <u>387645-002</u>	<b>Client Sample #:</b> S71-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:30	<b>Site:</b>	
<b>Sample #:</b> <u>387645-003</u>	<b>Client Sample #:</b> S71-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>387645-004</u>	<b>Client Sample #:</b> S71-5.0'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>387645-005</u>	<b>Client Sample #:</b> S72-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175354	
<b>Lead</b>	<b>10.6</b>	1	0.32	0.5	mg/Kg	02/13/17	02/14/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>387645-006</u>	<b>Client Sample #:</b> S72-0.5D	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175354	
<b>Lead</b>	<b>32.6</b>	1	0.32	0.5	mg/Kg	02/13/17	02/14/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:55	<b>Site:</b>	
<b>Sample #:</b> <u>387645-007</u>	<b>Client Sample #:</b> S72-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
<b>N/A</b>	<b>N/A</b>	1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 11:00	<b>Site:</b>	
<b>Sample #:</b> <u>387645-008</u>	<b>Client Sample #:</b> S72-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:40	<b>Site:</b>	
<b>Sample #:</b> <u>387645-009</u>	<b>Client Sample #:</b> S73-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 1311/3010A						QCBatchID: QC1175629	
<b>Lead</b>	<b>0.314</b>	1	0.004	0.05	mg/L	02/22/17	02/22/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175354	
<b>Lead</b>	<b>110</b>	1	0.32	0.5	mg/Kg	02/13/17	02/14/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1175628	
<b>Lead</b>	<b>4.15</b>	10	0.12	0.15	mg/L	02/22/17	02/22/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:45	<b>Site:</b>	
<b>Sample #:</b> <u>387645-010</u>	<b>Client Sample #:</b> S73-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175564	
<b>Lead</b>	<b>16.0</b>	1	0.32	0.5	mg/Kg	02/20/17	02/20/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>387645-011</u>	<b>Client Sample #:</b> S73-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:25	<b>Site:</b>	
<b>Sample #:</b> <u>387645-012</u>	<b>Client Sample #:</b> S74-0.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1175354	
<b>Lead</b>	<b>43.1</b>	1	0.32	0.5	mg/Kg	02/13/17	02/14/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:30	<b>Site:</b>	
<b>Sample #:</b> <u>387645-013</u>	<b>Client Sample #:</b> S74-1.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 02/11/2017 10:35	<b>Site:</b>	
<b>Sample #:</b> <u>387645-014</u>	<b>Client Sample #:</b> S74-2.5'	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:						QCBatchID:	
N/A	N/A	1						

QCBatchID: <b>QC1175352</b>	Analyst: dswafford	Method: EPA 6020
Matrix: Solid	Analyzed: 02/14/2017	Instrument: AAICP (group)

Blank Summary						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1175352MB1</b>						
Arsenic	0.034 J	mg/Kg	0.02	0.3		
Thallium	0.024 J	mg/Kg	0.02	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1175352LCS1											
Arsenic	50		59.7		mg/Kg	119			80-120		
Thallium	50		50.2		mg/Kg	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1175352MS1, QC1175352MSD1											Source: 387627-008	
Arsenic	8.16	50	50	57.4	62.7	mg/Kg	98	109	8.8	75-125	20	
Thallium	ND	50	50	42.3	46.5	mg/Kg	84	93	9.5	75-125	20	

QCBatchID: **QC1175354**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 02/14/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1175354MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
<b>Calcium</b>	<b>7.72 J</b>	mg/Kg	0.94	50	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
<b>Iron</b>	<b>1.16 J</b>	mg/Kg	0.4	5	
Lead	ND	mg/Kg	0.32	0.5	
<b>Molybdenum</b>	<b>0.28 J</b>	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
<b>Potassium</b>	<b>3.58 J</b>	mg/Kg	3.07	50	
<b>Selenium</b>	<b>4.50</b>	mg/Kg	0.72	1	B
Silver	ND	mg/Kg	0.13	0.5	
<b>Sodium</b>	<b>4.94 J</b>	mg/Kg	3.07	50	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1175354LCS1											
Antimony	100		103		mg/Kg	103			80-120		
Arsenic	100		94.9		mg/Kg	95			80-120		
Barium	100		97.0		mg/Kg	97			80-120		
Beryllium	100		89.7		mg/Kg	90			80-120		
Cadmium	100		97.1		mg/Kg	97			80-120		
Chromium	100		94.0		mg/Kg	94			80-120		
Cobalt	100		96.7		mg/Kg	97			80-120		
Copper	100		99.2		mg/Kg	99			80-120		
Lead	100		96.3		mg/Kg	96			80-120		
Molybdenum	100		96.3		mg/Kg	96			80-120		
Nickel	100		98.6		mg/Kg	99			80-120		
Selenium	100		91.1		mg/Kg	91			80-120		
Silver	100		90.3		mg/Kg	90			80-120		
Thallium	100		102		mg/Kg	102			80-120		
Vanadium	100		99.6		mg/Kg	100			80-120		
Zinc	100		92.4		mg/Kg	92			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1175354MS1, QC1175354MSD1												Source: 387627-001
Antimony	ND	100	100	45.5	44.4	mg/Kg	46	44	2.4	75-125	20	M
Arsenic	2.99	100	100	109	97.8	mg/Kg	106	95	10.8	75-125	20	
Barium	94.3	100	100	211	191	mg/Kg	117	97	10.0	75-125	20	
Beryllium	ND	100	100	92.1	88.3	mg/Kg	92	88	4.2	75-125	20	
Cadmium	0.27	100	100	105	94.8	mg/Kg	105	95	10.2	75-125	20	

QCBatchID: **QC1175354**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 02/14/2017

Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1175354MS1, QC1175354MSD1											Source: 387627-001	
Chromium	11.8	100	100	116	104	mg/Kg	104	92	10.9	75-125	20	M
Cobalt	8.03	100	100	110	99.4	mg/Kg	102	91	10.1	75-125	20	
Copper	12.6	100	100	118	107	mg/Kg	105	94	9.8	75-125	20	
Lead	12.8	100	100	112	100	mg/Kg	99	87	11.3	75-125	20	
Molybdenum	0.32	100	100	99.0	88.3	mg/Kg	99	88	11.4	75-125	20	
Nickel	7.77	100	100	110	99.2	mg/Kg	102	91	10.3	75-125	20	
Selenium	ND	100	100	53.9	51.6	mg/Kg	54	52	4.4	75-125	20	
Silver	ND	100	100	95.6	85.4	mg/Kg	96	85	11.3	75-125	20	
Thallium	ND	100	100	99.5	87.8	mg/Kg	100	88	12.5	75-125	20	
Vanadium	31.3	100	100	140	126	mg/Kg	109	95	10.5	75-125	20	
Zinc	53.6	100	100	166	150	mg/Kg	112	96	10.1	75-125	20	

<b>QCBatchID:</b> <u>QC1175564</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/20/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1175564MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1175564LCS1											
Lead	200		168		mg/Kg	84			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1175564MS1, QC1175564MSD1											Source: 387645-010	
Lead	16.0	50	50	56.0	58.3	mg/Kg	80	85	4.0	75-125	20	

<b>QCBatchID:</b> <u>QC1175628</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/22/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1175628MB1</b>						
Lead	ND	mg/L	0.012	0.015		

Matrix Spike/Matrix Spike Duplicate Summary													
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes	
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD		
QC1175628MS1, QC1175628MSD1											Source: 387645-009		
Lead	4.15	10	10	11.6	12.4	mg/L	75	83	6.7	75-125	20	M	

<b>QCBatchID:</b> <u>QC1175629</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 02/22/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1175629MB1</b>						
Lead	ND	mg/L	0.004	0.05		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1175629LCS1											
Lead	2		1.748		mg/L	87			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1175629MS1, QC1175629MSD1												Source: 387645-009
Lead	0.314	1	1	1.188	1.247	mg/L	87	93	4.8	75-125	20	

# Data Qualifiers and Definitions

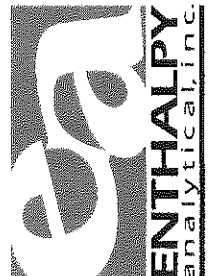
## Qualifiers

<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds



<b>ENTHALPHY ANALYTICAL, INC.</b>				<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>			
806 N. Batavia St., Orange, CA 92868				Lab No: <b>387645</b>		Standard:			
Phone: (714) 771-6900 Fax: (714) 771-9933				Page: 1 of 2		4 Day: 3 Day: X			
Billing: Enthalpy - SoCal						1 Day: Same Day:			
c/o Montrose Environmental Group									
1 Park Plaza, Suite 1000, Irvine, CA 92614									
						Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			


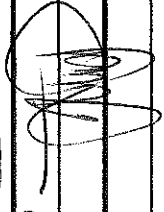
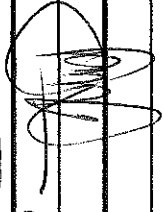
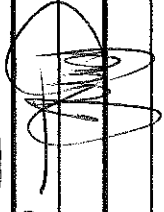
  





CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group	Name:	Grant HS												
Report To:	Skye Green	Number:													
Email:	sgreen@cesgroup.co	P.O. #:	27016												
Address:	3353 Temecula Pkwy, Ste 104 #333	Address:	13000 Oxnard St.												
	Temecula, CA 92592		Los Angeles, CA 91335												
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	D. Baysa												

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 S71-0.5'	02/11/17	10:20 AM	S	1/8oz	
2 S71-1.5'	02/11/17	10:25 AM	S	1/8oz	
3 S71-2.5'	02/11/17	10:30 AM	S	1/8oz	
4 S71-5.0'	02/11/17	10:50 AM	S	1/8oz	
5 S72-0.5'	02/11/17	10:50 AM	S	1/8oz	
6 S72-0.5D	02/11/17	10:50 AM	S	1/8oz	
7 S72-1.5'	02/11/17	10:55 AM	S	1/8oz	
8 S72-2.5'	02/11/17	11:00 AM	S	1/8oz	
9			S	1/8oz	
10					

Signature	Print Name	Company / Title	Date / Time
	Danny Baysa	CES Group / Field Supervisor	2/13/17 1200
	L. Marroletti		2/13/17 1316
	L. Marroletti		2/13/17 1439
	Zaid Padilla	EA	2/13/17 1440

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)									
806 N. Batavia St., Orange, CA 92868		Lab No: 387645		Standard:		4 Day: 3 Day: X							
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: 2 of 2		2 Day:		1 Day: Same Day:							
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>									
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other									
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water											
SW = Swab W = Water WP = Wipe O = Other													
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request				Test Instructions / Comments					
Company:	CES Group	Name:	Grant HS										
Report To:	Skye Green	Number:											
Email:	sgreen@cesgroup.co	P.O. #:	27016										
Address:	33553 Temecula Pkwy, Ste 104 #333	Address:	13000 Oxnard St.										
	Temecula, CA 92592		Los Angeles, CA 91335										
Phone:	714-398-6363	Global ID:											
Fax:	951-848-9812	Sampled By:	D. Baysa										
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6010B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)	HOLD
1 S70-0.5'	02/11/17	10:40 AM	S	1/8oz		x							
2 S70-1.5'	02/11/17	10:45 AM	S	1/8oz									x
3 S70-2.5'	02/11/17	10:50 AM	S	1/8oz									x
4 S70-0.5'	02/11/17	10:25 AM	S	1/8oz		x							
5 S70-1.5'	02/11/17	10:30 AM	S	1/8oz									x
6 S70-2.5'	02/11/17	10:35 AM	S	1/8oz									x
7													
8													
9													
10													
Signature		Print Name		Company / Title				Date / Time					
1 Relinquished By:		Danny Baysa		CES Group/ Field Supervisor				2/13/17 1200					
1 Received By:		L. Marroletti						2/13/17 1316					
2 Relinquished By:		L. Marroletti						2/13/17 1439					
2 Received By:		RAP PADILUA		EA				2/13/17 1440					
3 Relinquished By:													
3 Received By:													



## SAMPLE ACCEPTANCE CHECKLIST

**Section 1**  
Client: CES GROUP Project: GRANT HS  
Date Received: 2/13/17 Sampler's Name Present: ☒ Yes No  
Sample(s) received in a cooler? ☒ Yes How many? 2 No (skip section 2) Sample Temp (°C): \_\_\_\_\_  
Sample Temp (°C) from each cooler: #1: 4.7°C #2: 13.4°C #3: \_\_\_\_\_ #4: \_\_\_\_\_  
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)  
Shipping Information: \_\_\_\_\_

**Section 2**  
Was the cooler packed with: ☒ Ice \_\_\_\_\_ Ice Packs \_\_\_\_\_ Bubble Wrap \_\_\_\_\_ Styrofoam \_\_\_\_\_  
Cooler Temp (°C): #1: 0.7°C #2: 3.4°C #3: \_\_\_\_\_ #4: \_\_\_\_\_  
Paper \_\_\_\_\_ None \_\_\_\_\_ Other \_\_\_\_\_

Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Are sample IDs present?	<input checked="" type="checkbox"/>		
Are sampling dates & times present?	<input checked="" type="checkbox"/>		
Is a relinquished signature present?	<input checked="" type="checkbox"/>		
Are the tests required clearly indicated on the COC?	<input checked="" type="checkbox"/>		
Are custody seals present?		<input checked="" type="checkbox"/>	
If custody seals are present, were they intact?			<input checked="" type="checkbox"/>
Are all samples sealed in plastic bags? Recommended for Microbiology samples)	<input checked="" type="checkbox"/>		
Did all samples arrive intact? If no, indicate in Section 4 below.	<input checked="" type="checkbox"/>		
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the samples collected in the correct containers for the required tests?	<input checked="" type="checkbox"/>		
Are the containers labeled with the correct preservatives?			<input checked="" type="checkbox"/>
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			<input checked="" type="checkbox"/>
Was a sufficient amount of sample submitted for the requested tests?	<input checked="" type="checkbox"/>		

**Section 4**  
Explanations/Comments: SAMPLE ID'S ON THE SECOND C.O.C. DID NOT COINCIDE WITH THE SAMPLE LABELS.

**Section 5**  
For discrepancies, how was the Project Manager notified? ☒ Verbal ☐ Email PM Initials: R.C. Date/Time 2/13/17  
(email sent to/on): \_\_\_\_\_ / \_\_\_\_\_  
Project Manager's response: FOLLOW ID'S PROVIDED ON SAMPLE LABELS.

Completed By: [Signature] Date: 2/13/17

## Ranjit Clarke

---

**From:** Danny Baysa <dbaysa@cesgroup.co>  
**Sent:** Tuesday, February 14, 2017 7:12 AM  
**To:** Ranjit Clarke; sgreen@cesgroup.co  
**Subject:** RE: Sample IDs - Grant HS

Sorry. Yes, should be S73 and S74.  
Thank you

**Danny Baysa**  
CES - Novacom - ERG  
310.614.8191 Cell

---

**From:** Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]  
**Sent:** Monday, February 13, 2017 6:18 PM  
**To:** 'Danny Baysa'; sgreen@cesgroup.co  
**Subject:** Sample IDs - Grant HS  
**Importance:** High

Skye/Danny,

The sample IDs on the 2<sup>nd</sup> page all have the "S70" prefix. However, the samples we received have "S73" and "S74" prefixes. Please confirm that the sample container labels are correct.

Thanks,

Ranjit

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.



**Ranjit Clarke**  
Senior Project Manager  
Enthalpy Analytical  
931 W. Barkley Ave., Orange, CA 92868  
O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209  
[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)

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## Ranjit Clarke

---

**From:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Sent:** Friday, February 17, 2017 10:44 AM  
**To:** Ranjit Clarke  
**Subject:** RE: Enthalpy Analytical Final Report #387645

Ranjit,  
For the Grant site, please run S73-1.5' for lead and run S73-0.5' for STLC and TCLP using 3-day TAT.  
Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [<mailto:Ranjit.Clarke@enthalpy.com>]  
**Sent:** Thursday, February 16, 2017 6:29 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co); 'Danny Baysa' <[dbaysa@cesgroup.co](mailto:dbaysa@cesgroup.co)>  
**Subject:** Enthalpy Analytical Final Report #387645

Hi Skye Green,

Attached is your final report #387645.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## EXCAVATION RESULTS



## Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868  
Tel: (714)771-6900 Fax: (714)538-1209  
www.enthalpy.com  
info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 392665  
Report Date: 07/26/2017  
Date Received: 07/15/2017  
Client ID: 15581

Comments: Grant HS - See attached report for EPA 6020 results.

Supplemental Report 1 - All results through the 07/19/17 change order.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

---

<b><u>Sample #</u></b>	<b><u>Client Sample ID</u></b>
------------------------	--------------------------------

392665-001	S68 Exc Bottom
392665-002	S68 Exc North Wall
392665-003	S68 Exc East Wall
392665-004	S68 Exc South Wall
392665-005	S68 Exc West Wall
392665-006	S69 Exc South Wall
392665-007	S69 Exc Bottom
392665-008	S9 Exc Bottom
392665-009	S9 Exc North Wall
392665-010	S8 Exc East Wall
392665-011	S8 Exc Bottom
392665-012	S73 Exc Bottom
392665-013	S73 Exc West Wall
392665-014	S67 Exc Bottom
392665-015	S67 Exc South Wall

---

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/13/2017 14:00	<b>Site:</b>	
<b>Sample #:</b> <u>392665-001</u>	<b>Client Sample #:</b> S68 Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>39.4</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/13/2017 14:02	<b>Site:</b>	
<b>Sample #:</b> <u>392665-002</u>	<b>Client Sample #:</b> S68 Exc North Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>162</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/13/2017 14:04	<b>Site:</b>	
<b>Sample #:</b> <u>392665-003</u>	<b>Client Sample #:</b> S68 Exc East Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>198</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/13/2017 14:06	<b>Site:</b>	
<b>Sample #:</b> <u>392665-004</u>	<b>Client Sample #:</b> S68 Exc South Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>152</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/13/2017 14:08	<b>Site:</b>	
<b>Sample #:</b> <u>392665-005</u>	<b>Client Sample #:</b> S68 Exc West Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 1311/3010A						QCBatchID: QC1180947	
<b>Lead</b>	<b>0.212</b>	1	0.004	0.05	mg/L	07/26/17	07/26/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>274</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN
Method: EPA 6010B <i>NELAC</i>	Prep Method: STLC						QCBatchID: QC1180882	
<b>Lead</b>	<b>24.5</b>	10	0.12	0.15	mg/L	07/24/17	07/24/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 13:45	<b>Site:</b>	
<b>Sample #:</b> <u>392665-006</u>	<b>Client Sample #:</b> S69 Exc South Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>16.6</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: See Attached						QCBatchID:	
See Attached		1						



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 13:47	<b>Site:</b>	
<b>Sample #:</b> <u>392665-007</u>	<b>Client Sample #:</b> S69 Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>22.4</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: See Attached						QCBatchID:	
See Attached		1						

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 13:49	<b>Site:</b>	
<b>Sample #:</b> <u>392665-008</u>	<b>Client Sample #:</b> S9 Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>49.2</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 13:50	<b>Site:</b>	
<b>Sample #:</b> <u>392665-009</u>	<b>Client Sample #:</b> S9 Exc North Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>6.88</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 14:00	<b>Site:</b>	
<b>Sample #:</b> <u>392665-010</u>	<b>Client Sample #:</b> S8 Exc East Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>21.2</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 14:02	<b>Site:</b>	
<b>Sample #:</b> <u>392665-011</u>	<b>Client Sample #:</b> S8 Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>149</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 14:05	<b>Site:</b>	
<b>Sample #:</b> <u>392665-012</u>	<b>Client Sample #:</b> S73 Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>29.6</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 14:13	<b>Site:</b>	
<b>Sample #:</b> <u>392665-013</u>	<b>Client Sample #:</b> S73 Exc West Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>30.3</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 14:17	<b>Site:</b>	
<b>Sample #:</b> <u>392665-014</u>	<b>Client Sample #:</b> S67 Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>117</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/14/2017 14:20	<b>Site:</b>	
<b>Sample #:</b> <u>392665-015</u>	<b>Client Sample #:</b> S67 Exc South Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180594	
<b>Lead</b>	<b>144</b>	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

<b>QCBatchID:</b> <u>QC1180594</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 07/17/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1180594MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1180594LCS1											
Lead	100		91.9		mg/Kg	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1180594MS1, QC1180594MSD1											Source: 392665-001	
Lead	39.4	100	100	123	120	mg/Kg	84	81	2.5	75-125	20	

<b>QCBatchID:</b> <u>QC1180882</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 07/24/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1180882MB1</b>						
Chromium	ND	mg/L	0.006	0.03		
Lead	ND	mg/L	0.012	0.015		
Nickel	ND	mg/L	0.003	0.06		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1180882MS1, QC1180882MSD1											Source: 392665-005	
Chromium	0.139	10	10	10.5	9.54	mg/L	104	94	9.6	75-125	20	
Lead	24.5	10	10	36.3	32.8	mg/L	118	83	10.1	75-125	20	
Nickel	0.160	10	10	10.2	9.30	mg/L	100	91	9.2	75-125	20	

QCBatchID: **QC1180947**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 07/26/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1180947MB1</b>					
Arsenic	ND	mg/L	0.004	0.05	
<b>Barium</b>	<b>0.16 J</b>	mg/L	0.001	0.5	
Cadmium	ND	mg/L	0.001	0.05	
Chromium	ND	mg/L	0.002	0.05	
Lead	ND	mg/L	0.004	0.05	
Selenium	ND	mg/L	0.004	0.05	
Silver	ND	mg/L	0.001	0.05	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1180947LCS1											
Arsenic	2		2.18		mg/L	109			80-120		
Barium	2		2.21		mg/L	111			80-120		
Cadmium	2		1.981		mg/L	99			80-120		
Chromium	2		1.844		mg/L	92			80-120		
Lead	2		1.921		mg/L	96			80-120		
Selenium	2		2.22		mg/L	111			80-120		
Silver	2		2.01		mg/L	101			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1180947MS1, QC1180947MSD1											Source: 392805-001	
Arsenic	ND	1	1	1.106	1.074	mg/L	111	107	2.9	75-125	20	
Barium	0.22	1	1	1.21	1.20	mg/L	99	98	0.8	75-125	20	
Cadmium	0.002	1	1	0.953	0.943	mg/L	95	94	1.1	75-125	20	
Chromium	0.010	1	1	0.942	0.926	mg/L	93	92	1.7	75-125	20	
Lead	0.020	1	1	0.970	0.930	mg/L	95	91	4.2	75-125	20	
Selenium	ND	1	1	1.130	1.063	mg/L	113	106	6.1	75-125	20	
Silver	ND	1	1	1.008	0.988	mg/L	101	99	2.0	75-125	20	


# Data Qualifiers and Definitions



## Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)								
806 N. Batavia St., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933		Lab No: <b>392665</b>		Standard:		4 Day:	3 Day:					
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		Page: <b>1</b> of <b>2</b>		2 Day:		1 Day:	Same Day:					
		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other								
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request		Test Instructions / Comments				
Company:	CES Group	Name:	Grant HS									
Report To:	Skye Green	Number:										
Email:	sgreen@cesgroup.co	P.O. #:	27016									
Address:	3353 Temecula Pkwy, Ste 104 #333 Temecula, CA 92592	Address:	13000 Oxnard St. Los Angeles, CA 91335									
Phone:	714-398-6363	Global ID:										
Fax:	951-848-9812	Sampled By:	D. Baysa									
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (601B)	Arsenic (6020)	Organochlorine Pesticides (8081B)	Pet Hydrocarbon as gas, diesel, oil 8015cc	VOCs (8260B)	PCBs (8081A)	Title 22 Metals (6010B/7471A)
1 S68 Exc Bottom	07/13/17	14:00 PM	S	1/8oz		X						
2 S68 Exc North Wall	07/13/17	14:02 PM	S	1/8oz		X						
3 S68 Exc East Wall	07/13/17	14:04 PM	S	1/8oz		X						
4 S68 Exc South Wall	07/13/17	14:06 PM	S	1/8oz		X						
5 S68 Exc West Wall	07/13/17	14:08 PM	S	1/8oz		X						
6												
7												
8												
9												
10												
Signature		Print Name		Company / Title		Date / Time						
1 Relinquished By: <i>[Signature]</i>		Danny Baysa		CES Group/ Field Supervisor		7/15/17 0940						
1 Received By: <i>[Signature]</i>		Leatherman		EA		07/15/17 940						
2 Relinquished By:												
2 Received By:												
3 Relinquished By:												
3 Received By:												

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)				
806 N. Batavia St., Orange, CA 92868		Lab No: <u>392665</u>		Standard:		4 Day:	3 Day:	
Phone: (714) 771-6900 Fax: (714) 771-9933		Page: <u>2</u> of <u>2</u>		2 Day:		1 Day:	Same Day:	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other				
CUSTOMER INFORMATION			PROJECT INFORMATION			Analysis Request		Test Instructions / Comments
Company:	CES Group	Name:	Grant HS					
Report To:	Skye Green	Number:						
Email:	sgreen@cesgroup.co	P.O. #:	27016					
Address:	33353 Temecula Pkwy, Ste 104 #333	Address:	13000 Oxnard St.					
	Temecula, CA 92592		Los Angeles, CA 91335					
Phone:	714-398-6363	Global ID:						
Fax:	951-848-9812	Sampled By:	D. Baysa					
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.			
1 S69 Exc South Wall	07/14/17	13:45 PM	S	1/8oz		X	Lead (6010B)	
2 S69 Exc Bottom	07/14/17	13:47 PM	S	1/8oz		X	Arsenic (6020)	
3 S9 Exc Bottom	07/14/17	13:49 PM	S	1/8oz		X	Organochlorine Pesticides (8081B)	
4 S9 Exc North Wall	07/14/17	13:50 PM	S	1/8oz		X	Pet Hydrocarbon as gas, diesel, oil 8015cc	
5 S8 Exc East Wall	07/14/17	14:00 PM	S	1/8oz		X	VOCs (8260B)	
6 S8 Exc Bottom	07/14/17	14:02 PM	S	1/8oz		X	PCBs (8081A)	
7 S73 Exc Bottom	07/14/17	14:05 PM	S	1/8oz		X	Title 22 Metals (6010B/7471A)	
8 S73 Exc West Wall	07/14/17	14:13 PM	S	1/8oz		X		
9 S67 Exc Bottom	07/14/17	14:17 PM	S	1/8oz		X		
10 S67 Exc South Wall	07/14/17	14:20 PM	S	1/8oz		X		
Signature		Print Name		Company / Title		Date / Time		
		Danny Baysa		CES Group/ Field Supervisor		7/15/17 0940		
		Daniel German		EA		07/15/17 0940		
1 Relinquished By:								
1 Received By:								
2 Relinquished By:								
2 Received By:								
3 Relinquished By:								
3 Received By:								





## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES Group

Project: Grant HS/LAUSD

Date Received: 07/15/17

Sampler's Name Present ☒ Yes ☐ No

Sample(s) received in a cooler? ☒ Yes How many? 1 ☐ No (skip section 2) Sample Temp (°C): 6.3

Sample Temp (°C) from each cooler: #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)

Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: 0.8 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Are sample IDs present?	<input checked="" type="checkbox"/>		
Are sampling dates & times present?	<input checked="" type="checkbox"/>		
Is a relinquished signature present?	<input checked="" type="checkbox"/>		
Are the tests required clearly indicated on the COC?	<input checked="" type="checkbox"/>		
Are custody seals present?		<input checked="" type="checkbox"/>	
If custody seals are present, were they intact?			<input checked="" type="checkbox"/>
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			<input checked="" type="checkbox"/>
Did all samples arrive intact? If no, indicate in Section 4 below.	<input checked="" type="checkbox"/>		
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>		
Were the samples collected in the correct containers for the required tests?	<input checked="" type="checkbox"/>		
Are the containers labeled with the correct preservatives?			<input checked="" type="checkbox"/>
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			<input checked="" type="checkbox"/>
Was a sufficient amount of sample submitted for the requested tests?	<input checked="" type="checkbox"/>		

### Section 4 Explanations/Comments

### Section 5

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: \_\_\_\_\_ Date/Time: \_\_\_\_\_

☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response: \_\_\_\_\_

Completed By: [Signature]

Date: 07/15/17

## Ranjit Clarke

---

**From:** Skye Green  
**Sent:** Wednesday, July 19, 2017 11:49 AM  
**To:** 'Ranjit Clarke'  
**Subject:** RE: Grant HS (07/13/17 - 07/14/17) - Enthalpy Analytical Final Report #392665

We are ok with normal TAT because we have some more samples to collect and send you.

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



**From:** Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]  
**Sent:** Wednesday, July 19, 2017 11:20 AM  
**To:** Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)>  
**Subject:** Re: Grant HS (07/13/17 - 07/14/17) - Enthalpy Analytical Final Report #392665

Will do. Rush TAT (results on Monday)?

On Wed, Jul 19, 2017 at 11:18 AM Skye Green <[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)> wrote:

Ranjit,

Please run the STLC and TCLP analysis on the highest result (S68 Exc West Wall).

Thanks,

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax



Calscience

**WORK ORDER NUMBER: 17-07-0959***The difference is service*

AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For****Client:** Enthalpy Analytical, Inc.**Client Project Name:** 392665**Attention:** Ranjit Clarke  
931 W. Barkley Avenue  
Orange, CA 92868-1208

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Approved for release on 07/18/2017 by:  
Xuan Dang  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC 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.

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Work Order Number: 17-07-0959

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**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/17/17. They were assigned to Work Order 17-07-0959.

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.



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**Sample Summary**

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Client: Enthalpy Analytical, Inc.	Work Order:	17-07-0959
931 W. Barkley Avenue	Project Name:	392665
Orange, CA 92868-1208	PO Number:	392665
	Date/Time Received:	07/17/17 15:31
	Number of Containers:	2

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Attn: Ranjit Clarke

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Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
S69 Exc South Wall (392665-006)	17-07-0959-1	07/14/17 13:45	1	Solid
S69 Exc Bottom (392665-007)	17-07-0959-2	07/14/17 13:47	1	Solid

  
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**Detections Summary**

Client: Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Work Order: 17-07-0959  
Project Name: 392665  
Received: 07/17/17

Attn: Ranjit Clarke

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**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>
S69 Exc South Wall (392665-006) (17-07-0959-1)						
Arsenic	17.5		1.00	mg/kg	EPA 6020	EPA 3050B
S69 Exc Bottom (392665-007) (17-07-0959-2)						
Arsenic	17.9		1.00	mg/kg	EPA 6020	EPA 3050B

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

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\* MDL is shown



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## Analytical Report

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/17/17  
Work Order: 17-07-0959  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 392665

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>S69 Exc South Wall (392665-006)</b>	<b>17-07-0959-1-A</b>	<b>07/14/17 13:45</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/17/17</b>	<b>07/18/17 13:17</b>	<b>170717L01</b>

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	17.5	1.00	0.389	1.00	

<b>S69 Exc Bottom (392665-007)</b>	<b>17-07-0959-2-A</b>	<b>07/14/17 13:47</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/17/17</b>	<b>07/18/17 13:20</b>	<b>170717L01</b>
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Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	17.9	1.00	0.389	1.00	

<b>Method Blank</b>	<b>099-15-621-1499</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/17/17</b>	<b>07/17/17 17:06</b>	<b>170717L01</b>
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Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	1.00	0.389	1.00	

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





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## Quality Control - Spike/Spike Duplicate

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/17/17  
Work Order: 17-07-0959  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 392665

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
17-07-0174-5	Sample	Sediment	ICP/MS 03	07/17/17	07/17/17 17:57	170717S01A				
17-07-0174-5	Matrix Spike	Sediment	ICP/MS 03	07/17/17	07/17/17 17:50	170717S01A				
17-07-0174-5	Matrix Spike Duplicate	Sediment	ICP/MS 03	07/17/17	07/17/17 17:52	170717S01A				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	2.599	25.00	28.87	105	28.83	105	80-120	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



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## Quality Control - PDS

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/17/17  
Work Order: 17-07-0959  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 392665

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
17-07-0174-5	Sample	Sediment	ICP/MS 03	07/17/17 00:00	07/17/17 17:57	170717S01A
17-07-0174-5	PDS	Sediment	ICP/MS 03	07/17/17 00:00	07/17/17 17:55	170717S01A
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	2.599	25.00	28.12	102	75-125	

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RPD: Relative Percent Difference. CL: Control Limits



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## Quality Control - LCS

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/17/17  
Work Order: 17-07-0959  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 392665

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1499</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/17/17</b>	<b>07/17/17 17:09</b>	<b>170717L01</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	23.67	95	80-120	

  
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## Glossary of Terms and Qualifiers

Work Order: 17-07-0959

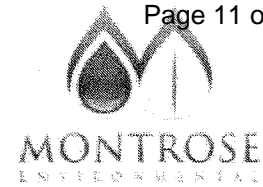
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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data 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.



**Enthalpy Analytical**  
**Formerly Associated Labs**  
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fm



**Subcontract Laboratory:**

Eurofins CalScience - Sub  
7440 Lincoln Way  
Garden Grove, CA 92841

ATTN: Xuan Dang  
PO# 392665

**Project:** 392665 **Due:** 07/18/17

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com

CC: incomingreports@enthalpy.com

Require: ☒ EDD ☐ EDF ☐ EDT

Report To: ☒ MDL

**17-07-0959**

**Note:**

Matrix	Sampled	Sample ID	Analysis	Comment
Solid	07/14/17 13:45	S69 Exc South Wall (392665-006)	6020 Out	As only
Solid	07/14/17 13:47	S69 Exc Bottom (392665-007)	6020 Out	As only

**Note:**

Arsenic only

24hr TAT

**Relinquished By:**

Date/Time

Date/Time

**Received By:**

Date/Time

Date/Time

# SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy

DATE: 07/17/2017

**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 5.5 °C (w/ CF): 5.7 °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: 300
**CUSTODY SEAL:**

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 300

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 300
**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

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 ☐ 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> ☐ 250AGB ☐ 250CGB ☐ 250CGB<sub>s</sub> ☐ 250PB ☐ 250PB<sub>n</sub> ☐ 500AGB ☐ 500AGJ ☐ 500AGJ<sub>s</sub>
☐ 500PB ☐ 1AGB ☐ 1AGB<sub>na2</sub> ☐ 1AGB<sub>s</sub> ☐ 1PB ☐ 1PB<sub>na</sub> ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

**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: 300

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: 836



## Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868

Tel: (714)771-6900 Fax: (714)538-1209

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Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 392847  
Report Date: 07/24/2017  
Date Received: 07/21/2017  
Client ID: 15581

Comments: Grant HS  
PO# 27016  
13000 Oxnard St., Los Angeles, CA 91335

See attached report for EPA 6020 results.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
392847-001	S73 EXC North Wall
392847-002	S69 EXC South Wall
392847-003	S69 EXC Bottom
392847-004	S67 EXC West Wall
392847-005	S67 EXC South Wall
392847-006	S68 EXC North Wall
392847-007	S68 EXC South Wall
392847-008	S68 EXC East Wall
392847-009	S68 EXC West Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 11:35	<b>Site:</b>	
<b>Sample #:</b> <u>392847-001</u>	<b>Client Sample #:</b> S73 EXC North Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>37.6</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 11:45	<b>Site:</b>	
<b>Sample #:</b> <u>392847-002</u>	<b>Client Sample #:</b> S69 EXC South Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>7.25</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: See Attached					QCBatchID:	
See Attached		1					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 11:55	<b>Site:</b>	
<b>Sample #:</b> <u>392847-003</u>	<b>Client Sample #:</b> S69 EXC Bottom	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>4.33</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN
Method: EPA 6020 <i>NELAC</i>	Prep Method: See Attached					QCBatchID:	
See Attached		1					

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 11:25	<b>Site:</b>	
<b>Sample #:</b> <u>392847-004</u>	<b>Client Sample #:</b> S67 EXC West Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>51.3</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 11:15	<b>Site:</b>	
<b>Sample #:</b> <u>392847-005</u>	<b>Client Sample #:</b> S67 EXC South Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>208</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 12:05	<b>Site:</b>	
<b>Sample #:</b> <u>392847-006</u>	<b>Client Sample #:</b> S68 EXC North Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>128</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 12:15	<b>Site:</b>	
<b>Sample #:</b> <u>392847-007</u>	<b>Client Sample #:</b> S68 EXC South Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>63.0</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN



<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 12:20	<b>Site:</b>	
<b>Sample #:</b> <u>392847-008</u>	<b>Client Sample #:</b> S68 EXC East Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>31.9</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/21/2017 12:25	<b>Site:</b>	
<b>Sample #:</b> <u>392847-009</u>	<b>Client Sample #:</b> S68 EXC West Wall	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1180841	
<b>Lead</b>	<b>186</b>	1	0.5	mg/Kg	07/24/17	07/24/17	JN

QCBatchID: **QC1180841**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 07/24/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	RDL	Notes
<b>QC1180841MB1</b>				
Antimony	ND	mg/Kg	3	
Arsenic	ND	mg/Kg	1	
Barium	ND	mg/Kg	1	
Beryllium	ND	mg/Kg	0.5	
Cadmium	ND	mg/Kg	0.5	
Chromium	ND	mg/Kg	1	
Cobalt	ND	mg/Kg	0.5	
Copper	ND	mg/Kg	1	
Lead	ND	mg/Kg	0.5	
Molybdenum	ND	mg/Kg	1	
Nickel	ND	mg/Kg	1.5	
Selenium	ND	mg/Kg	1	
Silver	ND	mg/Kg	0.5	
Thallium	ND	mg/Kg	1	
Vanadium	ND	mg/Kg	0.5	
Zinc	ND	mg/Kg	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1180841LCS1											
Antimony	100		97.6		mg/Kg	98			80-120		
Arsenic	100		94.5		mg/Kg	95			80-120		
Barium	100		90.5		mg/Kg	91			80-120		
Beryllium	100		93.9		mg/Kg	94			80-120		
Cadmium	100		94.9		mg/Kg	95			80-120		
Chromium	100		94.2		mg/Kg	94			80-120		
Cobalt	100		97.3		mg/Kg	97			80-120		
Copper	100		91.2		mg/Kg	91			80-120		
Lead	100		93.8		mg/Kg	94			80-120		
Molybdenum	100		96.9		mg/Kg	97			80-120		
Nickel	100		95.7		mg/Kg	96			80-120		
Selenium	100		92.2		mg/Kg	92			80-120		
Silver	100		87.5		mg/Kg	88			80-120		
Thallium	100		96.7		mg/Kg	97			80-120		
Vanadium	100		92.3		mg/Kg	92			80-120		
Zinc	100		95.7		mg/Kg	96			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1180841MS1, QC1180841MSD1											Source: 392756-051	
Antimony	ND	100	100	41.6	35.8	mg/Kg	42	36	15.0	75-125	20	M
Arsenic	3.26	100	100	117	102	mg/Kg	114	99	13.7	75-125	20	
Barium	191	100	100	316	318	mg/Kg	125	127	0.6	75-125	20	M
Beryllium	ND	100	100	104	101	mg/Kg	104	101	2.9	75-125	20	
Cadmium	0.35	100	100	116	103	mg/Kg	116	103	11.9	75-125	20	
Chromium	16.7	100	100	129	122	mg/Kg	112	105	5.6	75-125	20	
Cobalt	8.64	100	100	130	107	mg/Kg	121	98	19.4	75-125	20	
Copper	12.5	100	100	122	108	mg/Kg	110	96	12.2	75-125	20	
Lead	46.3	100	100	165	171	mg/Kg	119	125	3.6	75-125	20	

<b>QCBatchID:</b> <u>QC1180841</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 07/24/2017	<b>Instrument:</b> AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1180841MS1, QC1180841MSD1											Source: 392756-051	
Molybdenum	ND	100	100	106	94.5	mg/Kg	106	95	11.5	75-125	20	M
Nickel	11.6	100	100	121	108	mg/Kg	109	96	11.4	75-125	20	
Selenium	ND	100	100	71.2	57.7	mg/Kg	71	58	20.9	75-125	20	
Silver	0.54	100	100	103	92.7	mg/Kg	102	92	10.5	75-125	20	
Thallium	ND	100	100	101	89.3	mg/Kg	101	89	12.3	75-125	20	
Vanadium	25.1	100	100	132	120	mg/Kg	107	95	9.5	75-125	20	
Zinc	62.9	100	100	183	164	mg/Kg	120	101	11.0	75-125	20	

# Data Qualifiers and Definitions

## Qualifiers

<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>D3</b>	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>P3</b>	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds

<b>ENTHALPY ANALYTICAL, INC.</b>				<b>Chain of Custody Record</b>				<b>Turn Around Time (Rush by advanced notice only)</b>			
931 W. Barkley Ave, Orange, CA 92868				Lab No: <u>392847</u>				Standard:			
Phone: (714) 771-6900 Fax: (714) 771-9933				Page: _____ of _____				4 Day: _____ 3 Day: _____			
Billing: Enthalpy - SoCal				Matrix: A = Air DW = Drinking Water				2 Day: _____ 1 Day: _____ Same Day: <u>X</u>			
c/o Montrose Environmental Group				FL = Food Liquid FS = Food Solid L = Liquid				Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>			
1 Park Plaza, Suite 1000, Irvine, CA 92614				PP = Pure Product S = Solid SeaW = Sea Water				4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			
SW = Swab W = Water WP = Wipe O = Other											

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	<u>CES Group</u>			Name:											
Report To:	<u>SKYE GREEN</u>			Number:											
Email:	<u>Sgreen@cesgroup.co</u>			P.O. #:											
Address:	<u>33353 Temecula Pkwy</u>			Address:											
Phone:	<u>Site 104 #333 Temecula CA 92592</u>			Global ID:											
Fax:	<u>714-398-6363</u>			Sampled By:											
	<u>951-848-9812</u>														

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 573 EXC NORTH wall	07-21-17	11:35	S	1	/
2 569 EXC South wall	07-21-17	11:45	S	1	/
3 569 EXC Bottom	07-21-17	11:55	S	1	/
4 567 EXC West wall	07-21-17	11:25	S	1	/
5 567 EXC South wall	07-21-17	11:15	S	1	/
6 568 EXC North wall	07-21-17	12:05	S	1	/
7 568 EXC South wall	07-21-17	12:15	S	1	/
8 568 EXC EAST wall	07-21-17	12:20	S	1	/
9 568 EXC West Wall	07-21-17	12:25	S	1	/
10					

Signature		Print Name		Company / Title		Date / Time	
<u>[Signature]</u>						07-21-17 14:01	
<u>[Signature]</u>						07/21/17 1601	
1 Relinquished By:							
1 Received By:							
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							



## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES Group

Project: \_\_\_\_\_

Date Received: 07/21/17

Sampler's Name Present ☐ Yes ☒ No

Sample(s) received in a cooler? ☐ Yes How many? ☒ No (skip section 2) Sample Temp (°C): 22.2

Sample Temp (°C) from each cooler: #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology sample 0 to 10°C or, for samples collected the same day as sample receipt, arrival on ice)

Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: \_\_\_\_\_ Ice \_\_\_\_\_ Ice Packs \_\_\_\_\_ Bubble Wrap \_\_\_\_\_ Styrofoam  
\_\_\_\_\_ Paper \_\_\_\_\_ None \_\_\_\_\_ Other \_\_\_\_\_

Cooler Temp (°C): #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

### Section 4 Explanations/Comments

### Section 5

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: \_\_\_\_\_ Date/Time \_\_\_\_\_  
☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response: \_\_\_\_\_

Completed By: Cayla Date: 7/21/17



**WORK ORDER NUMBER: 17-07-1438**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For**

**Client:** Enthalpy Analytical, Inc.

**Client Project Name:** 392847

**Attention:** Ranjit Clarke  
931 W. Barkley Avenue  
Orange, CA 92868-1208

*Sheila Luu for*

Approved for release on 07/24/2017 by:  
Xuan Dang  
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC 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: 392847  
Work Order Number: 17-07-1438

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**Work Order Narrative**

Work Order: 17-07-1438

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**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/21/17. They were assigned to Work Order 17-07-1438.

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.



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## Sample Summary

---

Client: Enthalpy Analytical, Inc.	Work Order:	17-07-1438
931 W. Barkley Avenue	Project Name:	392847
Orange, CA 92868-1208	PO Number:	392847
	Date/Time Received:	07/21/17 17:25
	Number of Containers:	2

---

Attn: Ranjit Clarke

---

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
S69 EXC South Wall (392847-002)	17-07-1438-1	07/21/17 11:45	1	Solid
S69 EXC Bottom (392847-003)	17-07-1438-2	07/21/17 11:55	1	Solid

  
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**Detections Summary**

Client: Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Work Order: 17-07-1438  
Project Name: 392847  
Received: 07/21/17

Attn: Ranjit Clarke

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**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>
S69 EXC South Wall (392847-002) (17-07-1438-1)						
Arsenic	3.03		1.00	mg/kg	EPA 6020	EPA 3050B
S69 EXC Bottom (392847-003) (17-07-1438-2)						
Arsenic	1.30		1.00	mg/kg	EPA 6020	EPA 3050B

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

  
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\* MDL is shown



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## Analytical Report

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/21/17  
Work Order: 17-07-1438  
Preparation: EPA 3050B  
Method: EPA 6020  
Units: mg/kg

Project: 392847

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>S69 EXC South Wall (392847-002)</b>	<b>17-07-1438-1-A</b>	<b>07/21/17 11:45</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/21/17</b>	<b>07/24/17 10:32</b>	<b>170721L01</b>

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	3.03	1.00	0.389	1.00	

<b>S69 EXC Bottom (392847-003)</b>	<b>17-07-1438-2-A</b>	<b>07/21/17 11:55</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/21/17</b>	<b>07/24/17 10:35</b>	<b>170721L01</b>
------------------------------------	-----------------------	-----------------------	--------------	------------------	-----------------	-----------------------	------------------

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	1.30	1.00	0.389	1.00	

<b>Method Blank</b>	<b>099-15-621-1503</b>	<b>N/A</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/21/17</b>	<b>07/21/17 23:21</b>	<b>170721L01</b>
---------------------	------------------------	------------	--------------	------------------	-----------------	-----------------------	------------------

Comment(s): - Results were evaluated to the MDL (DL), concentrations  $\geq$  to the MDL (DL) but  $<$  RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	1.00	0.389	1.00	

Return to Contents

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



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## Quality Control - Spike/Spike Duplicate

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/21/17  
Work Order: 17-07-1438  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 392847

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
17-07-1232-1	Sample	Filter	ICP/MS 03	07/21/17	07/21/17 23:34	170721S01				
17-07-1232-1	Matrix Spike	Filter	ICP/MS 03	07/21/17	07/21/17 23:26	170721S01				
17-07-1232-1	Matrix Spike Duplicate	Filter	ICP/MS 03	07/21/17	07/21/17 23:29	170721S01				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	600.0	612.0	102	599.4	100	80-120	2	0-20	

  
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RPD: Relative Percent Difference. CL: Control Limits



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## Quality Control - PDS

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/21/17  
Work Order: 17-07-1438  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 392847

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
17-07-1232-1	Sample	Filter	ICP/MS 03	07/21/17 00:00	07/21/17 23:34	170721S01
17-07-1232-1	PDS	Filter	ICP/MS 03	07/21/17 00:00	07/21/17 23:31	170721S01
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	ND	600.0	571.3	95	75-125	

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RPD: Relative Percent Difference. CL: Control Limits



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## Quality Control - LCS

Enthalpy Analytical, Inc.  
931 W. Barkley Avenue  
Orange, CA 92868-1208

Date Received: 07/21/17  
Work Order: 17-07-1438  
Preparation: EPA 3050B  
Method: EPA 6020

Project: 392847

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
<b>099-15-621-1503</b>	<b>LCS</b>	<b>Solid</b>	<b>ICP/MS 03</b>	<b>07/21/17</b>	<b>07/24/17 10:30</b>	<b>170721L01</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	24.06	96	80-120	

  
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## Glossary of Terms and Qualifiers

Work Order: 17-07-1438

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.





# Enthalpy Analytical

Formerly Associated Labs

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Irvine, CA 92614

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MONTROSE  
ENVIRONMENTAL

## Subcontract Laboratory:

Eurofins CalScience - Sub  
7440 Lincoln Way  
Garden Grove, CA 92841

ATTN: Xuan Dang  
PO# 392847

Project: 392847 Due: 07/24/17

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com

CC: incomingreports@enthalpy.com

Require: ☒ EDD ☐ EDF ☐ EDT

Report To: ☒ MDL

# 17-07-1438

## Note:

Matrix	Sampled	Sample ID	Analysis	Comment
① Solid	07/21/17 11:45	S69 EXC South Wall (392847-002)	6020 Alab	Arsenic only
② Solid	07/21/17 11:55	S69 EXC Bottom (392847-003)	6020 Alab	Arsenic only

## Note:

24hr TAT

Arsenic only

## Relinquished By:

Date/Time

Date/Time

## Received By:

Date/Time

Date/Time

07/21/17 17:25

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# SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy Analytical

DATE: 07 / 21 / 2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 2.3 °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 courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 659

## CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 659

Sample(s) ☒ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A

Checked by: 659

## 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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			
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

☐ 125PBz<sub>nn</sub>a ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☐ 500AGJ ☐ 500AGJs

☐ 500PB ☐ 1AGB ☐ 1AGBna<sub>2</sub> ☐ 1AGBs ☐ 1PB ☐ 1PBna ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ☐ \_\_\_\_\_

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: 659

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, z<sub>nn</sub>a = Zn (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub> + NaOH

Reviewed by: 82



## Enthalpy Analytical, LLC

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Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 392946  
Report Date: 07/27/2017  
Date Received: 07/26/2017  
Client ID: 15581

Comments: Grant HS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
392946-001	S67EXC West Wall
392946-002	S67 EXC South Wall
392946-003	S68 EXC North Wall
392946-004	S68 EXC South Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/26/2017 10:50	<b>Site:</b>	
<b>Sample #:</b> <u>392946-001</u>	<b>Client Sample #:</b> S67EXC West Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180976	
<b>Lead</b>	<b>23.1</b>	1	0.32	0.5	mg/Kg	07/26/17	07/27/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/26/2017 11:00	<b>Site:</b>	
<b>Sample #:</b> <u>392946-002</u>	<b>Client Sample #:</b> S67 EXC South Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180976	
<b>Lead</b>	<b>93.6</b>	1	0.32	0.5	mg/Kg	07/26/17	07/27/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/26/2017 11:20	<b>Site:</b>	
<b>Sample #:</b> <u>392946-003</u>	<b>Client Sample #:</b> S68 EXC North Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180976	
<b>Lead</b>	<b>96.8</b>	1	0.32	0.5	mg/Kg	07/26/17	07/27/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/26/2017 11:30	<b>Site:</b>	
<b>Sample #:</b> <u>392946-004</u>	<b>Client Sample #:</b> S68 EXC South Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1180976	
<b>Lead</b>	<b>56.1</b>	1	0.32	0.5	mg/Kg	07/26/17	07/27/17	JN

QCBatchID: **QC1180976**

Analyst: kedy

Method: EPA 6010B

Matrix: Solid

Analyzed: 07/26/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1180976MB1</b>					
Antimony	ND	mg/Kg	0.37	3	
Arsenic	ND	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
<b>Copper</b>	<b>1.05</b>	mg/Kg	0.31	1	
<b>Lead</b>	<b>0.33 J</b>	mg/Kg	0.32	0.5	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Vanadium	ND	mg/Kg	0.37	0.5	
<b>Zinc</b>	<b>0.51 J</b>	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1180976LCS1											
Antimony	100		91.2		mg/Kg	91			80-120		
Arsenic	100		93.0		mg/Kg	93			80-120		
Barium	100		102		mg/Kg	102			80-120		
Beryllium	100		93.0		mg/Kg	93			80-120		
Cadmium	100		97.8		mg/Kg	98			80-120		
Chromium	100		97.2		mg/Kg	97			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		103		mg/Kg	103			80-120		
Lead	100		101		mg/Kg	101			80-120		
Molybdenum	100		98.5		mg/Kg	99			80-120		
Nickel	100		102		mg/Kg	102			80-120		
Selenium	100		90.4		mg/Kg	90			80-120		
Silver	100		91.3		mg/Kg	91			80-120		
Thallium	100		90.6		mg/Kg	91			80-120		
Vanadium	100		101		mg/Kg	101			80-120		
Zinc	100		101		mg/Kg	101			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1180976MS1, QC1180976MSD1												Source: 392946-001
Antimony	2.70	100	100	25.4	27.1	mg/Kg	23	24	6.5	75-125	20	M
Arsenic	9.89	100	100	94.2	94.8	mg/Kg	84	85	0.6	75-125	20	
Barium	113	100	100	194	192	mg/Kg	81	79	1.0	75-125	20	
Beryllium	ND	100	100	86.4	85.7	mg/Kg	86	86	0.8	75-125	20	
Cadmium	0.34	100	100	81.5	83.5	mg/Kg	81	83	2.4	75-125	20	
Chromium	23.9	100	100	106	109	mg/Kg	82	85	2.8	75-125	20	
Cobalt	11.3	100	100	93.1	95.5	mg/Kg	82	84	2.5	75-125	20	
Copper	21.8	100	100	109	115	mg/Kg	87	93	5.4	75-125	20	
Lead	23.1	100	100	108	109	mg/Kg	85	86	0.9	75-125	20	

<b>QCBatchID:</b> <u>QC1180976</u>	<b>Analyst:</b> kedy	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 07/26/2017	<b>Instrument:</b> AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1180976MS1, QC1180976MSD1											Source: 392946-001	
Molybdenum	0.38	100	100	82.8	84.4	mg/Kg	82	84	1.9	75-125	20	M
Nickel	12.6	100	100	99.6	102	mg/Kg	87	89	2.4	75-125	20	
Selenium	ND	100	100	83.5	83.9	mg/Kg	84	84	0.5	75-125	20	
Silver	ND	100	100	78.0	80.0	mg/Kg	78	80	2.5	75-125	20	
Thallium	ND	100	100	74.3	75.9	mg/Kg	74	76	2.1	75-125	20	
Vanadium	44.1	100	100	126	127	mg/Kg	82	83	0.8	75-125	20	
Zinc	94.5	100	100	176	178	mg/Kg	82	84	1.1	75-125	20	


# Data Qualifiers and Definitions

## Qualifiers

<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>D3</b>	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>P3</b>	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.				Chain of Custody Record				Turn Around Time (Rush by advanced notice only)									
931 W. Barkley Ave, Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933				Lab No: 392946				Standard: 4 Day: 3 Day:									
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				Page: of				2 Day: 1 Day: Same Day:									
				<b>Matrix:</b> A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				<b>Preservatives:</b> 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other									
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments					
Company:	CES Group			Name:													
Report To:	SKYE GREEN			Number:													
Email:	Sgreen@cesgroup.co			P.O. #:													
Address:	33353 Temecula Parkway Suite 104			Address:													
	33333 Temecula CA 92592			Global ID:													
Phone:	714-398-6363			Sampled By:	Enox Hernandez												
Fax:	951-848-9812			Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.								
1	567 Exc West wall	07-26-17	10:50	S	2	X											
2	567 Exc South wall	07-26-17	11:00	L	↓	↓											
3	568 Exc North wall	07-26-17	11:20	↓	↓	↓											
4	568 Exc South wall	07-26-17	11:30	↓	↓	↓											
5																	
6																	
7																	
8																	
9																	
10																	
Signature				Print Name				Company / Title				Date / Time					
1 Relinquished By: Enox Hernandez				Enox Hernandez				CES				07-26-17 13:20					
1 Received By: Enox Hernandez				Enox Hernandez				Enox Hernandez				07-26-17 13:20					
2 Relinquished By:																	
2 Received By:																	
3 Relinquished By:																	
3 Received By:																	





## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES

Project: \_\_\_\_\_

Date Received: 07/26/17

Sampler's Name Present: ☒ Yes ☐ No

Sample(s) received in a cooler? ☐ Yes, How many? \_\_\_\_\_ ☒ No (skip section 2) Sample Temp (°C): 26.7

Sample Temp (°C) from each cooler: #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

*(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)*

Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? Recommended for Microbiology samples)		✓	
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		


### Section 4 Explanations/Comments

### Section 5

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: \_\_\_\_\_ Date/Time: \_\_\_\_\_

☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response:



Completed By: \_\_\_\_\_ Date: 7/26/17



## Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868  
Tel: (714)771-6900 Fax: (714)538-1209  
www.enthalpy.com  
info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 393075  
Report Date: 08/02/2017  
Date Received: 08/01/2017  
Client ID: 15581

Comments: Grant HS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<b><u>Sample #</u></b>	<b><u>Client Sample ID</u></b>
393075-001	S67- A- Exc Bottom Grant HS
393075-002	S67- A- Exc South Wall
393075-003	S68- B- Exc North Wall
393075-004	S68- B- Exc Bottom

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/31/2017 12:50	<b>Site:</b>	
<b>Sample #:</b> <u>393075-001</u>	<b>Client Sample #:</b> S67- A- Exc Bottom Grant HS	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181142	
<b>Lead</b>	<b>133</b>	1	0.32	0.5	mg/Kg	08/01/17	08/02/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/31/2017 12:55	<b>Site:</b>	
<b>Sample #:</b> <u>393075-002</u>	<b>Client Sample #:</b> S67- A- Exc South Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181142	
<b>Lead</b>	<b>130</b>	1	0.32	0.5	mg/Kg	08/01/17	08/02/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/31/2017 13:05	<b>Site:</b>	
<b>Sample #:</b> <u>393075-003</u>	<b>Client Sample #:</b> S68- B- Exc North Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181142	
<b>Lead</b>	<b>260</b>	1	0.32	0.5	mg/Kg	08/01/17	08/02/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 07/31/2017 13:00	<b>Site:</b>	
<b>Sample #:</b> <u>393075-004</u>	<b>Client Sample #:</b> S68- B- Exc Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181142	
<b>Lead</b>	<b>77.4</b>	1	0.32	0.5	mg/Kg	08/01/17	08/02/17	JN

<b>QCBatchID:</b> <u>QC1181142</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 08/01/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units	MDL	RDL	Notes	
<b>QC1181142MB1</b>						
Lead	ND	mg/Kg	0.32	0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1181142LCS1											
Lead	100		103		mg/Kg	103			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1181142MS1, QC1181142MSD1											Source: 393075-001	
Lead	133	100	100	220	215	mg/Kg	87	82	2.3	75-125	20	

# Data Qualifiers and Definitions

## Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

<b>ENTHALPY ANALYTICAL, INC.</b>		<b>Chain of Custody Record</b>		<b>Turn Around Time (Rush by advanced notice only)</b>	
931 W. Barkley Ave, Orange, CA 92868		Lab No: <u>393075</u>		Standard:      4 Day:      3 Day:	
Phone: (714) 771-6900 Fax: (714) 771-9933		Page:      of      1		2 Day:      1 Day:      Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub>	
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other	
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water			
SW = Swab W = Water WP = Wipe O = Other					

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES Group			Name:											
Report To:	SKYE Green			Number:											
Email:	Sgscend@cesgroup.co			P.O. #:											
Address:	33533 tenevula Pkwy			Address:											
Phone:	714-398 6363			Global ID:											
Fax:	951 848 9812			Sampled By:											

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 567.A. EXC. bottom Grant #5	07/31/17	12:50	S	1	✓
2 567.A. EXC. South wall	07/31/17	12:55	↓	↓	✓
3 568.B. EXC. North wall	07/31/17	13:05	↓	↓	✓
4 568.B. EXC. bottom	07/31/17	13:00	↓	↓	✓
5					
6					
7					
8					
9					
10					

1 Relinquished By:	Signature	Print Name	Company / Title	Date / Time
1 Received By:	<i>Enox Hernandez</i>	Enox Hernandez	EA/SCGL	8/1/17 11:51
2 Relinquished By:	<i>Enox Hernandez</i>	Enox Hernandez	EA/SCGL	8/1/17 11:51
2 Received By:				
3 Relinquished By:				
3 Received By:				



## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES Group

Project: \_\_\_\_\_

Date Received: 8/1/17

Sampler's Name Present: ☐ Yes ☒ No

Sample(s) received in a cooler? ☐ Yes, How many? \_\_\_\_\_ ☒ No (skip section 2) Sample Temp (°C): 19.7

Sample Temp (°C) from each cooler: #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? Recommended for Microbiology samples)		✓	
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

### Section 4 Explanations/Comments

### Section 5

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response:

Completed By: \_\_\_\_\_ Date: \_\_\_\_\_



## Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868

Tel: (714)771-6900 Fax: (714)538-1209

www.enthalpy.com

info-sc@enthalpy.com



Client: CES Group, Inc.  
Address: 33353 Temecula Pkwy.  
Suite 104 #333  
Temecula, CA 92592  
Attn: Skye Green

Lab Request: 393231  
Report Date: 08/07/2017  
Date Received: 08/04/2017  
Client ID: 15581

Comments: Grant HS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
393231-001	574 EXC North Wall
393231-002	574 EXC Bottom
393231-003	572 EXC North Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 08/04/2017 10:00	<b>Site:</b>	
<b>Sample #:</b> <u>393231-001</u>	<b>Client Sample #:</b> 574 EXC North Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181288	
<b>Lead</b>	<b>47.6</b>	1	0.32	0.5	mg/Kg	08/04/17	08/07/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 08/04/2017 10:05	<b>Site:</b>	
<b>Sample #:</b> <u>393231-002</u>	<b>Client Sample #:</b> 574 EXC Bottom	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181288	
<b>Lead</b>	<b>5.10</b>	1	0.32	0.5	mg/Kg	08/04/17	08/07/17	JN

<b>Matrix:</b> Solid	<b>Client:</b> CES Group, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 08/04/2017 10:15	<b>Site:</b>	
<b>Sample #:</b> <u>393231-003</u>	<b>Client Sample #:</b> 572 EXC North Wall	<b>Sample Type:</b>

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B						QCBatchID: QC1181288	
<b>Lead</b>	<b>70.4</b>	1	0.32	0.5	mg/Kg	08/04/17	08/07/17	JN

QCBatchID: **QC1181288**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 08/04/2017

Instrument: AAICP (group)

**Blank Summary**

Analyte	Blank Result	Units	MDL	RDL	Notes
<b>QC1181288MB1</b>					
Aluminum	ND	mg/Kg	0.53	5	
Antimony	ND	mg/Kg	0.37	3	
<b>Arsenic</b>	<b>0.54 J</b>	mg/Kg	0.36	1	
Barium	ND	mg/Kg	0.23	1	
Beryllium	ND	mg/Kg	0.17	0.5	
Cadmium	ND	mg/Kg	0.21	0.5	
Chromium	ND	mg/Kg	0.13	1	
Cobalt	ND	mg/Kg	0.19	0.5	
Copper	ND	mg/Kg	0.31	1	
<b>Lead</b>	<b>0.48 J</b>	mg/Kg	0.32	0.5	
Manganese	ND	mg/Kg	0.14	1	
Molybdenum	ND	mg/Kg	0.13	1	
Nickel	ND	mg/Kg	0.2	1.5	
Selenium	ND	mg/Kg	0.72	1	
Silver	ND	mg/Kg	0.13	0.5	
Thallium	ND	mg/Kg	0.42	1	
Titanium	ND	mg/Kg	0.26	1	
Vanadium	ND	mg/Kg	0.37	0.5	
Zinc	ND	mg/Kg	0.28	5	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1181288LCS1											
Antimony	100		94.2		mg/Kg	94			80-120		
Arsenic	100		94.0		mg/Kg	94			80-120		
Barium	100		102		mg/Kg	102			80-120		
Beryllium	100		99.1		mg/Kg	99			80-120		
Cadmium	100		95.2		mg/Kg	95			80-120		
Chromium	100		95.1		mg/Kg	95			80-120		
Cobalt	100		98.9		mg/Kg	99			80-120		
Copper	100		105		mg/Kg	105			80-120		
Lead	100		96.6		mg/Kg	97			80-120		
Molybdenum	100		98.2		mg/Kg	98			80-120		
Nickel	100		102		mg/Kg	102			80-120		
Selenium	100		92.4		mg/Kg	92			80-120		
Silver	100		90.2		mg/Kg	90			80-120		
Thallium	100		94.7		mg/Kg	95			80-120		
Vanadium	100		102		mg/Kg	102			80-120		
Zinc	100		96.3		mg/Kg	96			80-120		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1181288MS1, QC1181288MSD1												
Source: 393227-001												
Antimony	ND	100	100	79.6	78.4	mg/Kg	80	78	1.5	75-125	20	
Arsenic	2.46	100	100	98.5	104	mg/Kg	96	102	5.4	75-125	20	
Barium	9.40	100	100	112	116	mg/Kg	103	107	3.5	75-125	20	
Beryllium	ND	100	100	104	104	mg/Kg	104	104	0.0	75-125	20	
Cadmium	ND	100	100	90.3	94.9	mg/Kg	90	95	5.0	75-125	20	
Chromium	3.67	100	100	96.4	101	mg/Kg	93	97	4.7	75-125	20	

QCBatchID: **QC1181288**

Analyst: dswafford

Method: EPA 6010B

Matrix: Solid

Analyzed: 08/04/2017

Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	MS	MSD	MS	MSD	MS		MSD	%Rec		RPD		
QC1181288MS1, QC1181288MSD1											Source: 393227-001	
Cobalt	1.38	100	100	94.9	100	mg/Kg	94	99	5.2	75-125	20	
Copper	2.79	100	100	105	109	mg/Kg	102	106	3.7	75-125	20	
Lead	5.16	100	100	99.8	104	mg/Kg	95	99	4.1	75-125	20	
Molybdenum	0.91	100	100	95.9	102	mg/Kg	95	101	6.2	75-125	20	
Nickel	4.27	100	100	104	110	mg/Kg	100	106	5.6	75-125	20	
Selenium	0.84	100	100	95.5	99.9	mg/Kg	95	99	4.5	75-125	20	
Silver	ND	100	100	88.6	92.4	mg/Kg	89	92	4.2	75-125	20	
Thallium	1.25	100	100	91.2	96.9	mg/Kg	90	96	6.1	75-125	20	
Vanadium	6.14	100	100	107	112	mg/Kg	101	106	4.6	75-125	20	
Zinc	10.8	100	100	103	109	mg/Kg	92	98	5.7	75-125	20	


# Data Qualifiers and Definitions

## Qualifiers

<b>A</b>	See Report Comments.
<b>B</b>	Analyte was present in an associated method blank.
<b>B1</b>	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
<b>BQ1</b>	No valid test replicates. Sample Toxicity is possible. Best result was reported.
<b>BQ2</b>	No valid test replicates.
<b>BQ3</b>	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
<b>C</b>	Possible laboratory contamination.
<b>D</b>	RPD was not within control limits. The sample data was reported without further clarification.
<b>D1</b>	Lesser amount of sample was used due to insufficient amount of sample supplied.
<b>D2</b>	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
<b>D3</b>	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
<b>DW</b>	Sample result is calculated on a dry weigh basis.
<b>E</b>	Concentration is estimated because it exceeds the quantification limits of the method.
<b>I</b>	The sample was read outside of the method required incubation period.
<b>J</b>	Reported value is estimated
<b>L</b>	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
<b>M</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
<b>M1</b>	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
<b>M2</b>	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
<b>N1</b>	Sample chromatography does not match the specified TPH standard pattern.
<b>NC</b>	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
<b>P</b>	Sample was received without proper preservation according to EPA guidelines.
<b>P1</b>	Temperature of sample storage refrigerator was out of acceptance limits.
<b>P2</b>	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
<b>P3</b>	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
<b>Q1</b>	Analyte Calibration Verification exceeds criteria. The result is estimated.
<b>Q2</b>	Analyte calibration was not verified and the result was estimated.
<b>Q3</b>	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
<b>S</b>	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
<b>S1</b>	The associated surrogate recovery was out of control limits; result is estimated.
<b>S2</b>	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
<b>S3</b>	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
<b>T</b>	Sample was extracted/analyzed past the holding time.
<b>T1</b>	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
<b>T2</b>	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
<b>T3</b>	Sample received and analyzed out of hold time per client's request.
<b>T4</b>	Sample was analyzed out of hold time per client's request.
<b>T5</b>	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
<b>T6</b>	Hold time is indeterminable due to unspecified sampling time.
<b>T7</b>	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

<b>DF</b>	Dilution Factor
<b>MDL</b>	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
<b>ND</b>	Analyte was not detected or was less than the detection limit.
<b>NR</b>	Not Reported. See Report Comments.
<b>RDL</b>	Reporting Detection Limit
<b>TIC</b>	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.				Chain of Custody Record				Turn Around Time (Rush by advanced notice only)							
931 W. Barkley Ave, Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 771-9933				Lab No: 393231				Standard: 4 Day: 3 Day:							
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614				Page: of				2 Day: 1 Day: Same Day:							
				Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other							
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	CES GROUP	Name:													
Report To:	SKYE GREEN	Number:													
Email:	Sgreen@cesgroup.co	P.O. #:													
Address:	3333 Temecula Parkway Suite 104	Address:													
	#3333 Temecula CA 92592														
Phone:	714-398-6363	Global ID:													
Fax:	951-848-9812	Sampled By:	Erin Hernandez												
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.										
1 574 EXC NORTH WALL	08-04-17	10:00	S	1											
2 574 EXC BOTTOM	08-04-17	10:05	S	1											
3 572 EXC NORTH WALL	08-04-17	10:15	S	1											
4															
5															
6															
7															
8															
9															
10															
Signature			Print Name			Company / Title			Date / Time						
Erin Hernandez			Erin Hernandez			CES			08-04-17 11:30						
Received By:			C. Hernandez			EA			8/4/17 11:30						
Relinquished By:															
Received By:															
Relinquished By:															
Received By:															
Relinquished By:															
Received By:															



## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: CES

Project: \_\_\_\_\_

Date Received: 08/04/17

Sampler's Name Present: ☒ Yes ☐ No

Sample(s) received in a cooler? ☐ Yes, How many? \_\_\_\_\_ ☒ No (skip section 2) Sample Temp (°C): 30.0

Sample Temp (°C) from each cooler: #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

*(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)*

Shipping Information: \_\_\_\_\_

### Section 2

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_

Cooler Temp (°C): #1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 3

	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? Recommended for Microbiology samples)		✓	
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

### Section 4 Explanations/Comments

### Section 5

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: \_\_\_\_\_ Date/Time: \_\_\_\_\_

☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response:

Completed By: [Signature] Date: 8/4/17

## Ranjit Clarke

---

**From:** Skye Green  
**Sent:** Friday, August 04, 2017 3:40 PM  
**To:** 'Ranjit Clarke'  
**Subject:** RE: Samples collected on 08/04/17 - Grant HS???

Yes, those are for Grant HS. Thanks.

*Skye Green, P.E.*

CES Group, Inc.  
CES/Novacom/ERG  
951-808-8585 office  
714-398-6363 mobile  
951-848-9812 fax  
[sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
[www.cesgroup.co](http://www.cesgroup.co)



---

**From:** Ranjit Clarke [mailto:[ranjit.clarke@enthalpy.com](mailto:ranjit.clarke@enthalpy.com)]  
**Sent:** Friday, August 4, 2017 2:03 PM  
**To:** [sgreen@cesgroup.co](mailto:sgreen@cesgroup.co)  
**Subject:** Samples collected on 08/04/17 - Grant HS???  
**Importance:** High

Skye,

See attached. Is this from Grant HS or another site? Please confirm.

Thanks,

Ranjit

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.



Ranjit Clarke  
Senior Project Manager  
Enthalpy Analytical  
931 W. Barkley Ave., Orange, CA 92868  
O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209  
[Ranjit.Clarke@enthalpy.com](mailto:Ranjit.Clarke@enthalpy.com)

## **Appendix B**



**Soil Safe of California, Inc.**

12328 Hibiscus Ave. Adelanto, CA 92301

**ADE 131889****WEIGHMASTER CERTIFICATE**

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

**Manifest Number:** A4-7053 Load #: 1

4/11/2017

**Generator Site Information:**

ULYSSES GRANT SENIOR HIGH SCHOOL

13000 OXNARD STREET

LOS ANGELES, CA 91335

**Weighmaster Weighed at:**

SOIL SAFE OF CALIFORNIA, INC..

12328 HIBISCUS AVE

ADELANTO, CA 92301

			<u>Lbs</u>	<u>Tons</u>
J Provansal	<b>Time In:</b> 8:41:17 AM	<b>Gross Weight:</b>	31980	15.99 Manual Wt
J Provansal	<b>Time out:</b> 8:41:19 AM	<b>Tare Weight:</b>	30800	15.40 Manual Wt
		<b>Net Weight:</b>	1180	0.59

**Truck Number:** 541**Trailer Number:** 214**Commodity:** Non Haz - Solids**Driver on Gross and Tare Transporter:** AIS - BUDDY



# Manifest

## SOIL SAFE OF CA - TPST

Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment: <b>Transporter</b>	Transport Truck #:	Facility #: <b>A07</b>	Approval Number: <b>47053</b>	Load #: <b>901</b>
-------------------	------------------------------------------------	--------------------	---------------------------	----------------------------------	-----------------------

Generator's Name and Billing Address: <b>Los Angeles Unified School District 333 South Broadway Ave., 28th Floor Los Angeles, CA 90017</b>	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): (name & address) <b>Ulysses Grant Senior High School 13000 Oxnard Street Los Angeles, CA 91335</b>	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) <b>Soil Safe 12326 Hibiscus Rd. Adelanto, CA 92301-1700</b>	Facility Phone #: <b>(800) 832-8001</b>	
	Person to Contact: <b>Joe Provansal</b>	
	FAX#: <b>(760) 248-8004</b>	

Transporter Name and Mailing Address: <b>American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90809-2316</b>	Transporter's Phone #: <b>(310) 522-1169</b>	<b>CAR000146338</b>
	Person to Contact: <b>Jennifer Sherman</b>	
	FAX#: <b>(310) 522-0474</b>	Customer Account Number <b>7704908</b>

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	<b>2</b>		<b>31980</b>	<b>30800</b>	<b>1180</b>
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					<b>.59</b>

List any exception to items listed above: <b>AIS Project # 37009-16-3</b>	Scale Ticket # <b>131889</b>
------------------------------------------------------------------------------	---------------------------------

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: <b>Anderson Medeiros to WASH</b>	Signature and date: <b>Anderson Medeiros</b>	Month: <b>4</b> Day: <b>10</b> Year: <b>17</b>
------------------------------------------------------	----------------------------------------------	------------------------------------------------

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: <b>Eddie Lino</b>	Signature and date: <b>Eddie Lino</b>	Month: <b>4</b> Day: <b>10</b> Year: <b>17</b>
---------------------------------------	---------------------------------------	------------------------------------------------

Discrepancies:	
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Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:	
Print or Type Name: <b>J. Provansal</b>	Signature and date: <b>11-11-17</b>

Please print or type.	
-----------------------	--

TRANSPORTER COPY



GENERATOR	<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>888-423-8080</b>	4. Waste Tracking Number <b>032017015</b>		
	5. Generator's Name and Mailing Address <b>Los Angeles Unified School District 333 South Broadway Ave., Suite 28th Floor Los Angeles CA 90017</b>				Generator's Site Address (if different than mailing address) <b>Ulysses Grant Senior High School 13000 Oxnard Street Los Angeles CA 91335</b>			
	Generator's Phone: <b>213 241-1000</b>							
	6. Transporter 1 Company Name <b>American Integrated Services Inc.</b>				U.S. EPA ID Number <b>CAR000148338</b>			
	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 Liquid</b>		<b>1</b>	<b>DM 55</b>	<b>6</b>		
	2.							
	3.							
	4.							
TRANSPORTER	13. Special Handling Instructions and Additional Information <b>Wear proper PPE while handling. Weights or volumes are approximate. Job# 37009-16-3 Profile# 27578</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/Offoror's Printed/Typed Name <b>Andres Medrano For CAUSD</b>				Signature <i>[Signature]</i>		Month Day Year <b>4 10 17</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.:					
	16. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name <b>EDDIE LINO</b>				Signature <i>[Signature]</i>		Month Day Year <b>4 10 17</b>	
	Transporter 2 Printed/Typed Name				Signature		Month Day Year	
	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							
	DESIGNATED FACILITY	17b. Alternate Facility (or Generator)				Manifest Reference Number: U.S. EPA ID Number		
Facility's Phone:								
17c. Signature of Alternate Facility (or Generator)				Month Day Year				
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>H135</b>				Signature <i>[Signature]</i>		Month Day Year <b>4 11 17</b>		

<b>NONHAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address LOS ANGELES UNIFIED SCHOOL DISTRICT 333 SOUTH BEAUDRY AVE, 21ST FLOOR (213) 241-3435 LOS ANGELES, CA 90015		Generator's Site Address (if different than mailing address) OLYMPUS GRANT SENIOR HIGH SCHOOL 13000 CANTERBURY STREET, LOS ANGELES, CA 91333			
6. Transporter 1 Company Name RUST AND SORE		U.S. EPA ID Number			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address SOUTH YUMA COUNTY LANDFILL 19536 S. AVENUE 1 YUMA, AZ 85365 Facility's Phone: (928) 520-7429		U.S. EPA ID Number			
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit WL/VOL
1. LEAD IMPACTED SOIL (SOLID)		No.	Type		
13. Special Handling Instructions and Additional Information WEAR PROPER PPE. APPROVAL # C-4541					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name Brenda Rodriguez FOR LAUSD		Signature Brenda Rodriguez		Month	Day Year
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Part of entry/exit:		Date leaving U.S.:	
16. Transporter Acknowledgment of Receipt of Materials		Signature		Month	Day Year
Transporter 1 Printed/Typed Name Brenda Rodriguez		Signature		Month	Day Year
Transporter 2 Printed/Typed Name		Signature		Month	Day Year
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					
17b. Alternate Facility (or Generator)					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name Diana Alvarez		Signature Diana Alvarez		Month	Day Year



## SOUTH YUMA COUNTY LANDFILL

PO BOX 125; Staton, CA 90680-0125

928-341-9300

ACCOUNT#: EXCELL

## TRANSACTION INFORMATION

EXCELL EXCAVATING INC.

TICKET# : 1206203

P.O. BOX 6167

DATE IN : 8/10/2017 TIME IN : 09:10 AM

DATE OUT: 8/10/2017 TIME OUT: 09:10 AM

LAGUNA NIGUEL, CA92607

JOB #: C-4541

HAULER: RUST &amp; SONS

TRUCK # : 06

TRUCK LICENSE #:

CONTAINER #:

PLEASE NOTE: Account Customers Only: A State of Arizona per ton landfill fee of \$0.25 will be added to your Inv.

REFUSE

WEIGHT IN

WEIGHT OUT


NET WEIGHT

NON -HAZ SOIL

69320 LBS

31580 LBS

18.87 TONS

  
CUSTOMER SIGNATURE  
WEIGHMASTER/DEPUTY

## PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE

THIS IS TO CERTIFY that the above described merchandise, was weighed, counted, or measured by the public or deputy weighmaster, and when properly signed, and sealed, shall be prima facie evidence of the accuracy of the weight shown as

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page: of 1	3. Emergency Response Phone	4. Waste Tracking Number 02
5. Generator's Name and Mailing Address LOS ANGELES UNIFIED SCHOOL DISTRICT 332 SOUTH BEAUBRY AVE, 21ST FLOOR LOS ANGELES, CA 90017 Generator's Phone: 213-3482		Generator's Site Address (if different than mailing address) ULYSSES GRANT SENIOR HIGH SCHOOL 13000 OXNARD STREET, LOS ANGELES, CA 91325			
6. Transporter 1 Company Name RUST AND SONS TRUCKING INC.		U.S. EPA ID Number			
7. Transporter 2 Company Name Excel Excavating International		U.S. EPA ID Number			
8. Designated Facility Name and Site Address SOUTH YUMA COUNTY LANDFILL 1556 E. AVENUE 1 E #15 YUMA, AZ 85365 Facility's Phone: (619) 560-4429		U.S. EPA ID Number			
9. Waste Shipping Name and Description LEAD IMPACTED SOIL		10. Containers No. Type 1 END DUMP		11. Total Quantity 27	12. Unit Vol./Vol. TONS
13. Special Handling Instructions and Additional Information WEAR PROPER PPE.		APPROVAL # C-4541			
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name Andres Rodriguez		Signature Andres Rodriguez		Month Day Year 08 09 17	
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.:			
16. Transporter Acknowledgment of Receipt of Materials		Transporter Signature (for exports only):			
Transporter 1 Printed/Typed Name Brandon Teapleton		Signature Brandon Teapleton		Month Day Year 08 09 17	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
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					
17b. Alternate Facility (or Generator)		Manifest Reference Number: U.S. EPA ID Number			
Facility's Phone:		Month Day Year			
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name Duliana Alvarez		Signature Duliana Alvarez		Month Day Year 08 14 17	

**SOUTH YUMA COUNTY LANDFILL**

PO BOX 125; Staton, CA 90680-0125

928-341-9300

ACCOUNT#: EXCELL

**TRANSACTION INFORMATION**

EXCELL EXCAVATING INC.

TICKET# : 1206169

P.O. BOX 6167

DATE IN : 8/9/2017 TIME IN : 04:40 PM

DATE OUT: 8/9/2017 TIME OUT: 04:50 PM

LAGUNA NIGUEL, CA92607

JOB #: C-4541

HAULER: EXCELL EXCAVATING INC.

TRUCK # :

TRUCK LICENSE #:

CONTAINER #:

PLEASE NOTE: Account Customers Only: A State of Arizona per ton landfill fee of \$0.25 will be added to your Inv.

REFUSE	WEIGHT IN	WEIGHT OUT	NET WEIGHT
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NON -HAZ SOIL	20120 LBS	12720 LBS	3.70 TONS
---------------	-----------	-----------	-----------

  
CUSTOMER SIGNATURE

  
WEIGHMASTER/DEPUTY

**PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE**

THIS IS TO CERTIFY that the above described merchandise, was weighed, counted, or measured by the public or deputy weighmaster, and when properly signed, and sealed shall be prima facie evidence of the accuracy of the weight shown as